

**Table 3 - price information to be published as referred to in Article 4 point (a)**

Size range 1: greater than EUR 0 and less than or equal to the Standard Market Size or the Size Specific to the financial instrument;

Size range 2: greater than the Standard Market Size or the Size Specific to the financial instrument and less than or equal to Large in Scale;

Size range 3: greater than Large in Scale.

Date	Financial Instrument Name	Time (T)	Size Range	All trades executed within first two minutes after time T		First transaction after time T (if no transactions within first two minutes after time T)						
				Simple average executed price (excluding commissions and accrued interest)	Total value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading platform	Best bid and offer or suitable reference price at time of execution
7/1/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/1/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	#BP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



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7/1/2019	#BTA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	#CAT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	#CHL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	#CSCO	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	#CSCO	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	#CSCO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	#DD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	#DD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	#FB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	#FDX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	#FSLR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	#FSLR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	#GE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	#GE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	#GEN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	#GEN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	#GEN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	#GEN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	#GILD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	#GILD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	#GILD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	AUDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDNZD	1:30:00 PM	1			1.04965	13:49:08	0.0104965	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDUSD	9:30:00 AM	1			0.70151	10:29:59	0.0350755	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDUSD	1:30:00 PM	1			0.70024	13:47:37	0.70024	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDUSD.fx	11:30:00 AM	1			0.70001	12:31:01	0.0140002	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADJPY	11:30:00 AM	1			82.637	11:51:08	24.7911	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/1/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFJPY.fx	9:30:00 AM	1			110.123	11:23:19	2.20246	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFJPY.fx	11:30:00 AM	1			110.123	11:36:26	2.20246	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURGBP	9:30:00 AM	1			0.89549	11:26:00	0.0089549	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURGBP	1:30:00 PM	1			0.89576	13:33:31	0.089576	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURGBP	3:30:00 PM	1	0.896305	17.9261		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURGBP.fx	11:30:00 AM	1			0.8965	12:02:57	0.01793	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURGBP.fx	1:30:00 PM	1			115.967	13:44:58	2.31934	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURJPY	9:30:00 AM	1			122.9	9:47:37	1.229	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURJPY	11:30:00 AM	1			1.10454	11:34:30	0.0110454	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURJPY	1:30:00 PM	1			106.012	14:08:10	1.06012	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/1/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURUSD	9:30:00 AM	1			1.13185	10:04:12	0.0113185	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURUSD	11:30:00 AM	1			1.1326	11:49:00	0.011326	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURUSD	1:30:00 PM	1			1.13145	13:42:11	0.0113145	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURUSD.fx	11:30:00 AM	1			1.13243	12:40:52	0.0113243	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURUSD.fx	1:30:00 PM	1			1.13243	13:42:31	0.0113243	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPJPY	9:30:00 AM	1			137.459	10:02:07	137.459	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPJPY	11:30:00 AM	1			137.541	11:33:31	1.37541	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPNZD	9:30:00 AM	1			134.588	11:05:02	1.34588	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPUSD	9:30:00 AM	1			1.26959	9:57:34	0.0761754	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPUSD	11:30:00 AM	1			1.26414	11:59:24	1.26414	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPUSD	1:30:00 PM	1			1.26435	13:38:56	0.126435	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPUSD.fx	11:30:00 AM	1			1.21052	11:32:17	0.0242104	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/1/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GOLD	9:30:00 AM	1			1385.25	10:08:35	41.5575	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GOLD	1:30:00 PM	1			1389.79	14:06:21	13.8979	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDCAD.fx	1:30:00 PM	1			0.87791	14:12:50	0.0438955	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDUSD	9:30:00 AM	1			0.66938	10:27:06	0.033469	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDUSD	11:30:00 AM	1			0.89148	12:13:46	0.0267444	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDUSD	3:30:00 PM	1	0.68082	34041		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCAD	9:30:00 AM	1			1.30841	10:32:00	0.0654205	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCAD	11:30:00 AM	1			1.31005	11:38:48	0.0655025	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	USDCAD	1:30:00 PM	1			1.31539	13:49:20	0.0131539	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCHF	11:30:00 AM	1			121.478	11:32:37	1.21478	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/1/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/1/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDJPY	9:30:00 AM	1			107.6	10:13:09	1.076	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDJPY.fx	11:30:00 AM	1			108.222	12:16:33	2.16444	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDJPY.fx	1:30:00 PM	1			135.516	14:15:51	4.06548	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/1/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/1/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/1/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/2/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/2/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/2/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/2/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/2/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/2/2019	#WMT	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	#WMT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	#XOM	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	#XOM	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	#XOM	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	#XOM	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	#YHOO	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	#YHOO	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	#YHOO	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	#YHOO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	#ZNGA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	#ZNGA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	#ZNGA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	#ZNGA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	AUDCAD	11:30:00 AM	1			0.9142	12:38:29	0.009142	Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/2/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/2/2019	AUDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	AUDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/2/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDJPY.fx	11:30:00 AM	1			75.611	12:26:09	1.51222	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDJPY.fx	1:30:00 PM	1			1.12193	15:29:54	1.1331493	Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/2/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/2/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/2/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/2/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/2/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/2/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/2/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/2/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/2/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/2/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/2/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADSEK	11:30:00 AM	1			7.115	12:49:46	22.26995	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFJPY	11:30:00 AM	1			75.648	12:08:36	0.75648	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURCAD	11:30:00 AM	1			1.48325	12:09:04	0.2224875	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURCHF	9:30:00 AM	1			1.11488	10:40:56	0.0111488	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURCHF.fx	11:30:00 AM	1			1.11562	12:24:35	0.055781	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURGBP	9:30:00 AM	1			1.217	10:19:01	0.01217	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURGBP	11:30:00 AM	1			0.8951	11:32:51	0.008951	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURGBP	1:30:00 PM	1			1.12031	14:00:31	0.0224062	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURJPY	11:30:00 AM	1			1.32071	12:49:28	0.0132071	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/2/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURJPY.fx	1:30:00 PM	1			122.326	15:03:09	1.22326	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURUSD	9:30:00 AM	1			1.1298	10:20:50	1.1298	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURUSD	11:30:00 AM	1			1.12962	11:59:18	0.056481	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURUSD	1:30:00 PM	1			1.13002	13:59:48	0.113002	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPCAD.fx	1:30:00 PM	1			1.79523	14:22:43	0.0179523	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPJPY.fx	9:30:00 AM	1			136.741	10:32:01	2.73482	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/2/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPUSD	9:30:00 AM	1			1.26204	10:22:28	0.063102	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPUSD	11:30:00 AM	1			1.2616	11:33:01	1.2616	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPUSD	1:30:00 PM	1			1.26231	13:34:04	0.126231	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPUSD.fx	9:30:00 AM	1			1.26349	10:02:23	0.0252698	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GOLD	11:30:00 AM	1			1390.09	13:14:31	13.9009	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDCAD.fx	9:30:00 AM	1			0.87791	10:31:24	0.0438955	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDCAD.fx	11:30:00 AM	1			0.87734	12:06:39	0.0087734	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDCZK	11:30:00 AM	1			0.89654	12:49:15	0.0089654	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDJPY.fx	9:30:00 AM	1			0.89662	10:31:32	0.0089662	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDJPY.fx	1:30:00 PM	1			106.685	14:35:16	1.06685	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCAD	9:30:00 AM	1			1.30625	9:48:32	0.0391875	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCAD	11:30:00 AM	1			1.31291	11:46:54	0.2100656	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCAD	1:30:00 PM	1			1.31291	13:36:57	0.2100656	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCAD.fx	9:30:00 AM	1			1.3111	10:33:04	0.026222	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCAD.fx	11:30:00 AM	1			1.3124	12:28:25	0.026248	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCAD.fx	1:30:00 PM	1			1.3111	15:13:52	0.026222	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCHF	11:30:00 AM	1			0.98782	12:01:01	0.098782	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/2/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDJPY	11:30:00 AM	1			108.34	12:33:03	5.417	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	USDJPY.fx	11:30:00 AM	1			108.223	11:32:45	1.08223	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/2/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/2/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AXP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/3/2019	AUDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/3/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADCHF.fx	11:30:00 AM	1			0.75199	11:47:10	0.0150398	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADCHF.fx	1:30:00 PM	1			0.75259	14:14:07	0.0150518	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADCHF.fx	3:30:00 PM	1	0.75261	1505.22		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/3/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURCHF	11:30:00 AM	1			1.1121	13:10:32	0.022242	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURGBP	9:30:00 AM	1			0.89786	9:41:22	0.0089786	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURGBP	11:30:00 AM	1			0.8977	11:34:53	0.17954	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURGBP	1:30:00 PM	1			0.89831	13:33:48	0.0089831	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURGBP.fx	9:30:00 AM	1			0.89618	10:01:57	0.0268854	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/3/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURJPY	9:30:00 AM	1			121.3	10:13:42	1.213	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURJPY	11:30:00 AM	1			121.478	11:32:37	1.21478	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURUSD	9:30:00 AM	1			1.12707	10:14:01	0.0225414	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURUSD	11:30:00 AM	1			1.12858	11:48:12	0.056429	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURUSD	1:30:00 PM	1			1.12858	13:39:00	0.0112858	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURUSD.fx	11:30:00 AM	1			129.562	13:17:46	247.46342	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPCAD	9:30:00 AM	1			1.64956	10:46:37	0.0164956	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPJPY	9:30:00 AM	1			135.204	9:36:52	18.92856	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPJPY	1:30:00 PM	1			1513.73	14:17:21	30.2746	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/3/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPUSD	9:30:00 AM	1			1.25656	9:41:53	0.3895336	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPUSD	11:30:00 AM	1			1.25688	11:38:06	0.31422	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPUSD	1:30:00 PM	1			1.25901	13:32:16	0.125901	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPUSD.fx	9:30:00 AM	1			1.25719	11:08:34	0.0251438	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPUSD.fx	11:30:00 AM	1			1.25715	12:32:13	0.0125715	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPUSD.fx	1:30:00 PM	1			1.25659	14:14:11	0.0251318	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GOLD	9:30:00 AM	1			1425.61	10:04:13	14.2561	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GOLD	1:30:00 PM	1			55.42	14:49:41	1.1084	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCAD	9:30:00 AM	1			1.31151	10:30:04	0.0131151	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCAD	11:30:00 AM	1			1.31151	12:14:00	0.0131151	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCAD	1:30:00 PM	1			1.30949	15:17:01	0.392847	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCAD	3:30:00 PM	1	1.30878	32719.5		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCAD.fx	9:30:00 AM	1			1.31181	11:09:00	0.0262362	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/3/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDJPY	9:30:00 AM	1			108.206	10:01:32	10.8206	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDJPY	11:30:00 AM	1			128.201	11:38:16	128.201	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/3/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/3/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/3/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/3/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/3/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/3/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/4/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/4/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



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7/4/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/4/2019	AUDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDJPY	11:30:00 AM	1			75.648	12:08:36	0.75648	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDUSD	1:30:00 PM	1			0.70263	14:16:30	0.0351315	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADCHF.fx	9:30:00 AM	1			1.09965	10:31:23	2.1993	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADCHF.fx	11:30:00 AM	1			106.012	12:03:04	1.06012	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADCHF.fx	1:30:00 PM	1			0.75525	14:31:59	0.015105	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/4/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADDDK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADDDK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADDDK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADDDK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	CHFCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURAUD	9:30:00 AM	1			1.60446	10:31:49	0.160446	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURGBP	9:30:00 AM	1			0.9064	9:36:17	0.27192	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURGBP	11:30:00 AM	1			0.89746	12:50:54	0.0179492	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURGBP	1:30:00 PM	1			0.89765	14:32:43	0.017953	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURGBP.fx	9:30:00 AM	1			0.89711	10:55:37	0.0179422	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURGBP.fx	11:30:00 AM	1			0.89711	11:50:40	0.0179422	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURGBP.fx	1:30:00 PM	1			1.11993	13:54:10	0.0335979	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/4/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURUSD	11:30:00 AM	1			1.12816	12:10:35	0.225632	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURUSD	1:30:00 PM	1			1.12901	14:34:00	0.0112901	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPCAD	1:30:00 PM	1			1.64429	14:32:52	0.0822145	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPCHF	11:30:00 AM	1			1.24051	12:36:37	0.0124051	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPJPY	9:30:00 AM	1			0.89756	9:50:00	0.0179512	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPJPY	11:30:00 AM	1			135.516	12:16:14	4.06548	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPJPY	1:30:00 PM	1			135.567	14:08:30	1.35567	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/4/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPUSD	11:30:00 AM	1			1.21715	13:23:43	0.24343	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDCAD.fx	9:30:00 AM	1			0.87462	11:04:29	0.0174924	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDCAD.fx	11:30:00 AM	1			0.87462	11:50:34	0.0174924	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/4/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCAD	9:30:00 AM	1			1.30625	10:38:54	0.3788125	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCAD	11:30:00 AM	1			1.30795	11:53:47	0.0130795	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCAD	1:30:00 PM	1			1.30687	15:00:26	0.0130687	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCHF	11:30:00 AM	1			0.9754	13:23:54	0.009754	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCHF.fx	11:30:00 AM	1			0.98678	12:33:17	0.0197356	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDJPY	11:30:00 AM	1			107.171	13:24:02	1.07171	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/4/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/4/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/4/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/4/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/4/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/5/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#BHP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#BIDU	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#BIDU	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#Bitcoin	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#Bitcoin	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	#BK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#BP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#C	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#C	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#C	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#CAT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#VZ	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#VZ	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#WDC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	#WDC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#WDC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#WDC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#WFC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#WFC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#WFC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#WFC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#WMT	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#WMT	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#WMT	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#WMT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#XOM	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#XOM	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#XOM	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#XOM	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#YHOO	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	#YHOO	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#YHOO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#ZNGA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	#ZNGA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	#ZNGA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	AUDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	AUDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	AUDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/5/2019	AUDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/5/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/5/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADDKK	3:30:00 PM	1	5.078	1594492		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/5/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFHKD	3:30:00 PM	1	7.8763	1260208		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	CHFMXN	3:30:00 PM	1	19.2101	4975415.9		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFSEK	3:30:00 PM	1	9.4841	4817922.8		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/5/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURGBP.fx	11:30:00 AM	1			0.89679	11:44:06	0.0179358	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURGBP.fx	1:30:00 PM	1			0.89679	15:27:06	0.0179358	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	EURJPY	9:30:00 AM	1			121.64	10:43:40	97.312	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURJPY	1:30:00 PM	1			121.634	14:55:22	1.21634	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURUSD	9:30:00 AM	1			1.12708	9:45:39	0.0112708	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURUSD	11:30:00 AM	1			1.12646	11:40:54	1.12646	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURUSD	1:30:00 PM	1			1.12844	13:36:37	0.0112844	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	EURUSD	3:30:00 PM	1	1.125471429	138601.81		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURUSD.fx	1:30:00 PM	1			1529.69	15:23:38	15.2969	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURUSD.fx	3:30:00 PM	1	1.12658	2253.16		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPCAD.fx	3:30:00 PM	1	1.64128	19695.36		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPJPY	9:30:00 AM	1			135.663	9:58:11	1.35663	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPJPY	1:30:00 PM	1			135.766	13:59:18	1.35766	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPJPY	3:30:00 PM	1	135.846	135846		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/5/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPUSD	9:30:00 AM	1			1.10397	11:00:00	0.0331191	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPUSD	11:30:00 AM	1			1.25564	11:48:01	0.0125564	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPUSD	1:30:00 PM	1			1.25486	14:05:45	0.0125486	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPUSD	3:30:00 PM	1	1.2546	2509.2		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPUSD.fx	9:30:00 AM	1			1.25738	9:54:59	0.0251476	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPUSD.fx	1:30:00 PM	1			107.025	15:28:58	3.21075	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPUSD.fx	3:30:00 PM	1	1.25618	12561.8		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	GOLD	3:30:00 PM	1	1403.22	2806.44		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/5/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	SPX500.i	9:30:00 AM	1			2989.61	10:08:23	2989.61	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCAD	9:30:00 AM	1			1.30643	11:22:15	0.0130643	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCAD	1:30:00 PM	1			1.22815	13:48:30	0.0122815	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCAD	3:30:00 PM	1	1.30693	104554.4		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCHF	9:30:00 AM	1			107.739	10:53:35	1.07739	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCHF	1:30:00 PM	1			0.98822	14:00:25	0.0296466	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	USDCHF.fx	9:30:00 AM	1			0.98678	11:00:34	0.0197356	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCHF.fx	1:30:00 PM	1			106.652	13:36:13	1.06652	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDJPY	9:30:00 AM	1			107.812	10:33:22	5.3906	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	USDJPY	1:30:00 PM	1			1.10829	13:36:45	0.886632	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDJPY	3:30:00 PM	1	108.20075	432803		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDJPY.fx	9:30:00 AM	1			107.955	9:54:00	2.1591	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USD RUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USD RUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USD RUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USD RUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/5/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/5/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/6/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/6/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/6/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/6/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/6/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/6/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/6/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/6/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/6/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/6/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/6/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/6/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/7/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADDDK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADDDK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADDDK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADDDK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/7/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/7/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/7/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	GBPUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/7/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/7/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/7/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/7/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/7/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/8/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/8/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/8/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/8/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/8/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	#BAC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/8/2019	#C	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/8/2019	#DD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/8/2019	#ZNGA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	#ZNGA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	#ZNGA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	AUDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	AUDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDSEK	9:30:00 AM	1			6.5896	9:33:44	6.457808	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/8/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDUSD	9:30:00 AM	1			0.7037	10:21:19	0.014074	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDUSD	1:30:00 PM	1			0.91075	13:36:30	0.091075	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	CHF MXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF MXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF MXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF MXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF NOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF NOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF NOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF NOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF NOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF NOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF NOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF NOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF PLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF PLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF PLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF PLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF PLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF PLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF PLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF PLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHF SEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/8/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURGBP	1:30:00 PM	1	0.89561	895.61		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURJPY	9:30:00 AM	1			121.615	9:46:23	1.21615	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURJPY	1:30:00 PM	1			121.743	14:18:21	1.21743	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURNZD.fx	11:30:00 AM	1			1.10673	12:44:15	0.0553365	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	EURUSD	9:30:00 AM	1			1.12229	9:55:39	0.0112229	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURUSD	11:30:00 AM	1			1.12333	11:33:21	0.112333	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURUSD	1:30:00 PM	1			1.12203	13:33:06	0.0112203	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURUSD.fx	11:30:00 AM	1			1.12323	11:45:00	0.0224646	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPJPY	9:30:00 AM	1			135.621	9:55:27	108.4968	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/8/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPUSD	9:30:00 AM	1			1.25252	10:17:39	0.0876764	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPUSD	11:30:00 AM	1			1.25324	11:57:10	0.0250648	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPUSD	1:30:00 PM	1			1.25226	13:45:25	0.062613	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GOLD	9:30:00 AM	1			1497.19	10:11:11	14.9719	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDUSD	1:30:00 PM	1			0.66352	14:18:01	0.0066352	Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/8/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDUSD.fx	1:30:00 PM	1			0.66378	13:48:57	0.0066378	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCAD	9:30:00 AM	1			1.30661	11:08:16	0.0261322	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCAD	11:30:00 AM	1			1.08135	13:21:45	0.540675	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCAD	1:30:00 PM	1			1.30787	13:52:53	0.0130787	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCAD.fx	11:30:00 AM	1			1.30748	13:04:34	0.0261496	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCAD.fx	1:30:00 PM	1			1.24682	13:49:12	0.0124682	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCHF	9:30:00 AM	1			0.99169	9:40:46	0.0495845	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	USDCHE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCHE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCHE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCHE.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCHE.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCHE.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCHE.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDJPY	9:30:00 AM	1			108.532	9:40:17	1.08532	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDJPY	1:30:00 PM	1			108.557	14:18:07	2.17114	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/8/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/8/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/8/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/8/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/9/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	#AXP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#BAC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	#BHP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#BHP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	#TSLA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	#TWTR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	#UBS	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#UBS	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	#UL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	#UPS	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	#UTX	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#UTX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	#V	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	#VZ	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#VZ	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	#WDC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	#WDC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#WFC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	#WFC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	#WMT	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#WMT	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	#WMT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	#YHOO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	#ZNGA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	#ZNGA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	AUDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	AUDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/9/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	AUDNZD.fx	9:30:00 AM	1			1.05207	9:36:50	0.0210414	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/9/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDUSD	9:30:00 AM	1			0.7042	10:06:27	0.03521	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDUSD	11:30:00 AM	1			117.691	12:00:02	4.70764	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDUSD	1:30:00 PM	1			0.69373	14:38:44	0.554984	Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/9/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADCHF.fx	9:30:00 AM	1			0.75916	9:51:09	0.0151832	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADJPY	1:30:00 PM	1	82.882	82882		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADJPY.fx	9:30:00 AM	1			82.899	11:24:50	1.65798	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADJPY.fx	11:30:00 AM	1			1.1185	11:46:52	0.011185	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/9/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURCHF	9:30:00 AM	1			1.11362	10:26:06	0.055681	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURCHF	11:30:00 AM	1			1.11371	11:57:03	0.890968	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURGBP	9:30:00 AM	1			0.8979	9:41:00	0.017958	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURGBP	11:30:00 AM	1			0.89809	13:12:50	0.0089809	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURGBP	1:30:00 PM	1			1.61714	14:00:03	0.0646856	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURJPY	9:30:00 AM	1			121.981	10:12:07	2.43962	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURJPY	11:30:00 AM	1			0.69927	12:30:23	0.0139854	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURJPY	1:30:00 PM	1			108.941	14:51:37	2.17882	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURNZD	11:30:00 AM	1			1.6957	11:41:18	0.016957	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURUSD	9:30:00 AM	1			1.12091	9:38:34	0.0112091	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURUSD	11:30:00 AM	1			11647.99	11:42:32	34943.97	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURUSD	1:30:00 PM	1			1.11973	14:00:52	0.0559865	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPAUD	11:30:00 AM	1			1.79843	12:21:58	0.0179843	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPCAD.fx	9:30:00 AM	1			1.63822	11:13:20	0.0163822	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/9/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPJPY	9:30:00 AM	1			1.12134	11:05:34	0.0112134	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPJPY	11:30:00 AM	1			135.719	11:36:59	1.35719	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPJPY	1:30:00 PM	1			135.545	14:03:42	5.4218	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPNZD	11:30:00 AM	1			1.88742	11:44:28	0.0188742	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPUSD	9:30:00 AM	1			0.8886	11:07:10	0.008886	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPUSD	11:30:00 AM	1			1.24647	12:07:56	0.6356997	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPUSD	1:30:00 PM	1			1.24652	13:44:47	0.186978	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPUSD.fx	9:30:00 AM	1			1.24863	10:12:05	0.0249726	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	GBPUSD.fx	1:30:00 PM	1			1.24582	14:21:01	0.0249164	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GOLD	11:30:00 AM	1			1390.99	11:37:53	13.9099	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDCHF	11:30:00 AM	1			0.65667	12:10:23	0.0065667	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/9/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDUSD	9:30:00 AM	1			0.66155	10:12:11	0.066155	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDUSD	11:30:00 AM	1			0.66028	12:13:40	0.066028	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDUSD	1:30:00 PM	1			0.66129	14:55:17	0.0066129	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCAD	9:30:00 AM	1			1.31131	9:59:00	0.0393393	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	USDCAD	11:30:00 AM	1			1.31294	11:42:44	0.0393882	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCAD	1:30:00 PM	1			1.31294	13:38:11	0.0393882	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCAD	3:30:00 PM	1	1.31152	2623.04		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCAD.fx	1:30:00 PM	1			1.31186	13:56:30	0.0262372	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCHF	11:30:00 AM	1			0.63085	12:48:07	0.0315425	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDJPY.fx	1:30:00 PM	1			108.79	13:56:01	2.1758	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/9/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/9/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/10/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/10/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDUSD	3:30:00 PM	1	0.693475	4160.85		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDUSD.fx	1:30:00 PM	1			1.11821	13:44:19	0.0111821	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDUSD.fx	3:30:00 PM	1	0.693236	9705.304		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	BCHUSD	9:30:00 AM	1			415.23	9:32:57	8.3046	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	CADCHF.fx	11:30:00 AM	1			0.68312	11:36:16	0.068312	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFNOK	9:30:00 AM	1			8.7151	11:01:13	12.549744	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/10/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURCAD	1:30:00 PM	1			1.47235	14:35:07	0.0147235	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURGBP	9:30:00 AM	1			0.90042	9:47:00	0.0360168	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURGBP	11:30:00 AM	1			106.345	12:16:25	1.06345	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURJPY	9:30:00 AM	1			1.12193	11:10:49	0.0336579	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURJPY	11:30:00 AM	1			122.3	12:07:14	1.223	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURNZD	11:30:00 AM	1			1.69874	12:41:21	0.0169874	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURUSD	9:30:00 AM	1			1.12027	9:47:26	0.0112027	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURUSD	11:30:00 AM	1			1.12048	11:44:23	0.0112048	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURUSD	1:30:00 PM	1			209.34	14:02:37	2.0934	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURUSD	3:30:00 PM	1	1.123146667	668115.03		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	EURUSD.fx	11:30:00 AM	1			1.21077	12:50:46	0.0121077	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURUSD.fx	1:30:00 PM	1			1.1221	13:43:56	0.011221	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURUSD.fx	3:30:00 PM	1	1.123041667	16845.625		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPAUD	9:30:00 AM	1			1.79783	11:04:03	0.0179783	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPAUD	11:30:00 AM	1			1.80273	12:04:15	0.0180273	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPCHF	9:30:00 AM	1			1.23757	9:34:32	0.123757	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/10/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPJPY	9:30:00 AM	1			135.634	9:34:36	13.5634	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPJPY	11:30:00 AM	1			135.601	13:14:41	1.35601	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPUSD	9:30:00 AM	1			1.24666	9:45:02	0.186999	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPUSD	11:30:00 AM	1			1.24524	11:40:44	0.62262	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPUSD	1:30:00 PM	1			1.12084	13:36:35	0.0112084	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPUSD	3:30:00 PM	1	1.24744	14969.28		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPUSD.fx	9:30:00 AM	1			1.24673	11:28:56	0.0249346	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPUSD.fx	11:30:00 AM	1			0.99373	11:39:30	0.99373	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GOLD	9:30:00 AM	1			1390.73	10:03:31	13.9073	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GOLD	11:30:00 AM	1			1395.35	13:05:08	27.907	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	GOLD	1:30:00 PM	1			1396.03	14:42:44	27.9206	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDCAD	11:30:00 AM	1			0.86726	12:22:51	0.086726	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDJPY	11:30:00 AM	1			72	12:04:51	7.2	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/10/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDUSD	11:30:00 AM	1			0.6604	12:26:22	0.06604	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDUSD	1:30:00 PM	1			0.65987	13:45:42	0.0131974	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDUSD	3:30:00 PM	1	0.661096667	3966.58		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCAD	9:30:00 AM	1			1.31225	11:24:45	0.656125	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCAD	11:30:00 AM	1			1.31213	12:19:55	0.0262426	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCAD	1:30:00 PM	1			0.98838	14:06:10	0.0098838	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCAD	3:30:00 PM	1	1.31073	5242.92		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCAD.fx	1:30:00 PM	1			1.31244	13:44:40	0.0131244	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCAD.fx	3:30:00 PM	1	1.3109575	15731.49		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCHF	11:30:00 AM	1			0.69401	12:57:01	0.0069401	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCHF	1:30:00 PM	1			1.24452	15:09:00	0.0124452	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCHF	3:30:00 PM	1	0.991695	1983.39		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDJPY	9:30:00 AM	1			108.921	11:29:40	16.33815	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDJPY	11:30:00 AM	1			1.19971	11:50:45	0.0719826	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDJPY	1:30:00 PM	1			1.24343	15:08:55	0.124343	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDJPY	3:30:00 PM	1	108.8	108800		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/10/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDJPY.fx	1:30:00 PM	1			108.91	13:45:10	1.0891	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDJPY.fx	3:30:00 PM	1	108.8036	1523250.4		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/10/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/10/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/10/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/10/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/10/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/10/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/11/2019	#WMT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	#XOM	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	#XOM	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	#XOM	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	#XOM	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	#YHOO	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	#YHOO	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	#YHOO	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	#YHOO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	#ZNGA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	#ZNGA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	#ZNGA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	#ZNGA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDCAD	11:30:00 AM	1			0.91086	12:59:56	0.091086	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDCAD	1:30:00 PM	1			0.91086	15:19:10	0.091086	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/11/2019	AUDCAD.fx	11:30:00 AM	1			0.91	13:29:13	0.0182	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/11/2019	AUDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/11/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/11/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/11/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/11/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/11/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/11/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/11/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



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7/11/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/11/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/11/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/11/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/11/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDUSD	11:30:00 AM	1			0.91251	12:11:38	0.0456255	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDUSD	1:30:00 PM	1			0.69833	13:58:43	0.0069833	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDUSD.fx	11:30:00 AM	1			0.89486	12:11:39	0.044743	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDUSD.fx	1:30:00 PM	1			1.10803	14:56:12	0.110803	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDUSD.fx	3:30:00 PM	1	0.69794	1395.88		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	BCHUSD	1:30:00 PM	1			339.46	13:39:55	6.7892	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADCHF.fx	9:30:00 AM	1			121.981	10:12:07	2.43962	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/11/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/11/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFCZK	11:30:00 AM	1			118.35	12:05:03	3.5505	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/11/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURAUD	11:30:00 AM	1			1.61607	11:39:33	0.0161607	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURCHF	9:30:00 AM	1			1.11441	11:23:11	0.0111441	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURCHF	11:30:00 AM	1			1.11178	12:22:53	0.0111178	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURCHF	1:30:00 PM	1			1.11151	13:47:17	0.666906	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURCHF.fx	1:30:00 PM	1			1.11174	15:06:49	0.0111174	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURGBP	1:30:00 PM	1			106.372	13:49:00	5.3186	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURGBP.fx	9:30:00 AM	1			1.11263	10:41:52	0.0111263	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURGBP.fx	11:30:00 AM	1			0.89932	13:02:27	0.0179864	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURGBP.fx	1:30:00 PM	1			0.89866	13:48:24	0.0179732	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURJPY	11:30:00 AM	1			121.883	12:26:56	6.09415	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURJPY	1:30:00 PM	1			121.7	13:46:35	1.217	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURNZD.fx	9:30:00 AM	1			1.6925	11:10:09	0.03385	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURUSD	11:30:00 AM	1			1.12705	12:03:42	0.0338115	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURUSD	1:30:00 PM	1			0.91283	13:49:29	0.0091283	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURUSD	3:30:00 PM	1	1.12771	3383.13		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPAUD	9:30:00 AM	1			1.79698	11:20:34	0.179698	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPAUD	11:30:00 AM	1			129.208	12:17:11	2.58416	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPCAD	9:30:00 AM	1			1.63585	10:59:59	0.0163585	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/11/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	GBPJPY	9:30:00 AM	1			135.491	10:16:37	1.35491	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPJPY	11:30:00 AM	1			0.98962	13:02:03	0.098962	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPJPY	1:30:00 PM	1			135.796	13:48:31	1.35796	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPMXN	11:30:00 AM	1			23.9759	12:05:20	23.736141	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPMXN	1:30:00 PM	1			129.804	13:37:29	6.4902	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPMXN	3:30:00 PM	1	24.02736667	1585806.2		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPNZD	9:30:00 AM	1			1.87923	11:05:25	0.0187923	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPUSD	9:30:00 AM	1			1.25298	10:08:17	0.1002384	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPUSD	11:30:00 AM	1			1.25343	11:59:51	1.002744	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPUSD	1:30:00 PM	1			1.25072	13:35:55	0.0125072	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPUSD	3:30:00 PM	1	1.255926667	65308.187		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPUSD.fx	1:30:00 PM	1			1.25605	14:53:23	0.0125605	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GOLD	9:30:00 AM	1			1420.13	11:22:27	28.4026	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GOLD	11:30:00 AM	1			1423.43	11:42:50	28.4686	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	GOLD	3:30:00 PM	1	1418.165	5672.66		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDCHF	11:30:00 AM	1			0.65846	12:29:44	0.065846	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDJPY	1:30:00 PM	1			2854.27	14:33:01	2854.27	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDJPY.fx	11:30:00 AM	1			340.35	12:32:24	51.0525	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/11/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDUSD	1:30:00 PM	1			0.66661	15:03:35	0.0066661	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDUSD	3:30:00 PM	1	0.66663	1333.26		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCAD	11:30:00 AM	1			1.30511	11:40:02	0.0261022	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCAD	1:30:00 PM	1			1.30538	14:38:52	0.130538	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCAD	3:30:00 PM	1	1.30639	2612.78		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCAD.fx	11:30:00 AM	1			1.30545	12:13:00	0.026109	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCHF	11:30:00 AM	1	0.99134	29740.2		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCHF	1:30:00 PM	1			0.99148	13:44:34	0.099148	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCHF	3:30:00 PM	1	0.98607	78885.6		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCHF.fx	1:30:00 PM	1			0.9936	15:11:32	0.009936	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCHF.fx	3:30:00 PM	1	0.98512	1970.24		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDJPY	9:30:00 AM	1			0.9794	11:04:33	0.029382	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDJPY	11:30:00 AM	1			108.139	12:11:37	6.48834	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDJPY	1:30:00 PM	1			1.22767	15:11:43	0.0613835	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDJPY	3:30:00 PM	1	108.16425	432657		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/11/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/11/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/11/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AXP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/12/2019	#UPS	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/12/2019	#WDC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/12/2019	#WFC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	#WFC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/12/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/12/2019	AUDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/12/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/12/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	AUDUSD.fx	9:30:00 AM	1			134.155	10:10:41	67.0775	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	AUDUSD.fx	11:30:00 AM	1			0.7008	12:02:11	0.014016	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	CHFCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/12/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/12/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURCHF	1:30:00 PM	1			1.11191	14:22:03	0.889528	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURCHF.fx	1:30:00 PM	1			0.98521	15:15:01	0.0394084	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURGBP	11:30:00 AM	1			0.89846	11:38:40	0.089846	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURJPY	9:30:00 AM	1			122	11:10:23	1.22	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURUSD	9:30:00 AM	1			1.1268	9:36:32	0.011268	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURUSD	11:30:00 AM	1			1.12626	11:39:17	0.112626	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURUSD	3:30:00 PM	1	1.12704	5635.2		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPCAD.fx	9:30:00 AM	1			1.63455	10:24:37	0.032691	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPCAD.fx	1:30:00 PM	1			1.63354	15:19:26	0.0326708	Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/12/2019	GBPCAD.fx	3:30:00 PM	1	1.6337	3267.4		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPCHF	9:30:00 AM	1			1.23826	11:23:26	0.0123826	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPJPY	9:30:00 AM	1			135.866	10:52:14	1.35866	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPJPY	11:30:00 AM	1			135.866	13:01:26	1.35866	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPJPY	1:30:00 PM	1			135.838	13:50:25	1.35838	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPUSD	9:30:00 AM	1			0.91005	10:09:08	0.018201	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPUSD	11:30:00 AM	1			1.25389	12:03:29	0.0376167	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPUSD	1:30:00 PM	1			1.25292	14:19:34	0.0125292	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GOLD	9:30:00 AM	1			1411.63	10:24:10	28.2326	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDCHF	1:30:00 PM	1			0.66133	14:32:51	0.0066133	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/12/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDUSD	9:30:00 AM	1	0.66832	1336.64		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDUSD	11:30:00 AM	1			0.66699	13:23:06	0.0133398	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDUSD	1:30:00 PM	1			1518.48	14:43:16	15.1848	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCAD	9:30:00 AM	1			1.30258	10:02:46	0.130258	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCAD	11:30:00 AM	1			1.30276	11:52:05	0.0130276	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCAD	1:30:00 PM	1			1.30276	14:22:38	0.0130276	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCAD.fx	9:30:00 AM	1			1.11882	9:57:24	0.1454466	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCAD.fx	11:30:00 AM	1			1.30276	11:39:04	0.0260552	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCHF	11:30:00 AM	1			0.98635	11:46:45	0.098635	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCHF.fx	9:30:00 AM	1			0.98875	10:03:45	0.019775	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCHF.fx	1:30:00 PM	1			0.98576	14:14:25	0.0197152	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDJPY	9:30:00 AM	1			1.10912	10:36:54	0.0110912	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDJPY	1:30:00 PM	1			108.321	14:22:57	86.6568	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDJPY.fx	9:30:00 AM	1			108.365	11:03:26	2.1673	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDJPY.fx	11:30:00 AM	1			108.365	12:01:27	2.1673	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDJPY.fx	1:30:00 PM	1			108.418	14:14:20	2.16836	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/12/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/12/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/12/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/12/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/12/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/12/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/13/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/13/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/13/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/13/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	CHF MXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF MXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF NOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF NOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF NOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF NOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF NOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF NOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF NOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF NOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF PLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF PLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF PLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF PLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF PLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF PLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF PLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF PLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF SEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF SEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHF SEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/13/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/13/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/13/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/13/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/13/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/13/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/13/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	#BP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/14/2019	#WMT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	#XOM	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/14/2019	#YHOO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	#ZNGA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/14/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/14/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/14/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/14/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	USD RUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USD RUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USD RUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/14/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/14/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/14/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/14/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/15/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/15/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/15/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AXP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/15/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADCHF.fx	1:30:00 PM	1			0.67642	14:36:59	0.0067642	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFJPY	9:30:00 AM	1			109.771	11:03:36	1.09771	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/15/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURAUD	11:30:00 AM	1			1.6048	12:35:19	0.016048	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	EURCHF	1:30:00 PM	1			1.10829	13:36:45	0.886632	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURJPY	9:30:00 AM	1			121.758	10:58:49	12.1758	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURJPY	11:30:00 AM	1			121.596	12:01:57	97.2768	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURNZD	9:30:00 AM	1			1.6769	10:17:44	0.016769	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURUSD	9:30:00 AM	1			1.12633	9:51:47	1.12633	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURUSD	1:30:00 PM	1			1.1271	14:57:04	0.011271	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/15/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPJPY	9:30:00 AM	1			135.657	10:36:07	1.35657	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPJPY	11:30:00 AM	1			135.594	12:39:19	4.06782	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPJPY	1:30:00 PM	1			135.253	15:28:32	1.35253	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPJPY.fx	9:30:00 AM	1			135.807	9:33:15	1.35807	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	GBPUSD	9:30:00 AM	1			1.25652	10:42:29	0.125652	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPUSD	11:30:00 AM	1			1.25583	11:52:54	0.0125583	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPUSD	1:30:00 PM	1			1459.65	13:58:52	14.5965	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/15/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDJPY	11:30:00 AM	1			72.564	11:59:28	0.72564	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDUSD.fx	9:30:00 AM	1			0.67241	11:01:17	0.0134482	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCAD	11:30:00 AM	1			1.30259	12:02:17	1.042072	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCHF	9:30:00 AM	1			1.22601	10:01:53	0.0613005	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCHF	11:30:00 AM	1			0.98245	13:06:52	0.0098245	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCHF.fx	9:30:00 AM	1			0.98288	9:55:07	0.0196576	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCHF.fx	11:30:00 AM	1			82.64	12:54:48	0.8264	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCHF.fx	1:30:00 PM	1			0.98224	14:29:55	0.0196448	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDJPY	1:30:00 PM	1			107.916	14:01:55	1.07916	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/15/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/15/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/15/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/15/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/15/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/16/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/16/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/16/2019	#BIDU	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/16/2019	#Bitcoin	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/16/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/16/2019	#BP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/16/2019	#C	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/16/2019	#FDX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/16/2019	AUDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDJPY.fx	11:30:00 AM	1			122.6	12:13:33	1.226	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDNZD	11:30:00 AM	1			1.0458	12:10:38	0.10458	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDUSD	11:30:00 AM	1			0.70316	12:11:04	1.6805524	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDUSD.fx	9:30:00 AM	1	0.70327	703.27		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDUSD.fx	1:30:00 PM	1			0.70333	13:54:54	0.0140666	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADJPY.fx	11:30:00 AM	1			82.675	12:14:56	0.82675	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/16/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURGBP	9:30:00 AM	1			0.90006	9:42:03	0.0180012	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURGBP	1:30:00 PM	1			0.88878	13:53:21	0.088878	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURGBP.fx	9:30:00 AM	1			0.89968	9:50:14	0.0179936	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURGBP.fx	11:30:00 AM	1			0.90158	11:45:27	0.0090158	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURGBP.fx	1:30:00 PM	1			0.90209	13:39:26	0.0090209	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURJPY	9:30:00 AM	1			1.32257	9:56:35	1.32257	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURJPY	11:30:00 AM	1			121.478	12:11:46	1.21478	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURJPY	1:30:00 PM	1			121.176	13:40:08	3.63528	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURJPY.fx	11:30:00 AM	1			121.305	12:24:23	1.21305	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/16/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURUSD	9:30:00 AM	1			1.12543	9:43:40	0.0112543	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURUSD	11:30:00 AM	1			1.12474	12:58:26	0.0112474	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURUSD	1:30:00 PM	1			1.12613	13:39:34	3.0743349	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURUSD	3:30:00 PM	1	1.123233333	40436.4		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURUSD.fx	9:30:00 AM	1			1.12589	11:21:25	0.0112589	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURUSD.fx	11:30:00 AM	1			1.12382	12:44:38	0.0112382	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURUSD.fx	1:30:00 PM	1			1.1231	13:45:57	0.011231	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURUSD.fx	3:30:00 PM	1	1.12171	2243.42		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPCAD	9:30:00 AM	1			1.65305	11:21:59	0.0165305	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPCHF	9:30:00 AM	1			1.22934	10:26:51	0.0122934	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPCHF	11:30:00 AM	1			1.22566	12:51:48	0.0122566	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPJPY	9:30:00 AM	1			1.65305	11:21:59	0.0165305	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPJPY	11:30:00 AM	1			135.27	11:45:29	405.81	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	GBPJPY	1:30:00 PM	1			134.251	15:22:26	107.4008	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPUSD	9:30:00 AM	1			1.2521	9:42:54	0.012521	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPUSD	11:30:00 AM	1			1.25583	12:33:56	0.0125583	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPUSD	1:30:00 PM	1			1.24618	13:39:08	0.0124618	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPUSD	3:30:00 PM	1	1.24333	2486.66		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPUSD.fx	1:30:00 PM	1			1.24287	14:39:59	0.0124287	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GOLD	11:30:00 AM	1			1413.13	11:47:03	14.1313	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDCAD	1:30:00 PM	1			0.8771	13:34:20	0.008771	Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/16/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDJPY	9:30:00 AM	1			0.67185	10:52:20	0.067185	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	NZDUSD	1:30:00 PM	1			0.6722	13:32:59	0.006722	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDUSD.fx	1:30:00 PM	1			1.24465	13:54:58	0.124465	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCAD	9:30:00 AM	1			1.30585	10:41:01	0.026117	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCAD	11:30:00 AM	1			0.92617	11:58:11	0.3612063	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCAD	1:30:00 PM	1			1.30543	13:52:18	0.0130543	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCAD.fx	9:30:00 AM	1			1.30601	10:41:17	0.0130601	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	USDCHF	9:30:00 AM	1			0.98245	10:52:22	0.0098245	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCHF	11:30:00 AM	1			0.98544	13:21:32	0.0098544	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCHF	1:30:00 PM	1			135.159	13:51:32	1.35159	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCHF	3:30:00 PM	1	0.986675	1973.35		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCHF.fx	1:30:00 PM	1			10480.22	13:48:16	104.8022	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDJPY	3:30:00 PM	1	108.119	108119		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDJPY.fx	3:30:00 PM	1	108.0156667	540078.33		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/16/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/16/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/16/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/16/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/16/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/16/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/16/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/16/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/16/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/16/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/16/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/17/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#BHP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#BIDU	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	#BIDU	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	#C	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	#FB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/17/2019	#VZ	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#VZ	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#VZ	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#WDC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#WDC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#WDC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#WDC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#WFC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#WFC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#WFC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#WFC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#WMT	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#WMT	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	#WMT	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#WMT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#XOM	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#XOM	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#XOM	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#XOM	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#YHOO	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#YHOO	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#YHOO	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#YHOO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#ZNGA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#ZNGA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#ZNGA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	#ZNGA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/17/2019	AUDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDCHF	11:30:00 AM	1			0.694	12:56:22	0.00694	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	AUDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	AUDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	AUDNZD	11:30:00 AM	1			1.0458	12:04:02	0.10458	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/17/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDUSD.fx	11:30:00 AM	1			0.70104	12:47:12	0.0070104	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADCHF.fx	11:30:00 AM	1			0.75799	13:01:21	0.0075799	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADCHF.fx	1:30:00 PM	1			1.22051	14:17:51	0.244102	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADJPY	1:30:00 PM	1			82.798	14:46:14	0.82798	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/17/2019	CHFCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFJPY	11:30:00 AM	1			118.607	11:50:05	1.18607	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURGBP.fx	9:30:00 AM	1			0.90353	10:07:29	0.0090353	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURJPY	9:30:00 AM	1			0.67519	9:51:54	0.0067519	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURJPY	11:30:00 AM	1			121.427	13:28:23	4.85708	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURNZD	9:30:00 AM	1			54.94	11:17:34	0.5494	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/17/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURUSD	9:30:00 AM	1			1.10885	10:00:04	2.2177	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURUSD	11:30:00 AM	1			1.12183	12:47:44	0.0112183	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURUSD	1:30:00 PM	1			0.91952	13:51:44	0.0091952	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURUSD.fx	9:30:00 AM	1			1502.56	9:49:34	30.0512	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURUSD.fx	11:30:00 AM	1			1.12143	12:22:22	0.0112143	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPCAD	11:30:00 AM	1			1.61957	12:05:57	0.0161957	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	GBPCHF	11:30:00 AM	1			1.2277	12:13:08	0.012277	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPCHF	1:30:00 PM	1			1.22776	13:32:36	0.0122776	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPCHF.fx	9:30:00 AM	1			1.22671	9:49:10	0.0245342	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPCHF.fx	11:30:00 AM	1			1.22478	11:33:53	0.0244956	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPJPY	9:30:00 AM	1			134.243	9:51:03	1.34243	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPJPY	11:30:00 AM	1			119.456	12:30:15	3.58368	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPJPY	1:30:00 PM	1			134.293	13:59:28	1.34293	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPUSD	9:30:00 AM	1			1.24182	9:36:01	0.0124182	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPUSD	11:30:00 AM	1			1.30475	11:46:17	0.026095	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPUSD	1:30:00 PM	1			1.2406	14:04:39	0.012406	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	GBPUSD.fx	11:30:00 AM	1			1.2401	13:25:49	0.037203	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPUSD.fx	1:30:00 PM	1	1.24005	1240.05		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GOLD	1:30:00 PM	1			1402.32	14:18:09	14.0232	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/17/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	NZDJPY.fx	11:30:00 AM	1			72.784	12:57:13	1.45568	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDUSD.fx	1:30:00 PM	1			0.67218	15:24:20	0.0134436	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDUSD.fx	3:30:00 PM	1	0.67236	1344.72		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	USDCAD	9:30:00 AM	1			1.12051	10:00:40	0.0112051	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCAD	11:30:00 AM	1			1.30708	12:50:02	0.0130708	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCAD	1:30:00 PM	1			1.3064	15:08:35	0.026128	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCAD	3:30:00 PM	1	1.30655	47035.8		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCAD.fx	9:30:00 AM	1			1.30701	10:37:29	0.0130701	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCAD.fx	11:30:00 AM	1			1.3065	11:35:10	0.013065	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCAD.fx	1:30:00 PM	1			1.30674	15:22:49	0.0130674	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCHF	11:30:00 AM	1			0.9893	12:09:40	0.009893	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCHF.fx	11:30:00 AM	1			0.92271	11:42:52	0.0092271	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCHF.fx	1:30:00 PM	1			0.99011	13:40:11	0.0099011	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDJPY	9:30:00 AM	1			121.277	10:27:18	3.63831	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDJPY	11:30:00 AM	1			108.297	11:33:58	1.08297	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDJPY	1:30:00 PM	1			108.373	14:39:26	1.08373	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDJPY.fx	11:30:00 AM	1			108.287	13:29:20	1.08287	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/17/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/17/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/17/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/18/2019	#UPS	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/18/2019	#V	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#VOD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/18/2019	#VZ	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#VZ	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#VZ	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/18/2019	#WDC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#WDC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/18/2019	#XOM	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	#XOM	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/18/2019	#YHOO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/18/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/18/2019	AUDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/18/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/18/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/18/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/18/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDUSD	1:30:00 PM	1			0.70307	13:49:11	0.070307	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDUSD.fx	9:30:00 AM	1			0.7035	9:46:28	0.007035	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	BCHUSD	11:30:00 AM	1			295.51	12:44:36	2.9551	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADCHF	1:30:00 PM	1			0.75724	15:20:59	0.0075724	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	CADJPY	11:30:00 AM	1			82.822	12:54:44	6.62576	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/18/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURCAD	11:30:00 AM	1			1.46691	12:05:34	0.0146691	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURCAD	1:30:00 PM	1			1.46691	13:33:02	0.0146691	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURCHF	9:30:00 AM	1			1.24981	10:37:55	0.249962	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURCHF.fx	11:30:00 AM	1			1.10736	12:44:19	0.0221472	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURCHF.fx	1:30:00 PM	1			1.10735	14:27:55	0.022147	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURGBP	11:30:00 AM	1			72.786	12:22:45	1.45572	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURGBP	1:30:00 PM	1			0.91845	13:56:13	0.0091845	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	EURGBP.fx	9:30:00 AM	1			0.90121	11:14:53	0.0090121	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURJPY	9:30:00 AM	1			1.10577	11:05:03	0.0221154	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	EURJPY	11:30:00 AM	1			121.037	13:03:53	1.21037	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURJPY	1:30:00 PM	1			120.858	13:32:30	4.83432	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/18/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURUSD	9:30:00 AM	1			1.12368	9:54:03	0.112368	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURUSD	11:30:00 AM	1			1.12256	12:22:49	0.0112256	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURUSD	1:30:00 PM	1			1.121	13:34:03	0.01121	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURUSD.fx	1:30:00 PM	1	1.12182	1121.82		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPAUD	1:30:00 PM	1			1.77513	15:16:32	0.0177513	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPAUD.fx	9:30:00 AM	1			1.76802	10:23:01	0.0176802	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPCAD	9:30:00 AM	1			0.99224	10:18:43	0.0198448	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPJPY	9:30:00 AM	1			134.149	10:00:25	1.34149	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPJPY	11:30:00 AM	1	134.398	134398		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPJPY	1:30:00 PM	1			134.398	13:50:35	1.34398	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPUSD	9:30:00 AM	1			1.2445	10:17:17	0.012445	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPUSD	11:30:00 AM	1			1.24787	12:21:50	0.124787	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPUSD	1:30:00 PM	1			1.24661	13:35:11	0.249322	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	GOLD	1:30:00 PM	1			1419	14:25:37	14.19	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/18/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDCAD	1:30:00 PM	1			0.87984	15:20:01	0.087984	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDJPY.fx	9:30:00 AM	1			72.784	10:59:53	1.45568	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDJPY.fx	1:30:00 PM	1			0.68956	13:53:50	0.0068956	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCAD	9:30:00 AM	1			1.30567	9:45:31	0.0261134	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCAD	11:30:00 AM	1			118.353	12:02:09	1.18353	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCAD	1:30:00 PM	1			55.99	13:32:37	2.7995	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCAD	3:30:00 PM	1	1.30657	5226.28		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCHF	9:30:00 AM	1			0.98653	10:13:14	0.098653	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCHF	11:30:00 AM	1			0.98791	12:46:56	0.0098791	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCHF	1:30:00 PM	1			0.98741	13:37:14	0.098741	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCHF.fx	1:30:00 PM	1			0.98838	14:06:10	0.0098838	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDJPY	11:30:00 AM	1			108.255	12:46:44	1.08255	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDJPY	1:30:00 PM	1			107.865	13:41:09	23.7303	Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/18/2019	USDJPY	3:30:00 PM	1	107.83725	4313490		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDJPY.fx	9:30:00 AM	1			107.774	10:51:31	1.07774	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDJPY.fx	1:30:00 PM	1			107.885	14:15:39	3.23655	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/18/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/18/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/18/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/18/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/18/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/18/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/18/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/19/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/19/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/19/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/19/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/19/2019	#DWDP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/19/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	AUDJPY	11:30:00 AM	1			75.9	13:01:20	0.759	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDUSD	9:30:00 AM	1			0.70674	10:10:52	0.070674	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDUSD	11:30:00 AM	1			0.7056	13:01:01	0.007056	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADCHF	11:30:00 AM	1			0.75378	12:08:58	0.0075378	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADCHF	1:30:00 PM	1			0.74377	14:09:21	0.0074377	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADCHF	3:30:00 PM	1	0.75378	753.78		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/19/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCAD	11:30:00 AM	1			1.46703	12:20:03	0.1613733	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCHF	9:30:00 AM	1			1.1078	10:18:47	0.11078	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCHF.fx	11:30:00 AM	1			1.1074	12:25:31	0.022148	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURGBP	9:30:00 AM	1			0.89959	9:40:00	0.0179918	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURGBP	11:30:00 AM	1			1.21346	12:19:50	0.0728076	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURGBP	1:30:00 PM	1			68.326	13:34:00	0.68326	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURJPY	9:30:00 AM	1			121.134	9:48:31	18.1701	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURJPY	11:30:00 AM	1			121.239	11:44:33	12.1239	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURJPY	1:30:00 PM	1			121.141	14:25:21	12.1141	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURJPY.fx	1:30:00 PM	1			120.894	13:36:53	1.20894	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURNZD	11:30:00 AM	1			1.6779	13:12:31	0.016779	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/19/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURUSD	9:30:00 AM	1			1.12606	10:29:36	0.900848	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURUSD	11:30:00 AM	1			1.0977	12:04:17	1.0977	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURUSD	1:30:00 PM	1			1.12424	13:32:22	0.168636	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURUSD.fx	11:30:00 AM	1			1.12593	13:05:42	0.0112593	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPAUD	1:30:00 PM	1			1.11822	13:44:22	0.0111822	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPCAD	1:30:00 PM	1			1.08927	14:00:02	0.0108927	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPCAD	3:30:00 PM	1	1.63639	1636.39		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPCHF	11:30:00 AM	1			1.2324	11:39:57	0.012324	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPJPY	9:30:00 AM	1			69.001	9:49:40	6.9001	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPJPY	1:30:00 PM	1			134.867	14:15:08	107.8936	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	GBPNZD	9:30:00 AM	1			1.84707	9:39:32	0.184707	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPNZD	11:30:00 AM	1			1.84707	13:04:18	0.184707	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPNZD.fx	11:30:00 AM	1			1.84977	12:46:11	0.0184977	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPNZD.fx	1:30:00 PM	1			1.85219	13:50:26	0.0370438	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPUSD	9:30:00 AM	1			1.25189	9:36:37	0.6384639	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPUSD	11:30:00 AM	1			1.10544	11:38:52	0.0331632	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPUSD	1:30:00 PM	1			1.25401	13:48:50	0.125401	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GOLD	9:30:00 AM	1			1440.2	9:36:57	14.402	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/19/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDJPY	1:30:00 PM	1			72.836	14:33:44	7.2836	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDUSD	9:30:00 AM	1			0.67373	9:48:36	0.0067373	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDUSD	11:30:00 AM	1			0.67586	12:19:54	0.0067586	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCAD	9:30:00 AM	1			1.30292	10:24:23	0.0130292	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCAD	11:30:00 AM	1			1.30386	11:36:44	0.0260772	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCAD	1:30:00 PM	1			120.858	13:32:30	4.83432	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCAD	3:30:00 PM	1	1.3058075	122745.91		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCAD.fx	3:30:00 PM	1	1.308	6540		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCHF	11:30:00 AM	1			0.9837	13:00:47	0.009837	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCHF	1:30:00 PM	1			0.98242	14:18:37	0.0098242	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCHF.fx	9:30:00 AM	1			0.98427	9:50:09	0.0098427	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/19/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDZAR	9:30:00 AM	1			13.8327	10:51:55	0.276654	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/19/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	XAUUSD	9:30:00 AM	1			1440.05	11:26:54	144.005	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/19/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/20/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AXP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BAC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BHP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BHP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BIDU	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BIDU	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BIDU	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BIDU	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#Bitcoin	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#Bitcoin	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#Bitcoin	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#Bitcoin	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	#BK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/20/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/20/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/20/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/20/2019	CADDDK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADDDK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADDDK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/20/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	CHFCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/20/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/20/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/20/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USD RUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USD RUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USD RUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USD RUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USD SGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USD SGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USD SGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USD SGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USD SGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USD SGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/20/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/20/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	#V	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	#WDC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	#YHOO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/21/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	CHF MXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHF MXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHF MXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHF NOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHF NOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHF NOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHF NOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	CHF NOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	CHF NOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHF PLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	CHF PLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHF PLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	CHF SEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHF SEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/21/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/21/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/21/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/21/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/21/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/21/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/22/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/22/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/22/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/22/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/22/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#AXP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/22/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/22/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/22/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/22/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/22/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/22/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/22/2019	#BP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/22/2019	#BP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/22/2019	#BP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/22/2019	#C	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/22/2019	#CSCO	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/22/2019	#DD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#DIS	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#DIS	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/22/2019	#DWDP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	#EBAY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/22/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDNZD	9:30:00 AM	1			1.0394	11:20:37	0.010394	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDUSD	9:30:00 AM	1			0.70403	10:51:24	0.563224	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDUSD	11:30:00 AM	1			0.70316	11:47:04	1.6805524	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	BCHUSD	9:30:00 AM	1			317.38	10:35:40	34.9118	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADCHF	11:30:00 AM	1			0.75153	13:23:09	0.075153	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/22/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURAUD	1:30:00 PM	1			1.6048	15:05:56	0.016048	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURCAD	9:30:00 AM	1			1.46311	11:10:42	0.146311	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURCAD	1:30:00 PM	1			1.46311	15:11:50	0.146311	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURCHF	9:30:00 AM	1			1.10224	9:38:08	0.0110224	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURGBP	11:30:00 AM	1			105.36	11:40:12	1.0536	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURGBP	1:30:00 PM	1			0.89991	13:57:52	0.0269973	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURJPY	9:30:00 AM	1			1.10875	11:02:59	0.554375	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURJPY	11:30:00 AM	1			121.078	13:22:01	12.1078	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURJPY	1:30:00 PM	1			121.205	13:50:27	1.21205	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/22/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURNZD	9:30:00 AM	1			1.65556	10:14:56	0.0165556	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURNZD	11:30:00 AM	1			1.65497	12:12:03	0.0165497	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURUSD	9:30:00 AM	1			1.12184	10:22:57	0.0112184	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURUSD	11:30:00 AM	1			1.30276	11:52:05	0.0130276	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURUSD	1:30:00 PM	1			1.1222	13:34:40	0.011222	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURUSD.fx	1:30:00 PM	1			1.12195	14:15:35	0.0112195	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPAUD	9:30:00 AM	1			10149.64	11:23:08	202.9928	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPAUD.fx	1:30:00 PM	1			1.768	15:18:43	0.01768	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPCHF	9:30:00 AM	1			1.22833	10:15:09	0.0245666	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPCHF	11:30:00 AM	1			1.23242	13:22:34	0.0123242	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPCHF	1:30:00 PM	1			1.22409	13:52:02	0.0122409	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPJPY	9:30:00 AM	1			134.852	10:15:15	1.34852	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPJPY	11:30:00 AM	1			134.958	11:43:51	13.4958	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPJPY	1:30:00 PM	1			134.235	13:50:31	1.34235	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPNZD	9:30:00 AM	1			1.10006	10:31:16	0.0110006	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPNZD	11:30:00 AM	1			1.84319	11:36:06	0.0184319	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPNZD	1:30:00 PM	1			1.84339	14:24:06	0.0184339	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPUSD	9:30:00 AM	1			1.24791	10:25:49	0.124791	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPUSD	11:30:00 AM	1			1.24793	11:34:38	0.124793	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPUSD	1:30:00 PM	1			1.24939	14:50:27	0.0124939	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPUSD	3:30:00 PM	1	1.24564	1245.64		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPUSD.fx	1:30:00 PM	1			1.24678	15:12:37	0.0374034	Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/22/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GOLD	11:30:00 AM	1			1442.31	11:51:53	14.4231	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDJPY	1:30:00 PM	1			72.49	15:04:31	0.7249	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCAD	9:30:00 AM	1			1.30624	9:37:46	0.0130624	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCHF	9:30:00 AM	1			0.98347	10:51:15	0.786776	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCHF	11:30:00 AM	1			0.98168	11:54:09	0.098168	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCHF	1:30:00 PM	1			1.10885	15:18:54	1.33062	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/22/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDJPY	9:30:00 AM	1			107.826	11:23:15	1.07826	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDJPY	11:30:00 AM	1			107.844	11:52:20	10.7844	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDJPY.fx	1:30:00 PM	1			107.92	15:27:25	1.0792	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/22/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/22/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/23/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/23/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/23/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/23/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BAC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/23/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BHP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BHP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BIDU	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BIDU	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BIDU	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BIDU	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#Bitcoin	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/23/2019	#Bitcoin	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#Bitcoin	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	#BK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



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7/23/2019	#V	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/23/2019	#WDC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/23/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/23/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/23/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/23/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/23/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/23/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/23/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURAUD	1:30:00 PM	1			1.59094	13:37:24	0.159094	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURCHF	9:30:00 AM	1			1404.1	10:12:25	14.041	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURGBP	1:30:00 PM	1			1.12142	14:01:00	0.112142	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURHUF	1:30:00 PM	1			324.93	14:25:28	3.2493	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURJPY	1:30:00 PM	1			120.919	14:19:21	1.20919	Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/23/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURJPY.fx	1:30:00 PM	1			120.894	14:58:55	1.20894	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURUSD	9:30:00 AM	1			0.88001	10:00:02	0.0352004	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURUSD	11:30:00 AM	1			1.11888	11:32:18	0.0111888	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURUSD	1:30:00 PM	1			1.11839	13:36:36	0.559195	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURUSD.fx	9:30:00 AM	1			1.11929	10:43:33	0.0111929	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURUSD.fx	11:30:00 AM	1			1.21052	11:32:17	0.0242104	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	EURUSD.fx	1:30:00 PM	1			1.1181	14:59:49	0.011181	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPAUD.fx	11:30:00 AM	1			105.833	11:42:26	1.05833	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPCAD	9:30:00 AM	1			1.63397	11:22:34	0.163397	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPCHF	9:30:00 AM	1			1.24254	10:13:32	0.124254	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPJPY	9:30:00 AM	1			134.49	10:00:54	1.3449	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPJPY	11:30:00 AM	1			0.67943	11:42:07	0.0067943	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPJPY	1:30:00 PM	1			134.49	13:38:19	1.3449	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/23/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPUSD	9:30:00 AM	1			1.09405	10:31:34	0.0547025	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPUSD	11:30:00 AM	1			0.67855	11:41:01	0.013571	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPUSD	1:30:00 PM	1			1.2445	14:00:42	0.012445	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GOLD	9:30:00 AM	1			1.21624	11:17:24	0.0121624	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GOLD	1:30:00 PM	1			1419.68	14:00:10	14.1968	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDJPY.fx	11:30:00 AM	1			72.795	12:13:58	1.4559	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDUSD.fx	9:30:00 AM	1			0.67533	9:33:07	0.0067533	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDUSD.fx	11:30:00 AM	1			0.66215	12:06:25	0.0066215	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCAD	9:30:00 AM	1			105.608	9:59:30	1.05608	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCAD	11:30:00 AM	1			1.3131	11:51:11	0.026262	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCAD	1:30:00 PM	1			8484.42	15:20:35	84.8442	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCAD.fx	9:30:00 AM	1			1.31319	9:59:27	0.0131319	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCAD.fx	11:30:00 AM	1			1.31321	12:08:23	0.0393963	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCAD.fx	1:30:00 PM	1			1.31376	13:34:06	0.0131376	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCHF	9:30:00 AM	1			0.98168	9:46:13	0.098168	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCHF	11:30:00 AM	1			0.98253	12:18:27	0.0098253	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCHF	1:30:00 PM	1			0.98294	13:41:50	0.098294	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/23/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDJPY	11:30:00 AM	1			108.184	11:55:36	4.32736	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	USDJPY.fx	11:30:00 AM	1			1.30426	12:13:05	0.0260852	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/23/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/23/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/24/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/24/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDUSD	11:30:00 AM	1			0.69879	11:44:00	0.0069879	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDUSD	1:30:00 PM	1			0.69877	13:56:42	0.0139754	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDUSD.fx	11:30:00 AM	1			0.69848	11:41:36	0.0069848	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/24/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/24/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/24/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/24/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/24/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/24/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/24/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/24/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/24/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/24/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/24/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURAUD	11:30:00 AM	1			72.49	12:35:01	0.7249	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURCHF	1:30:00 PM	1			1.09849	14:03:19	0.878792	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURGBP	9:30:00 AM	1			0.89595	11:05:56	0.0089595	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURGBP	11:30:00 AM	1			117.691	12:00:02	4.70764	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURGBP	1:30:00 PM	1			0.91283	13:49:29	0.0091283	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURGBP.fx	9:30:00 AM	1			106.005	10:44:44	1.06005	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURGBP.fx	11:30:00 AM	1			0.89364	11:54:35	0.0089364	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURGBP.fx	1:30:00 PM	1			0.89263	13:50:53	0.0089263	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURGBP.fx	3:30:00 PM	1	0.89191	891.91		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/24/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURJPY	9:30:00 AM	1			1.31151	10:30:04	0.0131151	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURJPY	11:30:00 AM	1			120.382	12:07:29	13.24202	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURJPY.fx	11:30:00 AM	1			1.31011	12:08:32	0.1703143	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURUSD	9:30:00 AM	1			1.11471	9:49:23	0.9029151	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURUSD	11:30:00 AM	1			1.11387	12:34:57	0.1336644	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURUSD	1:30:00 PM	1			1.11473	13:37:20	0.0111473	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURUSD.fx	9:30:00 AM	1			1.11539	10:11:47	0.0111539	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURUSD.fx	1:30:00 PM	1			1.11456	13:34:26	0.0111456	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPAUD	9:30:00 AM	1			0.9924	9:53:39	0.019848	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPCAD	1:30:00 PM	1			1.21175	13:45:53	0.121175	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPCHF	9:30:00 AM	1			1.23102	10:53:07	0.0123102	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPCHF	11:30:00 AM	1			1.1174	12:05:43	0.011174	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPCHF	1:30:00 PM	1			1.22925	15:01:59	0.024585	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPJPY	9:30:00 AM	1			134.453	10:15:04	1.34453	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	GBPJPY	11:30:00 AM	1			134.514	12:57:25	1.34514	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPJPY	1:30:00 PM	1			135.071	13:50:51	1.35071	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/24/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPUSD	9:30:00 AM	1			1.243	9:47:50	0.01243	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPUSD	11:30:00 AM	1			1.24566	12:13:32	0.124566	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPUSD	1:30:00 PM	1			1.24793	13:47:53	0.124793	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPUSD.fx	11:30:00 AM	1			1.24552	11:41:24	0.0249104	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPUSD.fx	1:30:00 PM	1			1.24803	13:45:01	0.0249606	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GOLD	9:30:00 AM	1			1423.16	10:53:49	14.2316	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GOLD	11:30:00 AM	1			1423.16	11:55:45	14.2316	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GOLD	1:30:00 PM	1			1426.15	14:23:16	14.2615	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDUSD	1:30:00 PM	1			0.67051	14:03:36	0.536408	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCAD	9:30:00 AM	1			1.3132	9:54:45	0.026264	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCAD	11:30:00 AM	1			1.31392	12:56:41	0.197088	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCAD	1:30:00 PM	1			1.31329	13:53:47	0.0262658	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/24/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCHF	11:30:00 AM	1			0.98547	12:44:06	0.098547	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCHF	1:30:00 PM	1			0.98547	14:54:48	0.098547	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCHF.fx	9:30:00 AM	1			0.98579	10:47:12	0.0197158	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDJPY	9:30:00 AM	1			1.21161	9:57:03	0.0121161	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDJPY.fx	11:30:00 AM	1			108.068	12:37:05	2.16136	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/24/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/24/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/24/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/24/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/24/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/24/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/24/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/24/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/25/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	#BAC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/25/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	#BLT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/25/2019	#BP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	#CSCO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	#CVX	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	#CVX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	#DIS	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/25/2019	AUDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	AUDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	AUDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	AUDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDUSD	9:30:00 AM	1			0.69696	11:15:38	1.8608832	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDUSD.fx	11:30:00 AM	1			0.69718	11:58:39	0.0069718	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDUSD.fx	1:30:00 PM	1			0.6969	13:46:25	0.013938	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADCHF	1:30:00 PM	1			0.75366	15:26:13	0.0075366	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/25/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	CHFHFUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFHFUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFSEK	1:30:00 PM	1			9.5789	14:45:32	3.448404	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURCAD	9:30:00 AM	1			1.10736	11:00:11	1.10736	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURCHF	1:30:00 PM	1			1.09782	14:10:00	0.109782	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURGBP	1:30:00 PM	1			0.89258	14:40:01	0.0089258	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURGBP.fx	1:30:00 PM	1			1.11356	14:48:21	0.0111356	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/25/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURJPY	9:30:00 AM	1			120.38	9:49:32	1.2038	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURJPY	11:30:00 AM	1			120.306	13:16:06	1.20306	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURJPY	1:30:00 PM	1			120.25	14:52:30	1.2025	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURJPY.fx	9:30:00 AM	1			120.404	10:37:22	52.97776	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURUSD	9:30:00 AM	1			1.10962	10:00:01	0.0332886	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURUSD	11:30:00 AM	1			1.1127	11:42:55	0.901287	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURUSD	1:30:00 PM	1			1.11454	13:44:32	0.0111454	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURUSD	3:30:00 PM	1	1.111776667	13341.32		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURUSD.fx	9:30:00 AM	1			1.11456	9:53:35	0.0111456	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURUSD.fx	11:30:00 AM	1			1.11346	13:15:29	0.0111346	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURUSD.fx	1:30:00 PM	1			68.326	14:45:08	0.68326	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURUSD.fx	3:30:00 PM	1	1.110786667	3332.36		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPCAD	1:30:00 PM	1			1.63658	15:26:04	0.0163658	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPCHF	1:30:00 PM	1			1.228	14:52:24	0.01228	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPCHF.fx	1:30:00 PM	1			132.91	15:05:50	3.9873	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPJPY	9:30:00 AM	1			134.987	10:01:51	1.34987	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPJPY	11:30:00 AM	1			134.847	12:30:19	1.34847	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPJPY	1:30:00 PM	1			135.013	14:06:08	54.0052	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/25/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPUSD	9:30:00 AM	1			1.24692	9:57:36	0.0124692	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPUSD	11:30:00 AM	1			1.247	11:59:44	0.1247	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPUSD	1:30:00 PM	1			1.24975	13:35:44	0.1874625	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPUSD	3:30:00 PM	1	1.25016	6250.8		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GOLD	9:30:00 AM	1			1425.44	10:00:37	14.2544	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GOLD	1:30:00 PM	1			1428.89	14:46:40	14.2889	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	NZDCHF.fx	3:30:00 PM	1	0.66056	660.56		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDUSD	1:30:00 PM	1			0.66923	14:45:16	0.2141536	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/25/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCAD	11:30:00 AM	1			1.31386	12:01:00	0.197079	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCHF	11:30:00 AM	1	0.98522	1970.44		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCHF	1:30:00 PM	1			0.98532	14:22:06	0.098532	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCHF.fx	11:30:00 AM	1			1.24378	12:30:21	0.0124378	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCHF.fx	1:30:00 PM	1			0.98775	14:54:52	0.019755	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/25/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/25/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/25/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/25/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/25/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/26/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#BAC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#BHP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	#TSLA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	#TWTR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#TWTR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#UBS	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	#UL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#UL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/26/2019	#UPS	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	#UTX	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#UTX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#V	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#V	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#V	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#V	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#VOD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	#VOD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#VZ	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#VZ	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#VZ	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#VZ	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	#WDC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	#WFC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	#WMT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	#XOM	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	#YHOO	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#YHOO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#ZNGA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	#ZNGA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/26/2019	AUDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	AUDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	AUDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	AUDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	AUDUSD	9:30:00 AM	1			1.26667	10:12:15	1.26667	Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	AUDUSD	1:30:00 PM	1			0.69342	13:38:46	0.0069342	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDUSD.fx	9:30:00 AM	1			0.69474	9:41:09	0.0069474	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDUSD.fx	1:30:00 PM	1			0.69327	15:07:30	0.0069327	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/26/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	BCHUSD	9:30:00 AM	1			299.18	11:22:02	71.8032	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/26/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	CHF MXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF NOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF NOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF NOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF NOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF NOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF NOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF NOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF NOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF PLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF PLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF PLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF PLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF PLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF PLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF PLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF PLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF SEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF SEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF SEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHF SEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURAUD	11:30:00 AM	1			1.60581	13:28:40	0.0160581	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURCAD	11:30:00 AM	1			1.46765	11:42:10	0.0146765	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURGBP	9:30:00 AM	1			1.09697	11:00:02	0.0219394	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURGBP	11:30:00 AM	1			0.89531	13:13:11	0.0089531	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/26/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURGBP.fx	11:30:00 AM	1			0.89575	11:32:01	0.0089575	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURGBP.fx	1:30:00 PM	1			0.89575	15:12:44	0.0089575	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	EURJPY	9:30:00 AM	1			1.10384	9:50:18	0.0110384	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURNZD	11:30:00 AM	1			1.22869	11:38:14	0.0245738	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURUSD	11:30:00 AM	1			1.11379	12:09:53	0.0111379	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURUSD	1:30:00 PM	1			1.11351	14:02:17	0.0111351	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	EURUSD	3:30:00 PM	1	1.114015	22280.3		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPAUD	11:30:00 AM	1			1.79436	11:34:04	0.0179436	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPAUD	1:30:00 PM	1			1.12193	15:29:54	1.1331493	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPCHF	9:30:00 AM	1			1.23337	11:20:26	0.0123337	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPCHF.fx	11:30:00 AM	1			0.99429	12:19:17	0.0099429	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPJPY	9:30:00 AM	1			135.068	11:18:56	1.35068	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPJPY	1:30:00 PM	1			135.068	13:43:21	1.35068	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/26/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPUSD	9:30:00 AM	1			1.24275	9:37:31	0.124275	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPUSD	11:30:00 AM	1			1.24365	12:32:00	0.0124365	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPUSD	1:30:00 PM	1			1.10286	14:49:27	0.0110286	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPUSD	3:30:00 PM	1	1.24364	65912.92		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GOLD	9:30:00 AM	1			1419	10:23:04	14.19	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	GOLD	11:30:00 AM	1			1416.72	13:26:35	14.1672	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDUSD	1:30:00 PM	1			0.6655	13:39:12	0.006655	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/26/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCAD	9:30:00 AM	1			1.31623	9:50:32	1.31623	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCAD	11:30:00 AM	1			1.31811	12:49:12	0.1449921	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCAD	1:30:00 PM	1			1.31847	13:41:15	1.6876416	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCAD.fx	9:30:00 AM	1			1.31647	9:52:28	0.0131647	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCAD.fx	11:30:00 AM	1			1.3174	11:35:31	0.013174	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCAD.fx	1:30:00 PM	1			1.31774	14:45:58	0.0131774	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCAD.fx	3:30:00 PM	1	1.31775	1317.75		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCHF	11:30:00 AM	1			0.99171	11:43:59	0.0495855	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	USDCHF.fx	9:30:00 AM	1			58.92	10:11:17	0.5892	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCHF.fx	1:30:00 PM	1			0.99156	13:42:41	0.0099156	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCHF.fx	3:30:00 PM	1	0.992496667	2977.49		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDJPY	11:30:00 AM	1			108.715	11:46:49	1.08715	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	USDJPY	1:30:00 PM	1			107.755	14:53:16	1.07755	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDJPY	3:30:00 PM	1	107.8	107800		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDJPY.fx	1:30:00 PM	1			108.665	14:22:08	1.08665	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDJPY.fx	3:30:00 PM	1	108.714	434856		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USD RUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USD RUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USD RUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USD RUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	XAUUSD	9:30:00 AM	1			1.33579	10:52:55	0.0133579	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/26/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/26/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/27/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/27/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/27/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/27/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/27/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/27/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/27/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/27/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/27/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/28/2019	#ZNGA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	#ZNGA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	#ZNGA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	AUDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	AUDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/28/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



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7/28/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADDDK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADDDK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADDDK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADDDK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/28/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/28/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/28/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	GBPUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/28/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/28/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/28/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/28/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/28/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/28/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/29/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#BAC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#BIDU	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	#TWTR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#TWTR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	#UBS	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#UBS	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#UBS	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	#UL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#UL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	#UPS	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	#UTX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#V	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#V	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#V	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#V	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	#VZ	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	#VZ	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	#WDC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	#WFC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	#WMT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	#XOM	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	AUDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/29/2019	AUDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/29/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/29/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/29/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/29/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	BCHUSD	9:30:00 AM	1			298.36	9:54:48	74.59	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	BCHUSD	11:30:00 AM	1			302.05	13:03:37	69.4715	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	CHF MXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF MXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF MXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF MXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF NOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF NOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF NOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF NOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF NOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF NOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF NOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF NOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF PLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF PLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF PLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF PLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF PLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF PLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF PLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF PLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHF SEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	DAX30.i	9:30:00 AM	1			106.625	10:04:02	26.65625	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/29/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURCHF	11:30:00 AM	1			1.1049	11:47:42	0.011049	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	EURGBP	9:30:00 AM	1			0.90109	10:36:22	0.090109	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURGBP	1:30:00 PM	1			0.90109	15:01:26	0.090109	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURGBP	3:30:00 PM	1	0.89576	8957.6		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURGBP.fx	11:30:00 AM	1			118.607	11:50:05	1.18607	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURGBP.fx	1:30:00 PM	1			0.90285	13:36:50	0.0270855	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURGBP.fx	3:30:00 PM	1	0.90579	1811.58		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURJPY	1:30:00 PM	1			120.825	15:21:54	2.4165	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURJPY.fx	9:30:00 AM	1			120.84	11:09:48	1.2084	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	EURUSD	9:30:00 AM	1			1497.68	10:00:07	29.9536	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURUSD	11:30:00 AM	1			1.11228	11:33:10	2.22456	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURUSD	1:30:00 PM	1			1.11222	14:19:26	0.0111222	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPAUD	1:30:00 PM	1			1.79448	13:51:13	0.0179448	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPCAD	9:30:00 AM	1			1.63774	10:31:10	0.0163774	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPJPY	9:30:00 AM	1			134.313	9:51:08	1.34313	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPJPY	11:30:00 AM	1			134.699	11:48:07	324.62459	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPJPY	1:30:00 PM	1			134.026	14:58:41	201.039	Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/29/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPUSD	9:30:00 AM	1			1.10379	10:12:00	0.0331137	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPUSD	11:30:00 AM	1			1.11784	13:24:39	1.11784	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPUSD	1:30:00 PM	1			1.2316	13:52:46	0.012316	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPUSD	3:30:00 PM	1	1.22845	1228.45		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPUSD.fx	11:30:00 AM	1			1.23226	12:07:34	0.0123226	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPUSD.fx	1:30:00 PM	1			0.88971	15:03:14	0.0088971	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDUSD	9:30:00 AM	1			0.66233	10:31:46	0.0066233	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDUSD	1:30:00 PM	1			0.6642	15:21:52	0.013284	Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/29/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCHF	9:30:00 AM	1			0.99242	10:29:51	0.0099242	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	USDCHE	11:30:00 AM	1			0.99139	12:23:52	0.0099139	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCHE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCHE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCHE.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCHE.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCHE.fx	1:30:00 PM	1			0.99141	13:40:16	0.0099141	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCHE.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDJPY	1:30:00 PM	1			108.6	14:20:35	1.086	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/29/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/29/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/30/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/30/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/30/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#BP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#BP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#BTA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#BTA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#C	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#CAT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#CHL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#CL.f	11:30:00 AM	1			1.23354	12:57:09	0.0123354	Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#CMCSA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#CSCO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#CVX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#DD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#DIS	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#DIS	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/30/2019	#EBAY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#F	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#FB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#FB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#FB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#FB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#FCX	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#FCX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#FDX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#GE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#GEN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#GEN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#GILD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	#GILD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	#GILD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	#GOOG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	AUDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/30/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/30/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDUSD.fx	11:30:00 AM	1			1.30386	11:36:44	0.0260772	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDUSD.fx	1:30:00 PM	1			0.68908	14:13:05	0.0068908	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	BCHUSD	9:30:00 AM	1			1.60181	9:58:58	0.0160181	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	BCHUSD	1:30:00 PM	1			316.06	14:38:07	3.1606	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	DAX30.i	1:30:00 PM	1			12389.98	14:36:26	24779.96	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURAUD	1:30:00 PM	1			0.99097	14:02:40	0.0099097	Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/30/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURCAD	9:30:00 AM	1			1.469	11:14:58	0.01469	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURCAD	1:30:00 PM	1			1505.92	15:05:37	15.0592	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURGBP	9:30:00 AM	1			1.10675	10:22:49	0.0553375	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURGBP.fx	9:30:00 AM	1			0.91522	10:22:46	0.0091522	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURJPY	9:30:00 AM	1			121.027	11:16:31	1.21027	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURJPY	11:30:00 AM	1			1.23291	12:06:44	0.0246582	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURJPY.fx	11:30:00 AM	1			119.456	12:30:15	3.58368	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURSEK	9:30:00 AM	1			10.6352	10:21:52	0.106352	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURUSD	9:30:00 AM	1			1.11369	9:59:34	2.22738	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURUSD	11:30:00 AM	1			1.11688	12:08:34	0.0223376	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURUSD	1:30:00 PM	1			1.11451	13:54:01	0.0111451	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/30/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPJPY	9:30:00 AM	1			132.225	10:26:55	1.32225	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPJPY	1:30:00 PM	1			1.1221	14:09:00	0.011221	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPUSD	9:30:00 AM	1			1.22097	10:12:55	0.2686134	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPUSD	11:30:00 AM	1			1.23837	12:09:37	0.371511	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPUSD	1:30:00 PM	1			1.21867	13:37:41	0.0121867	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GOLD	9:30:00 AM	1			1426.24	11:09:35	14.2624	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GOLD	11:30:00 AM	1			117.797	13:00:21	1.17797	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GOLD	1:30:00 PM	1			1422.05	13:45:04	14.2205	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDCHF	11:30:00 AM	1			0.65496	13:27:45	0.065496	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/30/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDUSD.fx	11:30:00 AM	1			0.66215	12:06:25	0.0066215	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDUSD.fx	1:30:00 PM	1			0.6632	14:38:11	0.006632	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	USDCAD	11:30:00 AM	1			1.31681	11:50:36	0.0131681	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCAD	1:30:00 PM	1			1.3178	14:15:15	0.013178	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCAD.fx	1:30:00 PM	1			1.31784	14:39:46	0.0131784	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCHF.fx	9:30:00 AM	1			0.99054	10:52:59	0.0099054	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCHF.fx	1:30:00 PM	1			0.99017	13:52:03	0.0198034	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDJPY	9:30:00 AM	1			108.682	10:48:05	5.4341	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDJPY	11:30:00 AM	1			108.6	12:43:30	1.086	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDJPY.fx	11:30:00 AM	1			108.527	13:17:55	1.08527	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDSEK.fx	11:30:00 AM	1			9.54478	12:16:21	0.0954478	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDZAR	11:30:00 AM	1			14.2125	13:25:42	4.26375	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/30/2019	USDZAR	1:30:00 PM	1			0.91283	13:49:29	0.0091283	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/30/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/30/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/31/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AXP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	#BAC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BIDU	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BIDU	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	#BIDU	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	#BK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/31/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	#BLT	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BLT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	#BP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BTA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BTA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BTA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#BTA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	#C	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#C	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#C	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	#CAT	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	#CAT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	#CHL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	#CHL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	#CL.f	1:30:00 PM	1			58.39	14:18:27	0.5839	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#CL.f	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	#CMCSA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	#CMCSA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#CSCO	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#CSCO	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	#XOM	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#YHOO	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#YHOO	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#YHOO	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#YHOO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#ZNGA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#ZNGA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#ZNGA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	#ZNGA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	AUDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	AUDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/31/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



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7/31/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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7/31/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/31/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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7/31/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFJPY	1:30:00 PM	1			0.69256	15:07:32	0.0069256	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/31/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURAUD	1:30:00 PM	1			1.61768	13:51:21	0.2588288	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURCAD	9:30:00 AM	1			1.46674	11:11:01	0.0146674	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURJPY	11:30:00 AM	1			1.09879	11:56:36	0.4505039	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURUSD	9:30:00 AM	1			1.11562	11:16:06	0.223124	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURUSD	11:30:00 AM	1			1.11222	11:39:44	0.0111222	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURUSD	1:30:00 PM	1			1.11488	13:34:23	0.0222976	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURUSD.fx	9:30:00 AM	1			1.11523	10:34:23	0.0223046	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPCAD	9:30:00 AM	1			1.59793	11:19:39	0.0159793	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/31/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPJPY	9:30:00 AM	1			131.95	11:28:28	1.3195	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPUSD	9:30:00 AM	1			1.21549	10:13:55	0.0607745	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPUSD	11:30:00 AM	1			8.9371	11:48:53	0.89371	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPUSD	1:30:00 PM	1			1.21728	13:33:23	0.0121728	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GOLD	11:30:00 AM	1			1431	12:36:21	28.62	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	GOLD	1:30:00 PM	1			1432.2	14:17:20	14.322	Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/31/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDUSD	11:30:00 AM	1			0.66073	12:51:41	0.0066073	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCAD	11:30:00 AM	1			1.31436	12:27:25	0.131436	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCAD	1:30:00 PM	1			1.31405	15:22:46	0.210248	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCAD	3:30:00 PM	1	1.314223333	18399.127		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

7/31/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	XAUUSD	9:30:00 AM	1			1424.7	10:11:44	71.235	Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



7/31/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
7/31/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AXP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#BAC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	#S	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/1/2019	#TRV	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	#TSCO	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#TSCO	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#TSCO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	#TSLA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	#TWTR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#TWTR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	#UBS	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/1/2019	#UBS	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	#UL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	#UPS	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	#UTX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	#V	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#V	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	#XOM	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#XOM	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/1/2019	#YHOO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#ZNGA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	#ZNGA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	#ZNGA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	AUDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	AUDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	AUDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	AUDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	AUDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	AUDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	AUDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	AUDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/1/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADJPY	1:30:00 PM	1			1.1113	15:09:59	0.166695	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/1/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURCHF	9:30:00 AM	1			1.10065	10:47:18	0.0110065	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURGBP	9:30:00 AM	1			0.91	9:39:51	0.091	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURGBP	11:30:00 AM	1			1.22493	11:52:17	0.0367479	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURGBP	1:30:00 PM	1			1.11992	14:00:40	0.0111992	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURJPY	9:30:00 AM	1			1.3219	9:42:14	0.013219	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURJPY	1:30:00 PM	1			15.833	15:15:40	18.52461	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURJPY.fx	1:30:00 PM	1			120.442	13:32:32	1.20442	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURUSD	9:30:00 AM	1			1.10411	9:33:27	0.0110411	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURUSD	11:30:00 AM	1			1.10472	11:37:19	0.0110472	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURUSD	1:30:00 PM	1			1.12013	14:01:43	0.0112013	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURUSD.fx	9:30:00 AM	1			1.10488	9:42:35	0.0110488	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURUSD.fx	11:30:00 AM	1			1.10454	11:34:30	0.0110454	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURUSD.fx	1:30:00 PM	1			1.10346	13:33:33	0.0110346	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPAUD	11:30:00 AM	1			1.76777	12:02:08	0.0353554	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	GBPAUD	1:30:00 PM	1			1.76777	13:55:24	0.0353554	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPCHF.fx	11:30:00 AM	1			132.79	11:42:42	1.3279	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/1/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPJPY	11:30:00 AM	1			132.245	11:42:22	15.8694	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPJPY	1:30:00 PM	1			1.20822	14:03:44	0.0120822	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPUSD	9:30:00 AM	1			1.21242	10:35:27	0.0121242	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPUSD	11:30:00 AM	1			1.21155	11:53:30	0.121155	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPUSD	1:30:00 PM	1			1.21175	13:45:53	0.121175	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPUSD.fx	11:30:00 AM	1			1.21159	11:55:12	0.0121159	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GOLD	9:30:00 AM	1			1406.95	10:22:45	14.0695	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GOLD	11:30:00 AM	1			1405.36	12:03:00	14.0536	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GOLD	1:30:00 PM	1			1405.36	14:12:01	14.0536	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/1/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDUSD.fx	9:30:00 AM	1			105.148	10:49:49	1.05148	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDUSD.fx	11:30:00 AM	1			106.082	13:19:25	21.2164	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCAD	9:30:00 AM	1			0.70024	10:35:06	0.70024	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCAD	11:30:00 AM	1			1.32084	12:25:08	0.0132084	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCAD	1:30:00 PM	1			1.32267	14:15:10	1.6930176	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCAD.fx	9:30:00 AM	1			1.32093	9:42:11	0.0132093	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	USDCAD.fx	1:30:00 PM	1			1.32156	13:41:04	0.0132156	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCHF.fx	9:30:00 AM	1			0.99697	9:39:02	0.0099697	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDJPY	1:30:00 PM	1			54.73	14:33:27	13.6825	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDJPY.fx	9:30:00 AM	1			109.112	10:52:56	1.09112	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/1/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/1/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	XAUUSD	11:30:00 AM	1			1.21536	13:13:44	0.0121536	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/1/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/1/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/2/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/2/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/2/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/2/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/2/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/2/2019	#BP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	#BP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/2/2019	#C	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/2/2019	#CHL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	#CHL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	#CHL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/2/2019	#CSCO	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	#CSCO	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/2/2019	#CSCO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/2/2019	#CVX	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	#CVX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/2/2019	#DD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	#DD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	#DD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	#DIS	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/2/2019	#DWDP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/2/2019	#FCX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/2/2019	#FDX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/2/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/2/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDUSD	11:30:00 AM	1	0.682625	481250.63		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDUSD	1:30:00 PM	1			1.09303	14:00:05	0.0437212	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDUSD.fx	9:30:00 AM	1			0.68075	10:34:27	0.0068075	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDUSD.fx	11:30:00 AM	1			0.67994	11:42:03	0.0067994	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDUSD.fx	1:30:00 PM	1			0.67917	15:16:34	0.0067917	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	BCHUSD	9:30:00 AM	1			320.15	10:21:59	67.2315	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	CHFCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/2/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURGBP	1:30:00 PM	1	0.91603	9.1603		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURJPY	9:30:00 AM	1			119.592	9:41:19	1.19592	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURJPY	1:30:00 PM	1			118.56	15:14:15	59.28	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURJPY	3:30:00 PM	1	118.394	10537066		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURJPY.fx	9:30:00 AM	1			118.676	11:07:53	2.37352	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	EURJPY.fx	3:30:00 PM	1	118.676	237352		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURNZD	1:30:00 PM	1			1.70173	14:50:23	0.0170173	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURUSD	9:30:00 AM	1			1.10935	10:25:14	0.044374	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURUSD	11:30:00 AM	1			1.11055	11:59:39	0.0555275	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURUSD	1:30:00 PM	1			1.10974	13:50:14	0.0221948	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURUSD	3:30:00 PM	1	1.10932	24405.04		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURUSD.fx	9:30:00 AM	1			1.11001	11:27:25	0.0111001	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURUSD.fx	11:30:00 AM	1	1.1096775	4438.71		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/2/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPCHF.fx	1:30:00 PM	1			1.19346	13:38:43	0.0119346	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPJPY	9:30:00 AM	1			129.489	9:56:02	1.29489	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPJPY	11:30:00 AM	1			130.614	12:04:43	133.22628	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPJPY	1:30:00 PM	1			129.434	13:50:16	1.29434	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPUSD	9:30:00 AM	1			1.2102	10:54:54	0.12102	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPUSD	11:30:00 AM	1			1.21314	11:41:53	0.0727884	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPUSD	1:30:00 PM	1			1.21106	13:33:40	0.0121106	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	GBPUSD	3:30:00 PM	1	1.213405	24268.1		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPUSD.fx	11:30:00 AM	1	1.21298	4851.92		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPUSD.fx	1:30:00 PM	1			1.21298	13:57:56	0.0121298	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GOLD	9:30:00 AM	1			1434.53	10:04:29	14.3453	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GOLD	11:30:00 AM	1			1436.33	13:24:43	14.3633	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GOLD	1:30:00 PM	1			1436.21	15:18:08	14.3621	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDCHF.fx	11:30:00 AM	1			0.66059	11:54:00	0.0132118	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/2/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDUSD	9:30:00 AM	1			0.68075	10:34:27	0.0068075	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDUSD	1:30:00 PM	1			0.6521	15:18:52	0.006521	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCAD	9:30:00 AM	1			1.32192	10:13:02	0.132192	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCAD	1:30:00 PM	1			54.86	15:10:56	10.972	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCAD	3:30:00 PM	1	1.324412	9270.884		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCAD.fx	9:30:00 AM	1			1.32246	11:20:52	0.132246	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCAD.fx	11:30:00 AM	1			1.12816	12:10:35	0.225632	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCAD.fx	1:30:00 PM	1			1.32223	14:45:01	0.0264446	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCHF.fx	1:30:00 PM	1			0.98407	15:14:30	0.0295221	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDJPY	1:30:00 PM	1			106.8	15:14:16	1.068	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDJPY	3:30:00 PM	1	106.924	1176164		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDJPY.fx	9:30:00 AM	1			1.63455	10:24:44	0.032691	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDJPY.fx	11:30:00 AM	1			106.958	12:16:32	1.06958	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDJPY.fx	1:30:00 PM	1			106.93	15:13:03	1.0693	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDJPY.fx	3:30:00 PM	1	106.762	320286		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/2/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/2/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/2/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/2/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/3/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BAC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BHP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BHP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	#BIDU	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	#BIDU	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#Bitcoin	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#Bitcoin	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#Bitcoin	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	#Bitcoin	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	#BK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BLT	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	#BP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	#BP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#BTA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	#C	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#C	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#C	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/3/2019	#CAT	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#CAT	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#CAT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	#CHL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#CHL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#CHL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#CL.f	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	#WFC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#WFC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	#WFC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	#WMT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	#XOM	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	#XOM	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#YHOO	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#YHOO	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#YHOO	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#YHOO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#ZNGA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	#ZNGA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	#ZNGA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	AUDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/3/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	BCHUSD	11:30:00 AM	1			340.35	12:32:24	51.0525	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/3/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	CHF MXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHF MXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHF NOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHF NOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHF NOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHF NOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHF NOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHF NOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	CHF NOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHF PLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHF PLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHF PLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHF PLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHF PLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHF PLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHF PLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHF PLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHF SEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHF SEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHF SEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/3/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/3/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/3/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/3/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/3/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/3/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/3/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/3/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/4/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AXP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/4/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/4/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/4/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/4/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/4/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/4/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USD RUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USD RUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USD RUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/4/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/4/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/4/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/4/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/4/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/4/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/4/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/4/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/5/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/5/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/5/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/5/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/5/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/5/2019	#BP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/5/2019	#BP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/5/2019	#C	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/5/2019	#CAT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/5/2019	#CHL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/5/2019	#CMCSA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/5/2019	#DD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/5/2019	#F	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/5/2019	#F	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/5/2019	AUDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDUSD	9:30:00 AM	1			0.67934	11:23:56	3.3967	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDUSD	1:30:00 PM	1			0.67698	14:16:17	3.3984396	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	BCHUSD	9:30:00 AM	1			335.4	11:26:44	16.77	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADCHF	1:30:00 PM	1			0.73817	14:50:28	0.0073817	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADJPY	9:30:00 AM	1			0.67537	10:32:16	0.3714535	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A





8/5/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURAUD	1:30:00 PM	1			1.65282	15:01:29	0.661128	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURCAD	11:30:00 AM	1			1.46675	11:58:51	0.0146675	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	EURCHF	1:30:00 PM	1			1.08986	14:50:09	0.0108986	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURGBP	11:30:00 AM	1			0.91911	13:16:50	0.0091911	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURGBP.fx	9:30:00 AM	1			0.91522	10:26:30	0.0091522	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURGBP.fx	11:30:00 AM	1			1.09845	13:18:39	0.0109845	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURGBP.fx	1:30:00 PM	1			0.91845	13:56:13	0.0091845	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURJPY	11:30:00 AM	1			118.296	13:28:54	5.9148	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURJPY	1:30:00 PM	1			118.429	15:00:58	11.8429	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURUSD	9:30:00 AM	1			1.11323	9:43:45	0.0111323	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURUSD	11:30:00 AM	1			1.11345	11:51:10	0.111345	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURUSD	1:30:00 PM	1			1.10862	13:38:13	0.055431	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURUSD.fx	11:30:00 AM	1			1.11504	12:45:47	0.0111504	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURUSD.fx	1:30:00 PM	1			1.11628	13:41:25	0.0334884	Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/5/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPCAD	9:30:00 AM	1			1.6019	9:58:44	0.016019	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPCAD	11:30:00 AM	1			1.60175	12:17:52	0.0160175	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPCHF.fx	1:30:00 PM	1			0.89972	15:17:14	0.44986	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPJPY	9:30:00 AM	1			128.28	9:57:41	1.2828	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPJPY	11:30:00 AM	1			128.705	12:20:30	1.28705	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPJPY	1:30:00 PM	1			128.705	13:56:40	1.28705	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	GBPUSD	9:30:00 AM	1			1.21565	9:35:58	0.121565	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPUSD	11:30:00 AM	1			1.21207	11:34:02	0.0121207	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPUSD	1:30:00 PM	1			1.21451	13:35:23	0.121451	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPUSD.fx	11:30:00 AM	1			1.2144	12:45:21	0.012144	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GOLD	9:30:00 AM	1			1447.24	9:33:05	14.4724	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDCAD.fx	11:30:00 AM	1			0.86195	12:24:25	0.0086195	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDCAD.fx	1:30:00 PM	1			0.86195	14:39:07	0.0086195	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/5/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDUSD	9:30:00 AM	1			0.65224	9:59:49	0.0065224	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	SILVER	1:30:00 PM	1			16.27	14:33:07	0.3254	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCAD	9:30:00 AM	1			1.323	10:58:32	0.01323	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCAD	11:30:00 AM	1			1.32364	12:38:43	0.0397092	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCAD	1:30:00 PM	1			1.32265	14:31:42	0.026453	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCHF.fx	9:30:00 AM	1			0.98947	10:46:18	0.0098947	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCHF.fx	11:30:00 AM	1			1.24336	11:46:40	0.0124336	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCHF.fx	1:30:00 PM	1			0.97496	13:37:42	0.0097496	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDJPY	11:30:00 AM	1			105.974	12:27:14	1.05974	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDJPY.fx	11:30:00 AM	1			105.891	11:37:40	1.05891	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/5/2019	USDJPY.fx	1:30:00 PM	1			106.014	13:40:04	1.06014	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/5/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/5/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/5/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/5/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/5/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/5/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/5/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/5/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/6/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/6/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/6/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/6/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/6/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/6/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	#BAC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/6/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/6/2019	#BIDU	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/6/2019	#CVX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/6/2019	#YHOO	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/6/2019	#ZNGA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	#ZNGA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	#ZNGA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	#ZNGA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/6/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/6/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/6/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDUSD	9:30:00 AM	1			0.67698	9:48:43	3.3984396	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDUSD.fx	1:30:00 PM	1			0.67837	13:55:07	0.0067837	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	BCHUSD	11:30:00 AM	1			347.12	12:53:18	48.5968	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	BCHUSD	1:30:00 PM	1			354.17	14:26:27	46.0421	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/6/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURAUD	9:30:00 AM	1			1.65071	10:14:10	0.0165071	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURAUD	1:30:00 PM	1			1506.95	14:43:58	60.278	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURGBP	9:30:00 AM	1			0.91952	11:29:17	0.0091952	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURGBP	1:30:00 PM	1			0.91952	13:51:44	0.0091952	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURGBP.fx	9:30:00 AM	1			0.92073	10:09:14	0.0092073	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURJPY	11:30:00 AM	1			119.531	11:49:11	1.19531	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURJPY	1:30:00 PM	1			119.11	14:02:18	3.5733	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURJPY.fx	11:30:00 AM	1			1.12275	13:01:23	0.0112275	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURNZD	11:30:00 AM	1			1.71507	12:57:49	0.1029042	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/6/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURUSD	9:30:00 AM	1			1.12023	9:48:21	0.112023	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURUSD	1:30:00 PM	1			1.11873	14:51:39	0.111873	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPAUD.fx	1:30:00 PM	1			1.79523	14:22:43	0.0179523	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPCHF.fx	11:30:00 AM	1			1.18661	12:44:52	0.0355983	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPJPY	9:30:00 AM	1			129.479	9:51:02	274.49548	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	GBPJPY	1:30:00 PM	1			129.774	13:58:12	249.16608	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPUSD	9:30:00 AM	1			1.21619	9:51:10	0.121619	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPUSD	11:30:00 AM	1			1.21619	12:14:39	0.121619	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPUSD	1:30:00 PM	1			1.21916	13:57:18	0.0121916	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPUSD.fx	11:30:00 AM	1			1.21438	12:43:54	0.0121438	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GOLD	9:30:00 AM	1			1461.91	9:44:12	116.9528	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GOLD	11:30:00 AM	1			1461.57	12:35:24	14.6157	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GOLD	1:30:00 PM	1			1459.65	13:58:52	14.5965	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/6/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDUSD	9:30:00 AM	1			0.6532	10:18:07	0.006532	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDUSD.fx	11:30:00 AM	1			0.65429	12:14:15	0.0065429	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDUSD.fx	1:30:00 PM	1			0.65469	14:38:12	0.0065469	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	SPX500.i	11:30:00 AM	1			2856.09	11:39:26	2856.09	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	UK100.i	1:30:00 PM	1			7233.35	15:27:17	7233.35	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCAD	9:30:00 AM	1			1.31943	10:30:59	0.0263886	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCAD	11:30:00 AM	1			1.31927	11:58:01	0.0263854	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCAD	1:30:00 PM	1			1.3211	14:49:03	0.039633	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCAD.fx	11:30:00 AM	1			1.31904	11:44:40	0.0131904	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	USDCHF	9:30:00 AM	1			0.97576	10:26:28	0.097576	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDJPY	9:30:00 AM	1			106.467	9:37:03	1.06467	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDJPY	11:30:00 AM	1			106.447	12:52:06	3.19341	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDJPY	1:30:00 PM	1			106.372	13:49:00	5.3186	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/6/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	XAUUSD	9:30:00 AM	1			1462.5	9:43:49	117	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/6/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/6/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AXP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#BAC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	#BIDU	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	#BP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#BP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	#C	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	#DD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	#FB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/7/2019	#IP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	#JCP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	#TSCO	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#TSCO	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#TSCO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#TSLA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#TSLA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#TSLA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#TSLA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	#TWTR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#TWTR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#TWTR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#TWTR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#UBS	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#UBS	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#UBS	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#UBS	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#UL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#UL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#UL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#UL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#UPS	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	#UPS	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#UPS	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	#UTX	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	#UTX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#V	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/7/2019	#V	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#V	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	#VZ	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#WDC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	#WDC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	#WFC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#WFC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	#XOM	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	#XOM	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	AUDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	AUDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/7/2019	AUDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	AUDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	AUDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/7/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	AUDUSD	11:30:00 AM	1			1.10282	11:42:12	0.0330846	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDUSD	1:30:00 PM	1			105.105	14:14:51	1.05105	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	BCHUSD	9:30:00 AM	1			332.68	10:26:05	3.3268	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/7/2019	CHFCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFJPY	11:30:00 AM	1			0.6756	13:15:48	0.006756	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	DAX30.i	9:30:00 AM	1			11656.18	10:36:00	34968.54	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURGBP	11:30:00 AM	1			0.92083	13:09:00	0.092083	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURGBP	1:30:00 PM	1			0.88941	15:05:42	0.0088941	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURGBP.fx	1:30:00 PM	1			0.92249	15:01:46	0.0092249	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURJPY	1:30:00 PM	1			118.677	14:59:12	1.18677	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURJPY.fx	1:30:00 PM	1			118.818	13:50:54	1.18818	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURNZD	11:30:00 AM	1			1.73968	12:17:04	0.1217776	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/7/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURUSD	9:30:00 AM	1			1.12026	9:48:57	0.112026	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURUSD	11:30:00 AM	1			1.1187	12:06:24	0.11187	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURUSD	1:30:00 PM	1			1.25564	13:39:59	0.0125564	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURUSD.fx	1:30:00 PM	1			1.11821	13:44:13	0.0111821	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	GBPCHF	11:30:00 AM	1			1.18726	11:51:46	0.0237452	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPJPY	9:30:00 AM	1			1.2044	10:19:17	0.012044	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPJPY	1:30:00 PM	1			128.834	14:24:04	1.28834	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPUSD	9:30:00 AM	1			1.21604	10:54:41	0.0121604	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPUSD	11:30:00 AM	1			1.21617	11:58:23	0.0121617	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPUSD	1:30:00 PM	1			1.21506	13:39:14	0.0121506	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPUSD.fx	9:30:00 AM	1			1.21659	11:05:10	0.0121659	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	GBPUSD.fx	11:30:00 AM	1			1.30521	11:59:33	1.044168	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GOLD	9:30:00 AM	1	1489.68	2979.36		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GOLD	11:30:00 AM	1			1486.93	12:05:45	44.6079	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GOLD	1:30:00 PM	1			1489.68	15:21:03	29.7936	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/7/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDUSD	9:30:00 AM	1			0.65135	10:15:48	0.065135	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	SPX500.i	9:30:00 AM	1			2881.84	11:01:11	2881.84	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	USDCAD	9:30:00 AM	1			1.32889	11:07:05	0.664445	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCAD	1:30:00 PM	1			1.3316	15:06:14	0.59922	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCAD.fx	1:30:00 PM	1			1.22323	15:02:13	0.0122323	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCHF	9:30:00 AM	1			0.97716	10:52:42	0.097716	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCHF	1:30:00 PM	1			128.834	14:24:04	1.28834	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDJPY	9:30:00 AM	1			106.293	10:58:25	1.06293	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDJPY	1:30:00 PM	1			105.935	14:58:36	1.05935	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDJPY.fx	9:30:00 AM	1			106.311	9:59:02	1.06311	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDJPY.fx	11:30:00 AM	1			106.273	13:01:45	1.06273	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDJPY.fx	1:30:00 PM	1			106.009	14:46:28	1.06009	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDJPY.fx	3:30:00 PM	1	106.0405	212081		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/7/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/7/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	XAUUSD	9:30:00 AM	1			1468.39	9:32:04	29.3678	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	XAUUSD	1:30:00 PM	1			1.24952	15:03:07	0.0124952	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/7/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/7/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/8/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#AXP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/8/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#BP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#C	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	#C	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	#C	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#CAT	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/8/2019	#CMCSA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#CSCO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#CVX	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/8/2019	#CVX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#DD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	#DD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#DIS	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#EBAY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#F	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#FB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	#FB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#FCX	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#FCX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#FDX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#FSLR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	#FSLR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	#FSLR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	#GE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDUSD.fx	1:30:00 PM	1			0.6785	14:09:40	0.006785	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADJPY.fx	1:30:00 PM	1			1.10246	14:48:57	0.0110246	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/8/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/8/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURAUD	1:30:00 PM	1			1.67499	14:48:23	0.669996	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	EURGBP.fx	9:30:00 AM	1			105.312	11:21:09	1.05312	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURGBP.fx	11:30:00 AM	1			0.9229	11:48:30	0.009229	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/8/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURUSD	9:30:00 AM	1			1.12053	9:34:35	0.1344636	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURUSD	11:30:00 AM	1			1.11978	11:40:49	0.0111978	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURUSD	1:30:00 PM	1			1.12023	13:44:04	0.0448092	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURUSD.fx	1:30:00 PM	1			1.11992	14:00:38	0.0111992	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPJPY	9:30:00 AM	1			0.9827	10:02:39	0.009827	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPJPY	11:30:00 AM	1			1.21536	13:13:44	0.0121536	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPJPY	1:30:00 PM	1			129.081	14:05:01	1.29081	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPUSD	9:30:00 AM	1			1.21755	10:15:22	0.0121755	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPUSD	11:30:00 AM	1			1.21711	11:57:21	0.0121711	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPUSD	1:30:00 PM	1			1.21769	14:00:24	0.0608845	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPUSD.fx	1:30:00 PM	1			1.1196	14:01:25	0.033588	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/8/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDCHF.fx	1:30:00 PM	1			129.753	14:12:29	12.9753	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDJPY.fx	1:30:00 PM	1			1.11264	14:49:02	0.0111264	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDUSD.fx	1:30:00 PM	1			136.87	14:12:26	1.3687	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCAD	11:30:00 AM	1			1.31339	13:07:11	0.0131339	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCAD	1:30:00 PM	1			1.3298	13:38:49	0.039894	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDJPY	1:30:00 PM	1			106.12	14:10:59	1.0612	Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/8/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDJPY.fx	1:30:00 PM	1			106.012	14:08:10	1.06012	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	XAUUSD	9:30:00 AM	1			1494.68	9:46:47	29.8936	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/8/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/8/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AXP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BAC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BHP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BHP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BIDU	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	#BIDU	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BIDU	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BIDU	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#Bitcoin	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#Bitcoin	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#Bitcoin	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#Bitcoin	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BLT	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BLT	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BLT	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BLT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/9/2019	#BP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BTA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BTA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	#BTA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#BTA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#C	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#C	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#C	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#C	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/9/2019	#CAT	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#CAT	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#CAT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#CHL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#CHL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#CHL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#CHL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/9/2019	#CL.f	11:30:00 AM	1			52.7	12:11:27	0.527	Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/9/2019	#DWDP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/9/2019	#F	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/9/2019	#FB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/9/2019	#WFC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#WFC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#WFC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#WMT	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#WMT	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#WMT	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#WMT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#XOM	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#XOM	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#XOM	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/9/2019	#XOM	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#YHOO	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#YHOO	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#YHOO	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#YHOO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#ZNGA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#ZNGA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#ZNGA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	#ZNGA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/9/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/9/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/9/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/9/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/9/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/9/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/9/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/9/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDUSD	9:30:00 AM	1			0.67828	10:02:43	0.0067828	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDUSD	11:30:00 AM	1			0.68093	12:11:10	0.0340465	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDUSD.fx	11:30:00 AM	1			0.6808	13:19:50	0.006808	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADMXN	3:30:00 PM	1	14.6978	191071.4		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/9/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURGBP	11:30:00 AM	1			0.92452	11:34:33	0.092452	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURGBP	1:30:00 PM	1			118.223	14:00:00	4.72892	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURGBP.fx	9:30:00 AM	1			0.92247	10:05:34	0.0092247	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURGBP.fx	11:30:00 AM	1			0.92277	13:15:21	0.0092277	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURGBP.fx	1:30:00 PM	1			0.92703	14:11:32	0.0092703	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURJPY.fx	11:30:00 AM	1			118.607	11:50:05	1.18607	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/9/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURUSD	9:30:00 AM	1			1.11899	9:52:22	0.223798	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURUSD	11:30:00 AM	1			1.1198	11:56:14	1.1198	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURUSD	1:30:00 PM	1			1.1203	14:01:18	0.11203	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURUSD	3:30:00 PM	1	1.12058	5602.9		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURUSD.fx	11:30:00 AM	1			1.11983	13:18:58	0.0111983	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURUSD.fx	1:30:00 PM	1			54.16	14:01:26	2.708	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	GBPAUD	11:30:00 AM	1			1.77894	11:42:00	0.1067364	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	GBPCHF.fx	1:30:00 PM	1			1.17605	13:34:21	0.0117605	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPJPY	11:30:00 AM	1			128.201	11:38:16	128.201	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPJPY	1:30:00 PM	1			136.87	14:12:26	1.3687	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPJPY.fx	11:30:00 AM	1			128.754	13:19:35	1.28754	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPUSD	9:30:00 AM	1			1.21262	11:03:22	0.121262	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPUSD	11:30:00 AM	1			1.20975	11:32:11	0.0120975	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPUSD	1:30:00 PM	1			1.20945	13:58:27	0.0120945	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPUSD.fx	1:30:00 PM	1			1.21439	14:00:59	0.0121439	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GOLD	9:30:00 AM	1			1508.36	9:32:06	30.1672	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GOLD	1:30:00 PM	1			1502.2	14:34:51	15.022	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/9/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDUSD	9:30:00 AM	1			0.6545	9:43:23	0.01309	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDUSD	11:30:00 AM	1			0.6483	12:47:34	0.006483	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	SILVER	9:30:00 AM	1			16.75	9:47:43	0.335	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	SPX500.i	11:30:00 AM	1			1525.8	11:39:50	61.032	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCAD	9:30:00 AM	1			1.32889	10:34:03	0.664445	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCAD	11:30:00 AM	1			1.32174	13:28:43	0.0528696	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCAD	1:30:00 PM	1			1.3221	13:55:28	0.066105	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCAD	3:30:00 PM	1	1.32383125	239613.46		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCAD.fx	1:30:00 PM	1			1.32095	15:25:46	0.0396285	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCHF	9:30:00 AM	1			0.97348	10:02:33	0.0194696	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCHF	11:30:00 AM	1			0.97322	12:16:19	0.048661	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/9/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDJPY	11:30:00 AM	1			1.11993	12:15:47	0.0111993	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDJPY	1:30:00 PM	1			105.815	13:45:17	2.1163	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDJPY.fx	1:30:00 PM	1			106.072	13:32:33	1.06072	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/9/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	XAUUSD	11:30:00 AM	1			1482.79	12:42:33	14.8279	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/9/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AXP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/10/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADDDK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADDDK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADDDK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADDDK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/10/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/10/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/10/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/10/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/10/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/10/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	CHFCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/10/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/10/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/10/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/10/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/10/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/10/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/10/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/10/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/10/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/10/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/10/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USD RUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USD RUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USD RUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USD RUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USD SGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USD SGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USD SGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USD SGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USD SGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USD SGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/10/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/10/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/10/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	AUDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	BCHUSD	1:30:00 PM	1			0.96846	14:19:05	0.0096846	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/11/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/11/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	CHF MXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF MXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF MXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF NOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF NOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF NOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF NOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF NOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF NOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF NOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF NOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF PLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF PLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF PLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF PLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF PLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF PLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF PLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF PLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF SEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHF SEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



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8/11/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/11/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/11/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/11/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/11/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/11/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/12/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#AXP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	#BHP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	#BHP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	#BIDU	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	#Bitcoin	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	#BK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#BK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	#BP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/12/2019	#BP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	#C	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	#C	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	#CL.f	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/12/2019	#WMT	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#WMT	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#WMT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	#XOM	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#XOM	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#XOM	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#XOM	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#YHOO	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#YHOO	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#YHOO	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#YHOO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#ZNGA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#ZNGA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#ZNGA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	#ZNGA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/12/2019	AUDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	AUDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	AUDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/12/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	AUDUSD.fx	1:30:00 PM	1			0.67475	14:55:54	0.0067475	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADJPY	9:30:00 AM	1			79.626	11:06:35	0.79626	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADJPY	11:30:00 AM	1			1.23965	11:48:19	0.0123965	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/12/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURGBP	9:30:00 AM	1			1.21534	10:13:10	0.2552214	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURGBP	11:30:00 AM	1			0.92617	11:58:11	0.3612063	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURJPY	9:30:00 AM	1			118.008	10:13:21	1.18008	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/12/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURUSD	9:30:00 AM	1			105.827	10:03:42	1.05827	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURUSD	11:30:00 AM	1			1.22714	11:48:42	0.122714	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURUSD	1:30:00 PM	1			1.11939	13:34:37	0.1455207	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURUSD.fx	11:30:00 AM	1			1.11943	13:28:49	0.1679145	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/12/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPUSD	9:30:00 AM	1			1.20568	10:05:28	0.0241136	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPUSD	11:30:00 AM	1			1.20613	11:48:46	0.0120613	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPUSD	1:30:00 PM	1			1.20848	13:58:37	0.0483392	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPUSD.fx	11:30:00 AM	1			1.20617	11:43:56	0.0120617	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPUSD.fx	1:30:00 PM	1			1.20675	14:02:28	0.0120675	Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/12/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GOLD	9:30:00 AM	1			1489.66	10:57:49	14.8966	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GOLD	11:30:00 AM	1			1499.13	11:46:15	14.9913	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GOLD	1:30:00 PM	1			1504.33	15:06:25	15.0433	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDJPY	1:30:00 PM	1			67.804	14:45:23	33.902	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDUSD	11:30:00 AM	1			0.645	12:02:23	0.0387	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	SPX500.i	11:30:00 AM	1			2913	11:36:18	2913	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCAD	9:30:00 AM	1			1.32066	11:04:13	0.0132066	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCAD	11:30:00 AM	1			1.32125	12:27:53	0.0132125	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	USDCAD	1:30:00 PM	1			1.3247	14:24:48	0.079482	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCAD.fx	11:30:00 AM	1			1.32355	12:44:07	0.0132355	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCHF	9:30:00 AM	1			0.97261	10:22:32	0.3695918	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCHF	1:30:00 PM	1			0.97246	14:35:29	0.097246	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/12/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDJPY	11:30:00 AM	1			105.343	11:43:37	1.05343	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDJPY.fx	9:30:00 AM	1			1.11017	11:21:06	0.555085	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDJPY.fx	11:30:00 AM	1			105.36	11:40:12	1.0536	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDJPY.fx	1:30:00 PM	1			105.194	14:14:44	1.05194	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/12/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/12/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AXP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/13/2019	#WDC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/13/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/13/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/13/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	DAX30.i	11:30:00 AM	1			11647.99	11:42:32	34943.97	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURAUD	9:30:00 AM	1			1.65744	10:21:28	0.0165744	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURCAD	9:30:00 AM	1			1.46793	10:22:23	0.0146793	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURCAD.fx	9:30:00 AM	1			1.48403	10:47:50	0.0148403	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURCAD.fx	11:30:00 AM	1			1.48403	11:38:25	0.0148403	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURJPY	9:30:00 AM	1			117.752	10:42:47	58.876	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURJPY	11:30:00 AM	1			117.811	12:59:54	1.17811	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/13/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	EURNZD	9:30:00 AM	1			1.73752	10:22:11	0.0173752	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURNZD	1:30:00 PM	1			1.73752	14:06:02	0.0173752	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURUSD	9:30:00 AM	1			1.1198	9:58:51	0.011198	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURUSD	11:30:00 AM	1			1.11911	11:40:27	0.223822	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURUSD	1:30:00 PM	1			1.12167	14:02:30	0.0560835	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURUSD	3:30:00 PM	1	1.1207	3362.1		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	EURUSD.fx	1:30:00 PM	1			1.12151	14:07:19	0.0112151	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPCHF.fx	11:30:00 AM	1			1.17013	12:24:40	0.0117013	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPJPY	1:30:00 PM	1			127.022	13:50:47	1.27022	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/13/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPUSD	9:30:00 AM	1			1.20808	9:32:38	0.0241616	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPUSD	11:30:00 AM	1			1.20755	13:12:11	0.0120755	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPUSD.fx	11:30:00 AM	1			1.20699	11:54:37	0.0120699	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPUSD.fx	1:30:00 PM	1			1.20902	15:09:24	0.0241804	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GOLD	9:30:00 AM	1			1521.35	9:56:47	15.2135	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GOLD	11:30:00 AM	1			1526.88	12:14:16	15.2688	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GOLD	1:30:00 PM	1			1528.83	13:49:10	30.5766	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	GOLD	3:30:00 PM	1	1524.48	3048.96		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDMXN	3:30:00 PM	1	12.63	4167900		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDUSD	1:30:00 PM	1			0.6435	15:20:46	0.33462	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDUSD	3:30:00 PM	1	0.64295	642.95		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCAD	9:30:00 AM	1			1.32488	9:57:04	0.1722344	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCAD	11:30:00 AM	1			1.32633	12:19:09	0.0132633	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCAD	1:30:00 PM	1			105.966	14:39:51	1.05966	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCAD	3:30:00 PM	1	1.32575	1325.75		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCHF	11:30:00 AM	1			0.97032	12:18:54	0.194064	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCHF.fx	11:30:00 AM	1			105.9	12:43:44	1.059	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCHF.fx	1:30:00 PM	1			0.96846	14:19:05	0.0096846	Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/13/2019	USDCHF.fx	3:30:00 PM	1	0.96806	968.06		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDJPY	9:30:00 AM	1			105.255	10:48:52	1.05255	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDJPY	11:30:00 AM	1			105.255	11:38:59	1.05255	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDJPY	1:30:00 PM	1			105.1	14:39:03	1.051	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDJPY.fx	9:30:00 AM	1			105.477	10:49:47	1.05477	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	USDJPY.fx	11:30:00 AM	1			1.12923	12:51:02	0.0112923	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDJPY.fx	1:30:00 PM	1			105.188	13:38:41	1.05188	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USD RUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USD RUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USD RUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USD RUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/13/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/13/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/13/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/14/2019	AUDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDUSD	9:30:00 AM	1			1.22603	10:01:47	0.0613015	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDUSD	11:30:00 AM	1			0.67752	11:32:05	0.0067752	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDUSD	1:30:00 PM	1			0.67642	14:36:59	0.0067642	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDUSD	3:30:00 PM	1	0.67752	677.52		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDUSD.fx	9:30:00 AM	1			0.67947	10:15:06	0.0135894	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDUSD.fx	11:30:00 AM	1			0.67517	13:25:32	0.0067517	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDUSD.fx	1:30:00 PM	1			1.21175	13:45:53	0.121175	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/14/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/14/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/14/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/14/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFSEK	9:30:00 AM	1			9.7529	10:30:17	0.877761	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURCAD	1:30:00 PM	1			1.48694	14:49:35	0.0148694	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURCHF	9:30:00 AM	1			1.09244	10:38:58	0.1420172	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURCHF	1:30:00 PM	1			1.089	14:31:02	0.03267	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURGBP	11:30:00 AM	1			0.92681	11:37:18	0.092681	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURGBP	1:30:00 PM	1			1.23378	13:32:04	0.0123378	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/14/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURJPY	11:30:00 AM	1			105.825	12:12:17	1.05825	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURJPY	1:30:00 PM	1			119.112	14:33:04	1.19112	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURNZD.fx	9:30:00 AM	1			1.73358	11:20:07	0.0346716	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURNZD.fx	11:30:00 AM	1			128.242	12:28:39	1.28242	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURSEK	9:30:00 AM	1			10.6727	10:30:02	725.7436	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURUSD	9:30:00 AM	1			1.21154	9:56:32	0.0121154	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURUSD	11:30:00 AM	1			1.1174	12:05:43	0.011174	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURUSD.fx	1:30:00 PM	1			1.11864	15:12:27	0.0111864	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPAUD	11:30:00 AM	1			1.7854	12:24:22	0.017854	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPAUD	1:30:00 PM	1			1.7854	15:14:10	0.017854	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPCAD	11:30:00 AM	1			0.99011	13:13:49	0.0099011	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPCHF	11:30:00 AM	1			1.16976	11:51:29	0.233952	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPCHF.fx	11:30:00 AM	1			1.17584	11:52:33	0.0235168	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPHKD	1:30:00 PM	1			9.4965	14:01:12	0.94965	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPJPY	9:30:00 AM	1			128.373	10:38:20	15.40476	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPJPY	1:30:00 PM	1			127.808	14:43:00	39.62048	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/14/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPUSD	11:30:00 AM	1			1.20319	11:51:39	0.240638	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPUSD	1:30:00 PM	1			1.2091	13:43:09	0.12091	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPUSD.fx	11:30:00 AM	1			1.20651	12:06:36	0.0241302	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPUSD.fx	1:30:00 PM	1			1.21097	14:40:37	0.0242194	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GOLD	9:30:00 AM	1			1.10524	10:06:29	0.0221048	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GOLD	11:30:00 AM	1			1500.53	12:40:37	15.0053	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GOLD	1:30:00 PM	1			1500.17	14:02:56	15.0017	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDUSD	9:30:00 AM	1			0.6449	10:19:26	0.045143	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	NZDUSD	11:30:00 AM	1			0.64515	11:53:33	0.0064515	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDUSD	1:30:00 PM	1			0.64338	13:53:37	0.1994478	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCAD	9:30:00 AM	1			1.32307	9:53:29	0.264614	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCAD	11:30:00 AM	1			1.3225	12:14:45	0.013225	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCAD	1:30:00 PM	1			1.24465	13:54:58	0.124465	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/14/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCHF	11:30:00 AM	1			1.25236	12:58:37	0.250472	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCHF	1:30:00 PM	1			0.97527	14:04:25	0	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDJPY	11:30:00 AM	1			106.467	12:11:14	26.61675	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDJPY	1:30:00 PM	1			1.24169	13:54:38	0.248338	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDJPY.fx	1:30:00 PM	1			106.006	14:35:51	1.06006	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/14/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/14/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	XAUUSD	1:30:00 PM	1			1502.65	14:17:35	15.0265	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/14/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/15/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BAC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/15/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BHP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BHP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BIDU	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BIDU	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BIDU	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BIDU	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#Bitcoin	9:30:00 AM	1			9639.27	10:13:25	96.3927	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#Bitcoin	11:30:00 AM	1			10101.29	13:13:43	202.0258	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#Bitcoin	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#Bitcoin	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	#BK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BLT	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BLT	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BLT	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BLT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/15/2019	#BP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BTA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BTA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BTA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#BTA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#C	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#C	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#C	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#C	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	#CAT	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	#VZ	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	#WDC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	#WFC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	#YHOO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	AUDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	AUDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/15/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/15/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/15/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/15/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/15/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADSEK	9:30:00 AM	1			7.232	11:00:08	3.47136	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	CHFCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFUSD	9:30:00 AM	1			9.2049	11:01:00	2.025078	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFSEK	9:30:00 AM	1			134.428	11:00:04	2.68856	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	CHFZAR	9:30:00 AM	1			15.6263	9:39:27	0.937578	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	DAX30.i	9:30:00 AM	1			11527.87	10:47:19	34583.61	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURGBP	9:30:00 AM	1			1494.31	11:29:52	74.7155	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURGBP	11:30:00 AM	1			1.31331	12:18:00	0.0131331	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURGBP	1:30:00 PM	1			1.21857	14:44:58	0.1096713	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURGBP.fx	9:30:00 AM	1			1411.63	10:24:10	28.2326	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURGBP.fx	11:30:00 AM	1			1423.43	11:42:50	28.4686	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURGBP.fx	1:30:00 PM	1			0.92247	13:51:36	0.0092247	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/15/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURNZD	11:30:00 AM	1			0.99002	12:50:20	0.0297006	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURUSD	9:30:00 AM	1			1.11485	9:44:40	0.4570885	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURUSD	11:30:00 AM	1			1.11469	11:32:25	0.0111469	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPCHF	11:30:00 AM	1			1.2326	11:32:44	0.024652	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPCHF.fx	11:30:00 AM	1			1.17584	11:43:21	0.0235168	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPJPY	9:30:00 AM	1			128.572	9:40:22	1.28572	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPJPY	11:30:00 AM	1			128.396	11:46:23	1.28396	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPJPY	1:30:00 PM	1			128.396	14:49:16	1.28396	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPNZD	11:30:00 AM	1			0.9687	12:43:45	0.009687	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/15/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPUSD	9:30:00 AM	1			1.20698	9:46:46	0.0120698	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPUSD	11:30:00 AM	1			1.21015	12:17:29	0.0121015	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPUSD	1:30:00 PM	1			1.2044	14:44:45	0.012044	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	GBPUSD.fx	9:30:00 AM	1			1.20674	10:48:46	0.0241348	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPUSD.fx	11:30:00 AM	1			1.20961	12:21:52	0.0241922	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPUSD.fx	1:30:00 PM	1			1.20961	13:45:54	0.0241922	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GOLD	9:30:00 AM	1			1512	9:35:03	15.12	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GOLD	11:30:00 AM	1			1511.04	12:04:00	15.1104	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GOLD	1:30:00 PM	1			1519.5	13:49:54	15.195	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDCAD	1:30:00 PM	1			0.85755	15:04:48	0.0085755	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDUSD	1:30:00 PM	1			0.64351	14:49:29	0.0064351	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	SPX500.i	1:30:00 PM	1			2854.27	14:33:01	2854.27	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/15/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCAD	9:30:00 AM	1			1.32917	9:47:10	0.0132917	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCAD	1:30:00 PM	1			1.32957	15:01:13	0.2792097	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCAD.fx	9:30:00 AM	1			1.3288	9:38:58	0.013288	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCAD.fx	11:30:00 AM	1			1.33169	12:02:31	0.0133169	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCAD.fx	1:30:00 PM	1			1.3288	13:35:03	0.013288	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCHF.fx	9:30:00 AM	1			0.97485	11:15:21	0.019497	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDJPY	9:30:00 AM	1			105.957	9:38:45	1.05957	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDJPY	11:30:00 AM	1			106.1	11:58:13	1.061	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDJPY.fx	9:30:00 AM	1			105.886	9:35:13	1.05886	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDJPY.fx	11:30:00 AM	1			106.012	12:01:47	1.06012	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDJPY.fx	1:30:00 PM	1			105.866	14:29:33	1.05866	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/15/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/15/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/16/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/16/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	AUDUSD	1:30:00 PM	1			0.67954	14:06:23	0.2786114	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/16/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/16/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/16/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	CHF MXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF NOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF NOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF NOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF NOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF NOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF NOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF NOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF NOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF PLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF PLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF PLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF PLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF PLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF PLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF PLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF PLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF SEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF SEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF SEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHF SEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURAUD	1:30:00 PM	1			1.63203	14:55:53	0.0816015	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURCHF	11:30:00 AM	1			1.08685	12:10:05	0.21737	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURGBP	9:30:00 AM	1			1.10413	10:36:57	0.0220826	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURGBP	11:30:00 AM	1			0.91459	11:55:14	0.0091459	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURGBP	1:30:00 PM	1			0.9125	13:41:12	0.009125	Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/16/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	EURJPY	9:30:00 AM	1			117.879	11:15:19	1.17879	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURJPY	11:30:00 AM	1			117.914	12:34:31	5.8957	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURJPY.fx	11:30:00 AM	1			118.024	12:18:19	2.36048	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURJPY.fx	1:30:00 PM	1			117.802	14:30:56	1.17802	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURUSD	9:30:00 AM	1			1.10958	10:27:24	0.0221916	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURUSD	11:30:00 AM	1			1.1083	11:50:01	0.432237	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURUSD	1:30:00 PM	1			1.12	14:10:19	1.2544	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURUSD.fx	9:30:00 AM	1			1.10965	10:14:45	0.022193	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURUSD.fx	1:30:00 PM	1			1.1078	14:01:17	0.11078	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPCHF	9:30:00 AM	1			1.1849	9:43:24	0.011849	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPJPY	11:30:00 AM	1			129.063	11:57:04	11.61567	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPJPY	1:30:00 PM	1			129.337	14:46:04	1.29337	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPNZD.fx	9:30:00 AM	1			1.88546	11:26:07	0.0377092	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPNZD.fx	11:30:00 AM	1			1.88546	11:53:39	0.0377092	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/16/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPUSD	9:30:00 AM	1			1.21165	9:53:28	0.0848155	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPUSD	11:30:00 AM	1			1.21334	11:34:49	0.0242668	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPUSD	1:30:00 PM	1			1.12226	13:46:01	0.0112226	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPUSD	3:30:00 PM	1	1.21682	25553.22		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPUSD.fx	11:30:00 AM	1			1.21535	13:28:58	0.0121535	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GOLD	9:30:00 AM	1			107.684	9:39:24	1.07684	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	GOLD	11:30:00 AM	1			1.10099	12:16:49	0.0220198	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GOLD	1:30:00 PM	1			1520.68	14:16:44	15.2068	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDJPY	1:30:00 PM	1			68.326	13:34:00	0.68326	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDUSD	9:30:00 AM	1			0.64245	11:02:34	0.0064245	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDUSD	11:30:00 AM	1			0.64509	12:11:07	0.0129018	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/16/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	SPX500.i	1:30:00 PM	1			2877.54	14:02:33	2877.54	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCAD	11:30:00 AM	1			1.32923	12:24:01	0.0664615	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCAD	1:30:00 PM	1			1.32997	14:48:38	0.0265994	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCAD.fx	11:30:00 AM	1			1.33065	11:33:47	0.026613	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCHF	9:30:00 AM	1			0.97947	10:27:20	0.0097947	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCHF	11:30:00 AM	1			0.97947	12:18:25	0.0097947	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCHF	1:30:00 PM	1			0.98063	13:32:51	0.0098063	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDJPY	9:30:00 AM	1			106.185	10:15:42	1.06185	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDJPY	11:30:00 AM	1			106.244	11:57:44	1.06244	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USD RUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USD RUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USD RUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USD RUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/16/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/16/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/16/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	#BIDU	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	AUDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/17/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/17/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFMTN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFMTN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFMTN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFMTN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/17/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/17/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/17/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/17/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/17/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/17/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/18/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/18/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#BAC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/18/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#BHP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#BIDU	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#BLT	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/18/2019	#BLT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	#BP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#BP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#BTA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	#BTA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	#F	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/18/2019	#WDC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/18/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/18/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/18/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/18/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/18/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	GBPUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/18/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/18/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/18/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/18/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/19/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/19/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/19/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/19/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	CHF MXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF MXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF MXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF MXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF NOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF NOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF NOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF NOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF NOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF NOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF NOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF NOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF PLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF PLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF PLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF PLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF PLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF PLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF PLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF PLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHF SEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	DAX30.i	9:30:00 AM	1			1.09735	10:53:26	0.0109735	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/19/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	EURGBP	9:30:00 AM	1			1.09697	11:00:02	0.0219394	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURJPY	9:30:00 AM	1			118.446	11:22:11	119.63046	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURJPY	11:30:00 AM	1			118.353	12:02:09	1.18353	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURJPY	1:30:00 PM	1			118.438	13:56:59	111.33172	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	EURUSD	9:30:00 AM	1			1.10976	10:37:48	0.055488	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURUSD	11:30:00 AM	1			1.11039	12:38:35	0.1443507	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURUSD	1:30:00 PM	1			1.11004	13:42:58	0.111004	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURUSD.fx	9:30:00 AM	1			1.11026	11:06:52	0.0222052	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURUSD.fx	1:30:00 PM	1			1.1103	14:11:27	0.011103	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPCHF.fx	9:30:00 AM	1			1.18594	11:01:52	0.0118594	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPCHF.fx	1:30:00 PM	1			1.18594	13:33:36	0.0118594	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPJPY	9:30:00 AM	1			129.193	10:09:28	1.29193	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/19/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPUSD	9:30:00 AM	1			1.21345	10:10:47	0.0121345	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPUSD	11:30:00 AM	1			1.23493	13:00:01	0.0246986	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPUSD	1:30:00 PM	1			1.21237	14:32:01	0.0121237	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPUSD.fx	9:30:00 AM	1			1.21482	11:00:24	0.0121482	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPUSD.fx	11:30:00 AM	1			1.21176	11:49:58	0.0242352	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GOLD	9:30:00 AM	1			1509.55	9:45:48	15.0955	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GOLD	11:30:00 AM	1			1500.11	12:07:50	15.0011	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GOLD	1:30:00 PM	1			1499.43	13:57:55	14.9943	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDUSD	11:30:00 AM	1			1.21625	12:01:33	0.0121625	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/19/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCAD	11:30:00 AM	1			1.09285	12:01:44	0.021857	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCAD	1:30:00 PM	1			1.33033	13:56:51	0.0133033	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCHF	1:30:00 PM	1			0.98025	14:29:12	0.0098025	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDJPY	9:30:00 AM	1			0.90418	11:09:08	2.71254	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDJPY	11:30:00 AM	1			135.204	11:45:35	18.92856	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDJPY	1:30:00 PM	1			118.438	13:56:59	111.33172	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDSGD	1:30:00 PM	1			1.3844	14:59:52	0.013844	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/19/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/19/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/19/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/19/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/20/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	#AXP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/20/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#BIDU	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#Bitcoin	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#Bitcoin	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#BK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#BK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#BLT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#BP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#BP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#BTA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#C	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#C	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#C	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#C	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#CAT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#CHL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#CSCO	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#CSCO	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#CSCO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#CVX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#DD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#DIS	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/20/2019	#DWDP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	#F	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#F	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#FB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#FB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	#FB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	AUDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	AUDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDNZD	11:30:00 AM	1			1.05787	13:16:39	0.211574	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/20/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDUSD	11:30:00 AM	1			1.10491	13:19:40	0.0110491	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURAUD	9:30:00 AM	1			1.10962	10:00:01	0.0332886	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURAUD	11:30:00 AM	1			1.63436	12:08:05	0.0163436	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/20/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURAUD.fx	11:30:00 AM	1			1.63511	12:15:29	0.0163511	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURCHF	9:30:00 AM	1			1.0986	9:55:18	0.010986	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURCHF	1:30:00 PM	1			1.08524	13:44:41	0.162786	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURGBP	9:30:00 AM	1			0.92441	11:21:33	0.092441	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURJPY	11:30:00 AM	1			117.828	13:24:23	58.914	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURUSD	9:30:00 AM	1			1.10764	9:59:01	1.10764	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURUSD	11:30:00 AM	1			1.10799	12:01:16	0.0221598	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURUSD	1:30:00 PM	1			1.10747	14:34:03	0.0110747	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURUSD	3:30:00 PM	1	1.10816	55408		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURUSD.fx	9:30:00 AM	1			1.1103	10:10:50	0.011103	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPCHF	9:30:00 AM	1			1.18812	10:55:52	0.1425744	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPCHF	11:30:00 AM	1			1.18413	12:55:22	0.236826	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	GBPCHF	1:30:00 PM	1			1.18268	13:42:38	0.0236536	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/20/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPJPY	9:30:00 AM	1			128.815	10:02:28	1.28815	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPJPY	11:30:00 AM	1			129.122	13:13:18	285.35962	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPUSD	9:30:00 AM	1			1.21085	9:54:09	0.0121085	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPUSD	11:30:00 AM	1			1.21245	11:54:41	0.0363735	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPUSD	1:30:00 PM	1			1.20716	14:06:17	0.1448592	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GOLD	9:30:00 AM	1			1498.09	10:02:06	134.8281	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GOLD	11:30:00 AM	1			1501.37	11:39:47	15.0137	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GOLD	1:30:00 PM	1			1.11936	14:02:00	0.0335808	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDJPY	11:30:00 AM	1			1.105	13:20:55	0.01105	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/20/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDUSD	11:30:00 AM	1			0.64035	13:19:05	0.0064035	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	USDCAD	11:30:00 AM	1			0.98082	13:21:08	0.49041	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCAD	1:30:00 PM	1			1.33275	15:02:56	0.2798775	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCAD.fx	11:30:00 AM	1			1.33247	13:17:45	0.0133247	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCHF	1:30:00 PM	1			0.97924	13:44:20	0.0097924	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCHF.fx	9:30:00 AM	1			0.98034	9:55:24	0.0098034	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDJPY	11:30:00 AM	1			106.345	12:16:23	1.06345	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDJPY	1:30:00 PM	1			106.344	13:37:47	21.2688	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/20/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/20/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/20/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/21/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/21/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/21/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BHP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BHP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BIDU	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BIDU	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BIDU	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BIDU	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#Bitcoin	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	#Bitcoin	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#Bitcoin	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	#BK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BLT	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	#BLT	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BLT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BTA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	#BTA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	#BTA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	#CVX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/21/2019	#V	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	#VZ	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	#WDC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	#WFC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	AUDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/21/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	CADJPY	1:30:00 PM	1			80.086	14:09:31	0.80086	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADJPY	3:30:00 PM	1	80.086	80086		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFJPY.fx	9:30:00 AM	1			108.857	10:36:46	1.08857	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFJPY.fx	11:30:00 AM	1			108.857	11:50:31	1.08857	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/21/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURAUD	1:30:00 PM	1			1.63526	14:36:46	0.245289	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURCHF	11:30:00 AM	1			1.08524	12:48:29	0.162786	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURJPY	11:30:00 AM	1			118.262	11:37:46	1.18262	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURNZD.fx	1:30:00 PM	1			1.73126	14:34:31	0.0173126	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURUSD	9:30:00 AM	1			1.10928	9:57:18	0.110928	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURUSD	11:30:00 AM	1			1.10962	11:54:42	0.055481	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURUSD	1:30:00 PM	1			1.11012	13:54:28	0.111012	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/21/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPJPY	11:30:00 AM	1			132.245	11:42:22	15.8694	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPUSD	9:30:00 AM	1			1.11369	9:59:34	2.22738	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPUSD	11:30:00 AM	1			1.21491	12:04:41	0.0850437	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPUSD	1:30:00 PM	1			1.12151	14:07:22	0.0112151	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GOLD	9:30:00 AM	1			1.10087	10:17:31	0.1651305	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GOLD	11:30:00 AM	1			1498.33	11:53:59	29.9666	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDCAD	3:30:00 PM	1	0.85213	27268.16		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/21/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDUSD.fx	9:30:00 AM	1			0.64035	11:24:04	0.0064035	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCAD	1:30:00 PM	1			1.33275	13:37:16	0.2798775	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCAD	3:30:00 PM	1	1.329163333	14226035		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCAD.fx	1:30:00 PM	1			1.33247	14:48:01	0.0133247	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCHF	11:30:00 AM	1			1.10848	12:31:00	0.27712	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCHF	1:30:00 PM	1			0.97928	14:08:44	0.0097928	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCHF.fx	9:30:00 AM	1			0.97885	10:27:14	0.019577	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDMXN	1:30:00 PM	1			19.695	15:06:52	0.19695	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/21/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	XAUUSD	1:30:00 PM	1			1499.73	14:51:56	14.9973	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/21/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/21/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/22/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/22/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/22/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/22/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/22/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/22/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/22/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/22/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	DAX30.i	9:30:00 AM	1			11797.26	11:27:15	58986.3	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURAUD	9:30:00 AM	1			1499.32	11:01:58	29.9864	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURAUD	11:30:00 AM	1			1.23493	13:00:01	0.0246986	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURAUD	1:30:00 PM	1			1.23393	13:59:08	0.123393	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURAUD.fx	9:30:00 AM	1			0.98415	11:02:10	0.098415	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURCAD.fx	11:30:00 AM	1			1.47487	12:22:08	0.0294974	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURCHF	9:30:00 AM	1			1.09138	10:58:58	0.0109138	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURCHF	11:30:00 AM	1			1.09138	11:45:43	0.0109138	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURGBP	1:30:00 PM	1			0.91283	13:49:29	0.0091283	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURJPY	11:30:00 AM	1			117.807	12:37:39	11.7807	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURJPY.fx	11:30:00 AM	1			117.989	12:08:00	2.35978	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURUSD	9:30:00 AM	1			1.108	9:56:50	0.1108	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURUSD	11:30:00 AM	1			1.11083	12:07:26	0.0333249	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURUSD	1:30:00 PM	1			1.10742	13:47:15	0.2436324	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURUSD.fx	1:30:00 PM	1			1.10763	14:33:06	0.0110763	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/22/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPJPY	1:30:00 PM	1			129.618	15:17:03	66.10518	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPUSD	9:30:00 AM	1			1.21211	9:38:56	0.3757541	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPUSD	11:30:00 AM	1			1.2146	11:39:41	0.085022	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPUSD	1:30:00 PM	1			1.21224	14:22:40	0.121224	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPUSD.fx	9:30:00 AM	1			1.21173	10:18:32	0.0121173	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPUSD.fx	1:30:00 PM	1			1.21173	14:19:43	0.0121173	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GOLD	11:30:00 AM	1			1500.89	12:22:13	15.0089	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GOLD	1:30:00 PM	1			1496.42	14:45:05	29.9284	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/22/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDUSD	1:30:00 PM	1			0.638	14:27:41	0.00638	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCHF.fx	9:30:00 AM	1			134.852	10:15:15	1.34852	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCHF.fx	1:30:00 PM	1			106.372	13:49:00	5.3186	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDJPY	9:30:00 AM	1			106.344	9:44:13	21.2688	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/22/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/22/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/22/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/22/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/22/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/22/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/22/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/22/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/22/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/23/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/23/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/23/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/23/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/23/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/23/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/23/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/23/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/23/2019	#BP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/23/2019	#C	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/23/2019	#CHL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/23/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/23/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/23/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/23/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/23/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDUSD	9:30:00 AM	1			0.67589	10:13:12	0.0202767	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDUSD	1:30:00 PM	1			0.67595	15:03:47	0.0067595	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDUSD.fx	9:30:00 AM	1			0.67518	10:01:44	0.0067518	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDUSD.fx	1:30:00 PM	1			1.24727	15:00:38	0.124727	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/23/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/23/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/23/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/23/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	CHFCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFJPY.fx	11:30:00 AM	1			107.996	11:56:59	2.15992	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFJPY.fx	1:30:00 PM	1			107.996	15:15:27	2.15992	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/23/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURGBP	9:30:00 AM	1			0.90691	10:07:10	0.0181382	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURGBP	11:30:00 AM	1			0.9065	12:16:22	0.009065	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURGBP.fx	9:30:00 AM	1			0.90691	9:54:20	1.81382	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURGBP.fx	11:30:00 AM	1			1.25661	11:47:49	0.3895491	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURGBP.fx	1:30:00 PM	1			0.905	13:55:45	0.905	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURUSD	9:30:00 AM	1			1.10686	10:00:22	2.21372	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURUSD	11:30:00 AM	1			1.1066	12:26:58	0.11066	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURUSD	1:30:00 PM	1			1.10574	13:45:40	0.055287	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURUSD.fx	9:30:00 AM	1			1.10694	11:00:58	0.0110694	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURUSD.fx	11:30:00 AM	1			1.1062	12:42:49	0.011062	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURUSD.fx	1:30:00 PM	1			1.10598	14:35:52	0.110598	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/23/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPCHF.fx	11:30:00 AM	1			1.20531	13:04:20	0.0241062	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPJPY	9:30:00 AM	1			1.12668	10:34:05	0.0112668	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPUSD	9:30:00 AM	1			1.22023	10:56:35	0.0366069	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPUSD	11:30:00 AM	1			0.75373	12:09:21	0.0075373	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPUSD	1:30:00 PM	1			1.22316	15:00:12	0.0366948	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GOLD	9:30:00 AM	1			1494.68	9:46:47	29.8936	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GOLD	1:30:00 PM	1			1496.07	15:14:36	14.9607	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDCHF	9:30:00 AM	1			0.62779	10:07:00	0.0439453	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/23/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDUSD	11:30:00 AM	1			0.64621	12:34:49	0.0129242	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDUSD.fx	11:30:00 AM	1			0.63846	11:57:29	0.0127692	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCAD	1:30:00 PM	1			1.3327	15:00:54	0.026654	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCAD.fx	1:30:00 PM	1			1.33257	15:12:33	0.0266514	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCHF	1:30:00 PM	1			0.98756	14:03:56	0.049378	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDJPY	9:30:00 AM	1			1.24867	10:03:30	0.0124867	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDJPY	1:30:00 PM	1			106.652	13:36:13	1.06652	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/23/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/23/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	XAUUSD	11:30:00 AM	1			1499.73	11:48:39	14.9973	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/23/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AXP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BAC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BHP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BHP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BIDU	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BIDU	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BIDU	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BIDU	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#Bitcoin	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#Bitcoin	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#Bitcoin	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	#Bitcoin	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	#BK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/24/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	CHF MXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHF MXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHF NOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHF NOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHF NOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	CHF NOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	CHF PLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	CHF PLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHF PLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHF PLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHF PLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHF PLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHF SEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHF SEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHF SEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/24/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/24/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/24/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/24/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USD RUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USD RUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USD RUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USD RUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/24/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/24/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/24/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	#V	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/25/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/25/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/25/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



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8/25/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/25/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/25/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/25/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USD RUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USD RUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USD RUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/25/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/25/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/25/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/26/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/26/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/26/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/26/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/26/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/26/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/26/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/26/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/26/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/26/2019	AUDUSD	9:30:00 AM	1			0.67427	9:56:49	0.0067427	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDUSD	11:30:00 AM	1			105.343	11:43:37	1.05343	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDUSD.fx	9:30:00 AM	1			0.67152	9:56:17	0.0067152	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/26/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/26/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/26/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/26/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/26/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/26/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/26/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURAUD	9:30:00 AM	1			1.21074	9:56:03	0.0242148	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURAUD	11:30:00 AM	1			1.08638	12:00:01	0.0434552	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURAUD	1:30:00 PM	1			118.223	14:00:00	4.72892	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURCAD	11:30:00 AM	1			1.105	13:20:55	0.01105	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	EURCHF	1:30:00 PM	1			1.08927	14:00:02	0.0108927	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURGBP	9:30:00 AM	1			0.70081	11:04:48	0.0280324	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURGBP	11:30:00 AM	1			106.1	11:58:13	1.061	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURJPY	9:30:00 AM	1			117.595	10:57:22	1.17595	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURJPY	1:30:00 PM	1			117.699	15:01:25	1.17699	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURUSD	9:30:00 AM	1			1.11436	10:17:10	0.111436	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURUSD	11:30:00 AM	1			1.09805	11:51:27	0.0549025	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURUSD	1:30:00 PM	1			1.11159	14:27:24	0.111159	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURUSD.fx	9:30:00 AM	1			1.11185	11:04:31	0.022237	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/26/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPJPY	11:30:00 AM	1			129.237	12:47:43	29.72451	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	GBPUSD	9:30:00 AM	1			1.21369	11:14:13	0.0364107	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPUSD	11:30:00 AM	1			1.22421	11:34:56	0.0122421	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GOLD	11:30:00 AM	1			1525.8	11:39:50	61.032	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GOLD	1:30:00 PM	1			1.2108	14:00:47	0.012108	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	GOLD	3:30:00 PM	1	1529.69	1529.69		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDCAD	11:30:00 AM	1			0.84655	11:33:30	0.0084655	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDCHF	9:30:00 AM	1			0.62284	10:30:20	0.0124568	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDCHF	11:30:00 AM	1			0.62303	11:41:34	0.0186909	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/26/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDUSD	9:30:00 AM	1			0.65603	10:54:10	0.065603	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	SPX500.i	1:30:00 PM	1			2869.08	13:57:34	2869.08	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCHF	11:30:00 AM	1			0.97897	13:29:23	0.0097897	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCHF	1:30:00 PM	1			0.97911	13:35:30	0.1174932	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCHF.fx	1:30:00 PM	1			54.91	15:14:14	0.5491	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDJPY.fx	9:30:00 AM	1			105.424	9:58:21	1.05424	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDJPY.fx	11:30:00 AM	1			105.833	11:42:26	1.05833	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/26/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/26/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/26/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	XAUUSD	11:30:00 AM	1			1529.02	12:53:32	15.2902	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/26/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/26/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/27/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/27/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BAC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BHP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BHP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BIDU	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BIDU	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BIDU	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BIDU	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	#Bitcoin	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	#Bitcoin	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#Bitcoin	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BLT	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BLT	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BLT	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BLT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#BP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	#UTX	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#UTX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#V	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#V	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#V	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	#VZ	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/27/2019	#WDC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	#WFC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#WFC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	#WMT	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	#WMT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	#XOM	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	#XOM	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	AUDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/27/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/27/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/27/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURAUD.fx	11:30:00 AM	1			0.89795	13:01:11	0.0089795	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURGBP	9:30:00 AM	1			131.965	9:53:51	22.43405	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURGBP	11:30:00 AM	1			55.39	13:00:15	13.8475	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURGBP	1:30:00 PM	1			0.9048	14:43:48	1.8096	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURGBP.fx	1:30:00 PM	1			0.9048	14:43:48	1.8096	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURJPY	11:30:00 AM	1			117.508	12:44:09	1.17508	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURJPY	1:30:00 PM	1			117.453	14:40:02	3.52359	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/27/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURUSD	9:30:00 AM	1			1.10885	10:00:04	2.2177	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURUSD	11:30:00 AM	1			1.1292	12:47:08	0.05646	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURUSD.fx	9:30:00 AM	1			1.10984	10:53:46	0.3218536	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURUSD.fx	11:30:00 AM	1			1.11125	11:48:34	0.022225	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURUSD.fx	1:30:00 PM	1			1.11053	14:19:25	0.2776325	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPJPY	9:30:00 AM	1			129.337	10:38:30	1.29337	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPJPY	11:30:00 AM	1			129.682	12:02:16	12.9682	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	GBPJPY	1:30:00 PM	1			129.753	14:12:29	12.9753	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPNZD	9:30:00 AM	1			1.92286	11:21:46	0.0192286	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPNZD	11:30:00 AM	1			1.92286	13:16:25	0.0192286	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPUSD	9:30:00 AM	1			1.22269	10:10:21	0.0978152	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPUSD	11:30:00 AM	1			1.22256	11:52:00	0.061128	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPUSD	1:30:00 PM	1			1.22654	13:32:35	0.245308	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPUSD.fx	1:30:00 PM	1			1.22625	14:20:34	0.3065625	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GOLD	9:30:00 AM	1			1534.63	10:13:15	61.3852	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDCAD	9:30:00 AM	1			0.84284	9:54:11	0.0337136	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/27/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCAD	9:30:00 AM	1			1.32983	9:42:44	0.664915	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCAD	11:30:00 AM	1			1.32363	12:56:38	0.0397089	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCAD	1:30:00 PM	1			1.32363	14:39:52	0.0397089	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	USDCHF	9:30:00 AM	1			0.9794	11:04:33	0.029382	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCHF	11:30:00 AM	1			0.98034	11:46:21	0.0098034	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDJPY	9:30:00 AM	1			56.78	10:57:42	0.5678	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDJPY	11:30:00 AM	1			105.729	11:39:18	3.17187	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDJPY.fx	11:30:00 AM	1			105.648	12:02:59	1.05648	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/27/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/27/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/27/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	#AAL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/28/2019	#FB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	#FB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/28/2019	#UTX	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/28/2019	#V	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/28/2019	#WDC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/28/2019	#WFC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	#WFC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/28/2019	#XOM	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/28/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/28/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/28/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/28/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/28/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/28/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/28/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDUSD	9:30:00 AM	1			0.6737	10:02:54	0.006737	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDUSD.fx	9:30:00 AM	1			0.67382	11:26:57	0.0067382	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDUSD.fx	11:30:00 AM	1			0.67476	11:39:23	0.0067476	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADJPY	9:30:00 AM	1			134.852	10:15:15	1.34852	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/28/2019	CHFCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	EURAUD	1:30:00 PM	1			1.6433	15:08:34	0.16433	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURGBP	9:30:00 AM	1			0.90352	9:55:16	0.0090352	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURGBP	11:30:00 AM	1			1.08638	12:00:01	0.0434552	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURGBP	1:30:00 PM	1			0.90281	13:46:10	0.0090281	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURJPY	9:30:00 AM	1			117.508	9:59:25	1.17508	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURJPY	1:30:00 PM	1			0.69796	15:01:21	0.0069796	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/28/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURUSD	9:30:00 AM	1			1.10854	9:34:21	0.221708	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURUSD	11:30:00 AM	1			1.31814	11:35:32	0.0131814	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURUSD	1:30:00 PM	1			1.1223	13:35:38	0.011223	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURUSD.fx	11:30:00 AM	1			0.92452	11:34:33	0.092452	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURUSD.fx	1:30:00 PM	1			1.10936	13:43:42	0.27734	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPCHF	9:30:00 AM	1			1.11055	10:08:25	0.022211	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	GBPCHF	11:30:00 AM	1			1.19691	13:18:05	0.0119691	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPUSD	9:30:00 AM	1			1.10613	9:59:32	0.0553065	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPUSD	11:30:00 AM	1			1.21052	11:32:17	0.0242104	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPUSD	1:30:00 PM	1			1.22133	13:34:51	0.244266	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPUSD	3:30:00 PM	1	1.22098	4883.92		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPUSD.fx	9:30:00 AM	1			1.22848	10:40:39	0.0122848	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GOLD	1:30:00 PM	1			1534.44	14:30:02	15.3444	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/28/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDUSD	11:30:00 AM	1			0.63336	11:33:49	0.855036	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDUSD	1:30:00 PM	1			0.63485	14:47:09	0.88879	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	USDCAD	9:30:00 AM	1			1.32879	9:59:43	0.0132879	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCAD	1:30:00 PM	1			1.33158	15:26:39	1.33158	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCHF	9:30:00 AM	1			0.9827	10:02:39	0.009827	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCHF	11:30:00 AM	1			0.98082	13:21:08	0.49041	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDJPY	9:30:00 AM	1			1.105	9:55:10	0.0221	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/28/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/28/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/28/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/28/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/28/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/28/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/28/2019	XAUUSD	11:30:00 AM	1			1541.08	12:30:17	15.4108	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/28/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/28/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/29/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/29/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/29/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/29/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/29/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/29/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/29/2019	AUDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	AUDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDJPY	9:30:00 AM	1			71.449	11:10:57	0.71449	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDJPY	1:30:00 PM	1			71.23	15:19:58	0.7123	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDUSD	9:30:00 AM	1			0.67367	11:11:40	0.0067367	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDUSD.fx	1:30:00 PM	1			0.67426	13:50:36	0.0134852	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADCHF	1:30:00 PM	1			0.6722	13:32:59	0.006722	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	CADJPY	11:30:00 AM	1			79.438	11:36:36	0.79438	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/29/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	DAX30.i	11:30:00 AM	1			11797.26	12:40:28	58986.3	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURAUD	9:30:00 AM	1			1.64718	10:42:38	0.0164718	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURAUD	11:30:00 AM	1			0.88473	12:00:00	0.0353892	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURCHF	11:30:00 AM	1			1.08905	11:55:03	0.0108905	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURGBP	11:30:00 AM	1			0.90851	12:09:58	0.0090851	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	EURGBP.fx	9:30:00 AM	1			0.90602	10:14:04	3.62408	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURGBP.fx	1:30:00 PM	1			0.90683	15:28:00	2.72049	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURJPY	9:30:00 AM	1			17.515	11:08:24	0.7006	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/29/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURUSD	9:30:00 AM	1			1.10954	10:00:03	0.0665724	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURUSD	11:30:00 AM	1			1.10728	12:04:54	0.55364	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURUSD	1:30:00 PM	1			105.969	14:11:17	1.05969	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	EURUSD.fx	9:30:00 AM	1			1.10798	10:05:36	0.276995	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURUSD.fx	1:30:00 PM	1			1.10704	14:24:12	0.27676	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPCHF	9:30:00 AM	1			1.19686	11:10:24	0.0119686	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPJPY	9:30:00 AM	1			129.346	11:09:49	1.29346	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPJPY	11:30:00 AM	1			129.488	11:51:34	2.58976	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPJPY	1:30:00 PM	1			129.603	13:33:58	6.48015	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPJPY.fx	11:30:00 AM	1			129.505	12:56:00	2.5901	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPJPY.fx	1:30:00 PM	1			117.783	13:36:54	2.35566	Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPUSD	9:30:00 AM	1			1.22354	9:54:58	0.0122354	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPUSD	11:30:00 AM	1			1.21977	12:39:46	0.243954	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPUSD	1:30:00 PM	1			1.21877	13:37:02	0.0121877	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	GOLD	1:30:00 PM	1			1536.8	14:41:58	15.368	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/29/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDJPY	11:30:00 AM	1			67.338	12:01:08	0.67338	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDUSD.fx	11:30:00 AM	1			0.63422	12:52:05	0.0126844	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCAD	9:30:00 AM	1			1.32924	11:16:33	0.1063392	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCAD	11:30:00 AM	1			1.33158	11:36:03	1.33158	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCAD.fx	1:30:00 PM	1			1.11396	15:03:11	0.724074	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCHF	9:30:00 AM	1			0.982	11:08:53	0.00982	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCHF	11:30:00 AM	1			0.98411	12:09:28	0.3739618	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDJPY	11:30:00 AM	1			106.251	11:46:58	1.06251	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDJPY	1:30:00 PM	1	106.055	212110		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/29/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDJPY.fx	9:30:00 AM	1			105.887	10:10:31	1.05887	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDJPY.fx	11:30:00 AM	1			106.233	12:49:25	26.55825	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/29/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/29/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/29/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AAL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/30/2019	#AAL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AAPL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AAPL	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AAPL	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	#AAPL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#ADBE	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AIG	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AIG	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AIG	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AMD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AMZN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AMZN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AXP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BAC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BHP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BHP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BHP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BIDU	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	#BIDU	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BIDU	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#BIDU	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#Bitcoin	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	#Bitcoin	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/30/2019	#Bitcoin	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/30/2019	#UL	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/30/2019	#UPS	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/30/2019	#V	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/30/2019	#WDC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/30/2019	#WMT	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/30/2019	AUDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	AUDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/30/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	AUDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	AUDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	AUDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/30/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/30/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/30/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/30/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/30/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/30/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/30/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/30/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADJPY	1:30:00 PM	1			79.979	14:59:55	15.9958	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADJPY	3:30:00 PM	1	79.9655	5597585		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/30/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURAUD	1:30:00 PM	1			1.10658	15:15:32	0.110658	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURGBP	9:30:00 AM	1			0.90644	9:35:23	0.0271932	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURJPY	1:30:00 PM	1			129.067	14:51:59	28.39474	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/30/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURUSD	9:30:00 AM	1			1.10417	9:34:45	0.0220834	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURUSD	11:30:00 AM	1			1502.12	12:08:15	15.0212	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURUSD.fx	9:30:00 AM	1			1.10382	9:43:19	0.275955	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURUSD.fx	11:30:00 AM	1			1.10407	11:37:44	0.2760175	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPCHF.fx	9:30:00 AM	1			1.20313	10:28:26	0.0120313	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPJPY	9:30:00 AM	1			129.794	10:44:23	351.74174	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPUSD	9:30:00 AM	1			1425.44	10:00:37	14.2544	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPUSD	11:30:00 AM	1			1.21679	11:59:58	0.0608395	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPUSD	3:30:00 PM	1	1.21822	60911		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GOLD	9:30:00 AM	1			1531.17	9:32:12	15.3117	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GOLD	11:30:00 AM	1			1525.11	11:34:42	15.2511	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GOLD	1:30:00 PM	1			1525.78	13:57:29	30.5156	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/30/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDUSD	9:30:00 AM	1			0.6297	10:34:01	0.245583	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCAD	1:30:00 PM	1			1.79523	14:22:43	0.0179523	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCAD	3:30:00 PM	1	1.326324	14537837		0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCHF	1:30:00 PM	1			0.98889	14:23:50	0.692223	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCHF.fx	9:30:00 AM	1			0.98732	10:40:22	0.0098732	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCHF.fx	1:30:00 PM	1			0.98912	14:05:29	0.0098912	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/30/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDJPY	1:30:00 PM	1			106.401	14:03:49	15.96015	Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/30/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/30/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	#AA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	#AA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	#AABA	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	#AABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	#AABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	#AAL	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/31/2019	AUDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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8/31/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/31/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/31/2019	CADDDK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADDDK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADDDK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADDDK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/31/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	CHFCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/31/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	CHFNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/31/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/31/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



8/31/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USD RUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USD RUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USD RUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USD RUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USD SGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USD SGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USD SGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USD SGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USD SGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USD SGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/31/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/31/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/31/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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8/31/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
8/31/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

8/31/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/1/2019	#AA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#AA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#AABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/1/2019	#ADBE	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#ADBE	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#ADBE	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/1/2019	#AIG	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#AMD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/1/2019	#AMD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#AMD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#AMZN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/1/2019	#AMZN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/1/2019	#AXP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#AXP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#AXP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#BA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/1/2019	#BA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#BABA	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/1/2019	#BABA	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#BABA	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#BAC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#BAC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#BAC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#BAC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#BARC	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#BARC	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#BARC	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#BARC	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#BHP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/1/2019	#BIDU	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/1/2019	#BK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/1/2019	#BP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/1/2019	#C	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/1/2019	#C	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/1/2019	#CSCO	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/1/2019	#DD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/1/2019	#DIS	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/1/2019	#DWDP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	#EBAY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/1/2019	AUDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	AUDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	AUDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	AUDNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	AUDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUS200.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUS200.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUS200.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	AUS200.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	BCHUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	BCHUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	BCHUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	BCHUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	CADCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	CADHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/1/2019	CADPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CADZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/1/2019	CHFCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	CHFDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	CHF MXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF MXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF MXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF NOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF NOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF NOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF NOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF NOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF NOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF NOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF NOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF PLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF PLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF PLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF PLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF PLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF PLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF PLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF PLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF SEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHF SEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	CHFSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CHFZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CZKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CZKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CZKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	CZKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	DAX30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	DAX30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	DAX30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	DAX30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	DJ30.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	DJ30.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	DJ30.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	DJ30.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	DKKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	DKKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	DKKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	DKKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	EURCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURGBP	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	EURGBP	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURGBP	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURGBP	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURGBP.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURGBP.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURGBP.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURGBP.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	EURHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/1/2019	EURNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	EURRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	EURUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	EURZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPAUD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPAUD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPAUD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPAUD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPAUD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPAUD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	GBPAUD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPAUD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	GBPCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	GBPJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPNZD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPNZD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPNZD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPNZD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPNZD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	GBPNZD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPNZD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPNZD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	GBPSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GBPZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/1/2019	GBPZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GOLD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GOLD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GOLD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	GOLD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	HKDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	HKDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	HKDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	HKDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	HKDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	HKDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	HKDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	HKDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	HUFJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	HUFJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	HUFJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	HUFJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	JP225.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	JP225.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	JP225.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	JP225.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	MXNJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	MXNJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	MXNJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	MXNJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NASDAQ.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NASDAQ.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NASDAQ.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NASDAQ.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NOKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NOKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NOKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NOKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NOKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NOKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NOKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NOKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	NZDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	NZDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	NZDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	NZDUSD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDUSD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDUSD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDUSD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	NZDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	SEKJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	SEKJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	SEKJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	SEKJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	SEKJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	SEKJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	SEKJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	SEKJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	SGDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	SGDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	SGDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	SGDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	SILVER	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	SILVER	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	SILVER	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	SILVER	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	SPX500.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	SPX500.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	SPX500.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	SPX500.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	UK100.i	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	UK100.i	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	UK100.i	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	UK100.i	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCAD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCAD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCAD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCAD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCAD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCAD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCAD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCAD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCHF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCHF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	USDCHF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCHF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCHF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCHF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCHF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCHF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCZK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCZK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCZK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCZK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCZK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCZK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCZK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDCZK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDDKK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDDKK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDDKK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDDKK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDDKK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDDKK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDDKK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/1/2019	USDDKK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDHKD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDHKD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDHKD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDHKD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDHKD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDHKD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDHKD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDHKD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDHUF	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDHUF	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDHUF	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDHUF	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDHUF.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDHUF.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDHUF.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDHUF.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDINR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDINR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDINR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDINR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	USDJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDMXN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDMXN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDMXN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDMXN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDMXN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDMXN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDMXN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDMXN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDNOK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDNOK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDNOK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDNOK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDNOK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	USDNOK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDNOK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDNOK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDPLN	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDPLN	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDPLN	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDPLN	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDPLN.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDPLN.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDPLN.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDPLN.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDRUB	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDRUB	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDRUB	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDRUB	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDSEK	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDSEK	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDSEK	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDSEK	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDSEK.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDSEK.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	USDSEK.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDSEK.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDSGD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDSGD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDSGD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDSGD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDSGD.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDSGD.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDSGD.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDSGD.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDZAR	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDZAR	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDZAR	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDZAR	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDZAR.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDZAR.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDZAR.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	USDZAR.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	XAUUSD	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	XAUUSD	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	XAUUSD	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/1/2019	XAUUSD	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	ZARJPY	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	ZARJPY	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	ZARJPY	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	ZARJPY	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	ZARJPY.fx	9:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	ZARJPY.fx	11:30:00 AM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	ZARJPY.fx	1:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/1/2019	ZARJPY.fx	3:30:00 PM	1				0:00:00		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AXP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BAC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BAC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BARC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BHP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BHP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BIDU	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BIDU	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BIDU	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#Bitcoin	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#Bitcoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#Bitcoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#Bitcoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BLT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BLT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BLT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/2/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BTA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BTA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BTA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#C	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#CAT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#CAT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#CHL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#CL.f	11:30:00 AM	1			54.67	0.51228	0.5467	Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#CL.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	#CMCSA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#CMCSA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#CMCSA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#CSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#CSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#CSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#CVX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#CVX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#DIS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#DIS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#DIS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#DWDP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#DWDP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#DWDP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#EBAY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#EBAY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#EBAY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#Ethereum	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#Ethereum	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#Ethereum	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#F	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#FCX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#FCX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	#FCX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#FCX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#FDX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#FDX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#FSLR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#FSLR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#FSLR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#FSLR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#GE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#GE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#GEN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#GEN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#GILD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#GILD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#GILD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	#GILD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#GOOG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#GOOG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#GOOG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#GS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#GS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#GS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#GSK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#GSK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#GSK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#GSK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#HAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#HAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#HAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#HD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#HD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#HD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	#HON	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#HON	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#HON	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#HON	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#HPQ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#HPQ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#HPQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#HSBA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#HSBA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#HSBA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#ILMN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#INTC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#IP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#JCP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#JPM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#Litecoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#Litecoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#LNKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#MA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/2/2019	#MA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#MDLZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#MDLZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#MGM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#MGM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#MMM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#MMM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#MO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#MO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	#MON	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#MON	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#MON	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#MRVL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#MRVL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#MSFT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#MU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#NG.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#NKE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#NOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#NTDOY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/2/2019	#NTDOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#ORAN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#ORCL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#PBR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#PEP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#PFE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#POT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#SNE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#SNE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#TEVA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#TEVA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#TRI	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#TRI	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#TRV	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#TSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#TSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#TSLA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#V	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#VZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/2/2019	#XOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/2/2019	#YHOO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#ZNGA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	AUDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDUSD	9:30:00 AM	1			0.67314	0.400394	0.0201942	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDUSD	11:30:00 AM	1			0.67261	0.533067	0.9483801	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	BCHUSD	1:30:00 PM	1			288.35	0.588495	43.2525	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	CADDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/2/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURAUD	9:30:00 AM	1			1.63184	0.398692	0.0326368	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURAUD	11:30:00 AM	1			1.63346	0.501725	0.0163346	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURAUD.fx	1:30:00 PM	1			0.99077	0.633287	0.0099077	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURCHF	11:30:00 AM	1			1.08664	0.497141	0.162996	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURGBP	11:30:00 AM	1			0.88473	0.5	0.0353892	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURGBP	1:30:00 PM	1			0.90809	0.592523	0.090809	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURGBP.fx	9:30:00 AM	1			0.90286	0.409387	1.80572	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURJPY	9:30:00 AM	1			116.654	0.455856	3.49962	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/2/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURNZD.fx	1:30:00 PM	1			1503.11	0.638981	15.0311	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURUSD	9:30:00 AM	1			1.09847	0.417778	0.219694	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURUSD	11:30:00 AM	1			1.21469	0.496586	0.0242938	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURUSD	1:30:00 PM	1			1.09666	0.56566	0.438664	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPAUD	9:30:00 AM	1			1.10309	0.440081	0.0220618	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPAUD	11:30:00 AM	1			1.79743	0.498484	0.2696145	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPCAD	9:30:00 AM	1			1.61493	0.463924	0.0322986	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPCAD	11:30:00 AM	1			1.61493	0.496632	0.0322986	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPCHF	9:30:00 AM	1			1.19906	0.473333	0.299765	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPCHF	11:30:00 AM	1			1.19906	0.49691	0.299765	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPJPY	9:30:00 AM	1			129.162	0.397813	12.9162	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPJPY	11:30:00 AM	1			128.616	0.481123	12.8616	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPJPY	1:30:00 PM	1			128.541	0.629086	19.28115	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPNZD	9:30:00 AM	1			1500.13	0.441563	30.0026	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPUSD	9:30:00 AM	1			1.21488	0.439699	0.0242976	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPUSD	11:30:00 AM	1			1.20984	0.480637	0.0241968	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPUSD	1:30:00 PM	1			0.8975	0.575289	0.01795	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/2/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GOLD	9:30:00 AM	1			1521.35	0.414433	15.2135	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GOLD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GOLD	1:30:00 PM	1			1524.97	0.576285	15.2497	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDUSD	9:30:00 AM	1			0.63073	0.400613	0.0189219	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDUSD	11:30:00 AM	1			0.63085	0.533414	0.0315425	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCAD	9:30:00 AM	1			1.33273	0.46684	0.5864012	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	USDCAD	1:30:00 PM	1			1.33068	0.597697	0.066534	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCAD.fx	1:30:00 PM	1			1.33326	0.577188	0.0133326	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCHF	9:30:00 AM	1			1.10878	0.400718	0.55439	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCHF	1:30:00 PM	1			0.99082	0.593403	0.0099082	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCHF.fx	9:30:00 AM	1			0.99015	0.445347	0.0099015	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/2/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDJPY	1:30:00 PM	1			1.21264	0.604016	0.0121264	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	USDRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/2/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	XAUUSD	11:30:00 AM	1			1525.19	0.55897	15.2519	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/2/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AXP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#BABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#BAC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#BAC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#BHP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#BHP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#BIDU	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#BIDU	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#BK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#BK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#BLT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#BLT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#BP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#CHL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#CHL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#CMCSA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#CMCSA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#CSCO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#CVX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#DD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#DD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#DIS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#DIS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#DWDP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#DWDP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#F	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#F	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#FB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#FCX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#GSK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#GSK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	#HAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#HAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#HON	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#HON	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#JCP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#NKE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#NKE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	#NKE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#NKE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#NOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#NOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#NTDOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#ORAN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#ORAN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#PBR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	#PBR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#Ripple	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#SBUX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#T	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#TEVA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#TEVA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#TSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/3/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#TSLA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#UBS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	#UBS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#UL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#UL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#UPS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#UTX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/3/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/3/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/3/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDUSD	11:30:00 AM	1			0.67287	0.50485	0.0201861	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	AUDUSD.fx	11:30:00 AM	1			0.67149	0.501852	0.0067149	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	BCHUSD	9:30:00 AM	1			293.4	0.45044	2.934	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/3/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFZAR	11:30:00 AM	1			15.3188	0.520856	3.06376	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURAUD	9:30:00 AM	1			1.62692	0.411563	0.0325384	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURAUD	1:30:00 PM	1			1.62801	0.564282	0.0162801	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURCHF	9:30:00 AM	1			1.08643	0.406366	0.0108643	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	EURCHF	11:30:00 AM	1			1.0852	0.517419	0.010852	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURGBP	9:30:00 AM	1			0.91294	0.411863	0.0182588	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURGBP	1:30:00 PM	1			0.91075	0.567014	0.091075	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURGBP.fx	11:30:00 AM	1			0.91271	0.490104	3.65084	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	EURGBP.fx	1:30:00 PM	1	0.912	91200		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURJPY	9:30:00 AM	1			116.31	0.407801	1.1631	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURJPY	1:30:00 PM	1			115.967	0.572894	2.31934	Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/3/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURJPY.fx	9:30:00 AM	1			116.565	0.445208	1.16565	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURNZD	11:30:00 AM	1			1.74062	0.545127	0.0174062	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURNZD	1:30:00 PM	1			1.74062	0.564363	0.0174062	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURUSD	9:30:00 AM	1			1.09704	0.426539	0.658224	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURUSD	11:30:00 AM	1			1.09488	0.489109	0.109488	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURUSD	1:30:00 PM	1			55.99	0.564317	2.7995	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	EURUSD.fx	1:30:00 PM	1			120.442	0.564259	1.20442	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPCAD	9:30:00 AM	1			1.59818	0.422905	0.0319636	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPCAD	1:30:00 PM	1			1.59807	0.574572	0.0319614	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPCHF	9:30:00 AM	1			1.18731	0.426782	0.0237462	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPCHF	1:30:00 PM	1			1.18743	0.574699	0.0237486	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	GBPKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPJPY	9:30:00 AM	1			127.218	0.423171	2.54436	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPJPY	1:30:00 PM	1			127.883	0.575509	129.16183	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/3/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPUSD	9:30:00 AM	1			1.20109	0.398681	0.120109	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPUSD	11:30:00 AM	1			1.19988	0.480914	0.0119988	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPUSD	1:30:00 PM	1			1.19971	0.567141	0.0719826	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPUSD.fx	11:30:00 AM	1			1.19899	0.500035	3.59697	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GOLD	9:30:00 AM	1			1531.66	0.461748	30.6332	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GOLD	11:30:00 AM	1			1531.66	0.536481	30.6332	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GOLD	1:30:00 PM	1			1529.5	0.610914	15.295	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCAD	9:30:00 AM	1			58.39	0.435729	0.5839	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCAD	11:30:00 AM	1			1.33228	0.525127	0.2131648	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCAD	1:30:00 PM	1			1.33439	0.569942	0.7339145	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCAD.fx	9:30:00 AM	1			1.33491	0.451215	0.0133491	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCAD.fx	11:30:00 AM	1			1.3345	0.505313	0.013345	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCAD.fx	1:30:00 PM	1			1.33721	0.630926	0.0133721	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCHF	9:30:00 AM	1			0.99235	0.412188	0.019847	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCHF	11:30:00 AM	1			0.98117	0.49103	0.0196234	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/3/2019	USDCHE.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDJPY	9:30:00 AM	1			106.33	0.453565	3.1899	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDJPY	11:30:00 AM	1			0.69756	0.487245	0.0069756	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDJPY.fx	9:30:00 AM	1			106.005	0.447731	1.06005	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	USDJPY.fx	11:30:00 AM	1			106.012	0.538356	1.06012	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USD RUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USD RUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USD RUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USD RUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USD SEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USD SEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USD SEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USD SEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USD SEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USD SEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USD SEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USD SEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USD SGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USD SGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USD SGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	XAUUSD	9:30:00 AM	1			133.906	0.474722	2.67812	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	XAUUSD	11:30:00 AM	1			1531.19	0.489977	306.238	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	XAUUSD	1:30:00 PM	1			1531.05	0.624549	153.105	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/3/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/3/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AXP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BAC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BAC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BARC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BHP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BHP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BIDU	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BIDU	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BIDU	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/4/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#Bitcoin	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#Bitcoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#Bitcoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#Bitcoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BLT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BLT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BLT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BTA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BTA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BTA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	#C	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#C	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#C	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#C	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#CAT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#CAT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#CAT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#CAT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#CHL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#CHL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#CHL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#CHL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#CL.f	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#CL.f	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#CL.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#CMCSA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#CMCSA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#CMCSA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#CMCSA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#CSCO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	#CSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#CSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#CVX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#CVX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#CVX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#DD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#DD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#DD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#DIS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#DIS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#DWDP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#DWDP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#DWDP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#DWDP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#EBAY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#EBAY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	#EBAY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#Ethereum	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#F	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#F	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#F	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#FB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#FB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#FB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#FB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#FCX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#FCX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#FCX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#FCX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#FDX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#FDX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#FDX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	#FDX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#FSLR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#FSLR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#GE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#GE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#GE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#GE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#GEN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#GEN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#GEN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#GEN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#GILD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#GILD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#GOOG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/4/2019	#GSK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#HAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#HAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#HON	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#HON	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#HSBA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#HSBA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#IBM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#IBM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#INTC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#JCP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#KHC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#KO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/4/2019	#KO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#Litecoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#Litecoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#LLOY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#LLOY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#LLOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#LNKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#MA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#MCD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/4/2019	#MGM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#MGM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#MMM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#MRK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#MRVL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#MSFT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#NOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#NTDOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#PEP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#PG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#PG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	#POT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#POT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#POT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#QCOM	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#QCOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#QCOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#QCOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#QQQ	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#QQQ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#QQQ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#QQQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#Ripple	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#Ripple	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#Ripple	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#S	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#S	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#SBUX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	#SBUX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#SBUX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#SNE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#SNE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#SNE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#SPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#SPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#T	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#T	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#TEVA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#TEVA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#TEVA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#TRI	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	#TRI	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#TRI	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#TRV	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#TSCO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#TSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#TSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#TSLA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#TSLA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#TSLA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#TSLA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#TWTR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#TWTR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#TWTR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#UBS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#UBS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/4/2019	#UBS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#UL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#UL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	#UPS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#UPS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#UPS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#UPS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#UTX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#UTX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#UTX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#UTX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#V	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#V	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#V	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#V	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#VOD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#VOD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#VOD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	#VZ	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#VZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#VZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#WDC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#WDC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#WDC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#WFC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#WFC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#WFC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#WMT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#WMT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#WMT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#XOM	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#XOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#XOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#YHOO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	#YHOO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#ZNGA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	AUDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	AUDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/4/2019	AUDNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/4/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDUSD	9:30:00 AM	1			1.11371	0.443021	0.0111371	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDUSD	11:30:00 AM	1			0.67374	0.507095	0.0067374	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDUSD	1:30:00 PM	1			0.67851	0.574491	0.339255	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/4/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADJPY	11:30:00 AM	1			79.792	0.54066	12.76672	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURAUD	11:30:00 AM	1			1.6219	0.514051	0.713636	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURGBP	9:30:00 AM	1			0.90573	0.407396	0.0090573	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURGBP	11:30:00 AM	1			0.90633	0.493854	0.0090633	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURGBP	1:30:00 PM	1			1.24701	0.582685	0.498804	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/4/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURJPY	9:30:00 AM	1			1.10962	0.416678	0.0332886	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURJPY	11:30:00 AM	1			116.514	0.504861	1.16514	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURUSD	9:30:00 AM	1			134.453	0.450903	1.34453	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURUSD	11:30:00 AM	1			1.1009	0.499421	0.055045	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURUSD	1:30:00 PM	1			1.10785	0.612303	0.0110785	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURUSD.fx	11:30:00 AM	1			1.10113	0.528032	1.10113	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURUSD.fx	1:30:00 PM	1			1.10138	0.609282	0.275345	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPAUD	9:30:00 AM	1			1.78959	0.476319	0.9842745	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPCAD	11:30:00 AM	1			1.61836	0.52066	0.0323672	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPJPY	9:30:00 AM	1			128.528	0.412708	19.2792	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	GBPJPY	11:30:00 AM	1			129.213	0.506319	1.29213	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPJPY	1:30:00 PM	1			130.003	0.596875	3.90009	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/4/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPUSD	9:30:00 AM	1			1.21261	0.401979	0.0242522	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPUSD	11:30:00 AM	1			1.21371	0.480706	0.0121371	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPUSD	1:30:00 PM	1			1.21716	0.59912	0.0973728	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPUSD.fx	11:30:00 AM	1			1.21099	0.523981	3.63297	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GOLD	9:30:00 AM	1			1536	0.442778	153.6	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GOLD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GOLD	1:30:00 PM	1			1547.22	0.603738	30.9444	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDCAD	9:30:00 AM	1	0.84316	25.2948		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDJPY	9:30:00 AM	1	67.205	1344.1		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDJPY	11:30:00 AM	1			67.242	0.506887	2.01726	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	NZDUSD	11:30:00 AM	1			1.2357	0.554271	0.012357	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDUSD	1:30:00 PM	1			0.63462	0.622338	0.031731	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDUSD.fx	1:30:00 PM	1			0.63531	0.587674	0.0063531	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCAD	11:30:00 AM	1			1.33214	0.499479	0.7726412	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/4/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCHF	1:30:00 PM	1			0.98411	0.642546	0.492055	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDJPY	11:30:00 AM	1			106.082	0.514826	21.2164	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDJPY	1:30:00 PM	1			106.219	0.61647	21.2438	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/4/2019	XAUUSD	9:30:00 AM	1			1537.48	0.40287	15.3748	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	XAUUSD	1:30:00 PM	1			1534.14	0.611377	15.3414	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/4/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/5/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#CHL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#CSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#GILD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#IBM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#IBM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#ILMN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#ILMN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#INTC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#INTC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#IP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#JCP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#JNJ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#JPM	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#JPM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/5/2019	#JPM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#KHC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#Litecoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#Litecoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#Litecoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#LLOY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#LLOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#LNKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#LNKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#LNKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#LNKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/5/2019	#MA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#MCD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#MCD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#MDLZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#MDLZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#MDLZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#MGM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#MMM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#MO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	#MO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#MO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#MRK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#MRK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#MRK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#MRVL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#MRVL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#MSFT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#MSFT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#NFLX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#NFLX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#NG.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#NKE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#NKE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#NOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#NOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#NOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	#NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#NTDOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#ORAN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#ORAN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#ORCL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#ORCL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#ORCL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#PBR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#PEP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/5/2019	#POT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#SNE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#SPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#T	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#TEVA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#TRI	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#TRI	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#TRI	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#TRV	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#TRV	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#TRV	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#TSCO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#TSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#TSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#TSLA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#TSLA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#TSLA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/5/2019	#TSLA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#TWTR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#TWTR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#UBS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#UBS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#UBS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#UL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#UL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#UL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#UL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#UPS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#UPS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#UPS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#UTX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#UTX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#UTX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#UTX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	#V	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#V	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#V	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#V	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#VOD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#VOD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#VZ	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#VZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#VZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#WDC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#WDC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#WFC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#WFC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#WMT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	#WMT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#WMT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	#XOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#XOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#YHOO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#YHOO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#ZNGA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	AUDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/5/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDNZD.fx	9:30:00 AM	1			1.06801	0.458438	0.0106801	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDNZD.fx	11:30:00 AM	1			1.06801	0.498958	0.0106801	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/5/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDUSD	9:30:00 AM	1			0.67521	0.453785	0.1012815	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDUSD	1:30:00 PM	1	0.677955	421688.01		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/5/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	BCHUSD	9:30:00 AM	1			294.45	0.451169	47.112	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/5/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURCAD	9:30:00 AM	1			1.46011	0.452523	0.0146011	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURCAD	11:30:00 AM	1			1.45825	0.522326	0.1604075	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURCHF	9:30:00 AM	1			9.7529	0.437697	0.877761	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURCHF	11:30:00 AM	1			1.08135	0.556771	0.540675	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURCHF	1:30:00 PM	1			1.08672	0.567801	0.217344	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURGBP	9:30:00 AM	1			0.90136	0.471065	0.0180272	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURGBP	11:30:00 AM	1			0.89977	0.481192	0.0989747	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURGBP	1:30:00 PM	1			0.89518	0.578519	0.089518	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURGBP.fx	9:30:00 AM	1			0.6942	0.437928	0.006942	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURGBP.fx	11:30:00 AM	1			0.92681	0.484236	0.092681	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/5/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURJPY	11:30:00 AM	1			117.429	0.554201	1.17429	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURJPY	1:30:00 PM	1			117.783	0.567292	2.35566	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURNZD	11:30:00 AM	1			1.7295	0.560833	0.86475	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURUSD	9:30:00 AM	1			1.10369	0.445486	0.1324428	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURUSD	11:30:00 AM	1			1.31017	0.522477	0.0131017	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURUSD	1:30:00 PM	1			1.10436	0.580984	0.110436	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURUSD.fx	9:30:00 AM	1			1.10328	0.402685	0.0110328	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	GBPCHF	9:30:00 AM	1			1.20174	0.397708	0.120174	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPCHF	11:30:00 AM	1			1.20174	0.534572	0.120174	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPCHF	1:30:00 PM	1			1.21375	0.609514	0.0121375	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPCHF.fx	1:30:00 PM	1			1.21135	0.625868	0.0121135	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPJPY	9:30:00 AM	1			130.294	0.433264	2.60588	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPJPY	11:30:00 AM	1			130.803	0.485127	1.30803	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPJPY	1:30:00 PM	1			131.543	0.59787	1.31543	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPNZD	11:30:00 AM	1			1.92469	0.481481	0.0192469	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/5/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPUSD	9:30:00 AM	1			1.22156	0.409097	0.61078	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPUSD	11:30:00 AM	1			0.92681	0.484236	0.092681	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPUSD	1:30:00 PM	1			0.88209	0.576227	0.88209	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GOLD	9:30:00 AM	1			1546.87	0.404734	15.4687	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GOLD	11:30:00 AM	1			1541.29	0.504769	15.4129	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GOLD	1:30:00 PM	1			117.55	0.583345	4.702	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDUSD.fx	9:30:00 AM	1			0.63531	0.432118	0.0063531	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/5/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCAD	9:30:00 AM	1			1.3219	0.414583	0.013219	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCAD	11:30:00 AM	1			1.32019	0.491563	0.0132019	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCAD	1:30:00 PM	1			1.08927	0.583356	0.0108927	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCHF	9:30:00 AM	1			0.98241	0.473438	0.0098241	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCHF	11:30:00 AM	1			0.98216	0.522766	0.098216	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCHF	1:30:00 PM	1			0.88988	0.636539	0.0088988	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDJPY	11:30:00 AM	1			106.619	0.559213	2.13238	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDJPY	1:30:00 PM	1			106.619	0.610868	2.13238	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD RUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD RUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD RUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD RUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD SEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD SEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD SEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD SEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD SEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD SEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD SEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD SEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD SGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD SGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD SGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD SGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD SGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD SGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD SGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USD SGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/5/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	XAUUSD	9:30:00 AM	1			1.20963	0.477431	0.120963	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	XAUUSD	11:30:00 AM	1			1.1009	0.499421	0.055045	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/5/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AXP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#BABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/6/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#BAC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#BAC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#BARC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#Bitcoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/6/2019	#BK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#BLT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#BP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#CHL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#CL.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#CMCSA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#CSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#CSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#CVX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#DWDP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#FSLR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/6/2019	#GILD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#GILD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#JCP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#Litecoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#Litecoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#Litecoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/6/2019	#LLOY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#LLOY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#LLOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#LNKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#LNKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#LNKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#MA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#MA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#MCD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#MDLZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#MDLZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#MDLZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#MO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#MRK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#MRK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#MRVL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/6/2019	#MRVL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#MSFT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#MSFT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#MU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#NFLX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#NFLX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#NFLX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#NG.f	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#NG.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#NKE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#NKE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#NKE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#NOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#NOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#NOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#NTDOY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#NTDOY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#NTDOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#ORAN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#ORAN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#ORAN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#ORAN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#ORCL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#ORCL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#ORCL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#ORCL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/6/2019	#PBR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#PBR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#PEP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#PEP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#PFE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#PFE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#PFE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#POT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#POT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#POT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#QQQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#Ripple	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#Ripple	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#SBUX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#SNE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	#SNE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#SNE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#SPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#TRV	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/6/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#UL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#UL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#UL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	#UPS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#UPS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/6/2019	#V	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#V	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#V	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#VOD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#VOD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#VOD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#VZ	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#VZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#VZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#WDC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	#WDC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#WDC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#WFC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#WFC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#WFC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#WMT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#WMT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#WMT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#XOM	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#XOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#XOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#YHOO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#YHOO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#ZNGA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDCAD	11:30:00 AM	1			0.90353	0.525046	0.4969415	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDCAD	1:30:00 PM	1			1.32265	0.605347	0.026453	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDCHF	9:30:00 AM	1			0.67353	0.417465	0.0067353	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDCHF	11:30:00 AM	1			0.67299	0.547604	0.0067299	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	AUDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDNZD.fx	11:30:00 AM	1			1.06643	0.555463	0.0213286	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDNZD.fx	1:30:00 PM	1			0.90209	0.569051	0.0090209	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDUSD	9:30:00 AM	1			1.10962	0.416678	0.0332886	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDUSD	11:30:00 AM	1			0.68368	0.516771	0.068368	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDUSD	3:30:00 PM	1	0.68407	6840.7		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDUSD.fx	3:30:00 PM	1	0.68456	684.56		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	BCHUSD	1:30:00 PM	1			286.38	0.574977	2.8638	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	BCHUSD	3:30:00 PM	1	299.72	80.9244		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADCHF	11:30:00 AM	1			0.74548	0.547697	0.0074548	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/6/2019	CADCHF	3:30:00 PM	1	0.748636667	37431.833		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADDDK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADDDK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADDDK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADDDK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADPLN	11:30:00 AM	1			2.9753	0.503981	0.029753	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFPLN	9:30:00 AM	1			3.9774	0.433565	0.039774	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURAUD	11:30:00 AM	1			0.92617	0.498738	0.3612063	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURAUD	1:30:00 PM	1			1.11509	0.573322	0.0111509	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURAUD	3:30:00 PM	1	1.61386	3227.72		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURAUD.fx	9:30:00 AM	1			1.61696	0.465336	0.0323392	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURAUD.fx	11:30:00 AM	1			1.61696	0.492674	0.0323392	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURCAD	9:30:00 AM	1			1.10508	0.420903	0.0221016	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURCHF	9:30:00 AM	1			1.08901	0.456308	0.5989555	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURCHF	11:30:00 AM	1			0.88473	0.5	0.0353892	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURCHF	1:30:00 PM	1			1.09223	0.639282	0.0327669	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURGBP	9:30:00 AM	1			0.89755	0.423611	0.017951	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURGBP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/6/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	EURJPY	9:30:00 AM	1			118.024	0.406076	1.18024	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURJPY	1:30:00 PM	1			1520.47	0.579537	15.2047	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURUSD	9:30:00 AM	1			1.10408	0.419294	0.220816	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURUSD	11:30:00 AM	1			1.10417	0.485822	0.0220834	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURUSD	1:30:00 PM	1			1.10244	0.57228	0.110244	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	EURUSD	3:30:00 PM	1	1.103598148	12691.379		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	GBPCAD	9:30:00 AM	1			1.62771	0.456076	0.3418191	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPCAD	11:30:00 AM	1			1.62597	0.561285	0.0162597	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPCHF	1:30:00 PM	1			0.98547	0.621389	0.098547	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPJPY	9:30:00 AM	1			131.882	0.403866	22.41994	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/6/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPUSD	9:30:00 AM	1			1.23418	0.408252	0.5183556	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPUSD	11:30:00 AM	1			1.12333	0.481493	0.112333	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPUSD	1:30:00 PM	1			1.22973	0.571667	0.0122973	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPUSD	3:30:00 PM	1	1.23038	51675.96		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GOLD	9:30:00 AM	1			1509.41	0.406308	60.3764	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	GOLD	11:30:00 AM	1			1509.41	0.491979	60.3764	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GOLD	1:30:00 PM	1			1.22936	0.567917	0.0122936	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	GOLD	3:30:00 PM	1	1509.535	3019.07		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDCHF	11:30:00 AM	1			0.62916	0.547859	0.0062916	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDUSD	1:30:00 PM	1			0.63846	0.571921	0.127692	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/6/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCAD	9:30:00 AM	1			1.32085	0.429016	0.132085	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCAD	11:30:00 AM	1			1.12158	0.56044	0.0112158	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCAD	3:30:00 PM	1	1.320505	42256.16		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCAD.fx	1:30:00 PM	1			1.32226	0.60478	0.0132226	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCAD.fx	3:30:00 PM	1	1.32226	1322.26		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCHF	9:30:00 AM	1			0.98733	0.420613	0.098733	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCHF	11:30:00 AM	1			0.98843	0.498067	0.098843	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCHF	1:30:00 PM	1			0.99073	0.56544	0.099073	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCHF.fx	1:30:00 PM	1			0.99097	0.585185	0.0099097	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDJPY	9:30:00 AM	1			106.98	0.449722	53.49	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	USDJPY	1:30:00 PM	1			1.12195	0.594155	0.0112195	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDJPY	3:30:00 PM	1	106.871	1068710		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDPLN	9:30:00 AM	1			3.9286	0.433125	0.039286	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USD RUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USD RUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USD RUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USD RUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDSEK	11:30:00 AM	1			9.6611	0.545671	0.483055	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDSGD	1:30:00 PM	1			1.3844	0.573252	0.013844	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDZAR	1:30:00 PM	1			14.7595	0.642257	0.737975	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	XAUUSD	9:30:00 AM	1			1510.69	0.436944	15.1069	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/6/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/6/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AXP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/7/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BAC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BAC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BARC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BHP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BHP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	#BIDU	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BIDU	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BIDU	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#Bitcoin	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#Bitcoin	11:30:00 AM	1			10291.93	0.482824	102.9193	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#Bitcoin	1:30:00 PM	1			10480.22	0.575185	104.8022	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#Bitcoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BLT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BLT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BLT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BTA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	#BTA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BTA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#C	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#C	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#C	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#C	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#CAT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	#CAT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/7/2019	#DWDP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/7/2019	#GSK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/7/2019	#HON	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/7/2019	#IBM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/7/2019	#MON	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/7/2019	#NTDOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/7/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/7/2019	#UBS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/7/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/7/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	AUDNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/7/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	BCHUSD	11:30:00 AM	1			285.52	0.548947	14.276	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/7/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURGBP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/7/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GOLD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GOLD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GOLD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/7/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USD RUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USD RUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USD RUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USD RUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/7/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/7/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/8/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AXP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BAC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BAC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	#BARC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BHP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BHP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BIDU	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BIDU	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BIDU	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#Bitcoin	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#Bitcoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#Bitcoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#Bitcoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BLT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	#BLT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BLT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BTA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BTA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BTA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#C	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#C	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#C	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#CAT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#CAT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#CAT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#CHL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#CHL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	#CHL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#CHL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#CL.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#CMCSA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#CMCSA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#CMCSA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#CMCSA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#CSCO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#CSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#CSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#CSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#CVX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#CVX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#DD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#DD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#DIS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#DIS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#DIS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#DWDP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#DWDP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#DWDP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#DWDP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#EBAY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#Ethereum	9:30:00 AM	1			179.13	0.398935	8.9565	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#Ethereum	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#Ethereum	1:30:00 PM	1			176.83	0.589039	17.683	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#Ethereum	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#F	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#F	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#F	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#F	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	#FB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#FB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#FB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#FB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#GEN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#GSK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#HAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#HPQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#INTC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#IP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#JCP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#MCD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#NKE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/8/2019	#NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#ORCL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#PBR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#PBR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#PBR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#PBR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#PEP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	#PEP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#PEP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#PEP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#PFE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#PFE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#PG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#PG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#PG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#POT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#POT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#POT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#QCOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#QCOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#QQQ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	#QQQ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#QQQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#Ripple	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#Ripple	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#Ripple	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#S	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#S	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#S	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#SBUX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#SBUX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#SNE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#SNE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#SNE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#SPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#SPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/8/2019	#SPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#T	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#T	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#TEVA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#TEVA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#TEVA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#TRI	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#TRI	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#TRI	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#TRI	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#TRV	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#TSCO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#TSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#TSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	#TSLA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#TSLA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#TSLA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#TSLA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#TWTR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#TWTR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#TWTR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#UBS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#UBS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#UBS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#UBS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#UL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#UL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#UL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#UPS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#UPS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#UPS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#UPS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#UTX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	#UTX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#UTX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#UTX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#V	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#V	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#V	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#V	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#VOD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#VOD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#VZ	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#VZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#WDC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#WDC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#WDC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#WFC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#WFC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	#WFC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#WMT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#XOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#XOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#YHOO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	AUDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/8/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/8/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/8/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURGBP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/8/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	GBPUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GOLD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GOLD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GOLD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/8/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/8/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/8/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/9/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/9/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#BP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#CAT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#CMCSA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#CSCO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#CSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#HPQ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/9/2019	#HPQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#HSBA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#IBM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#IBM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#IBM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#ILMN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#INTC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#INTC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#IP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/9/2019	#JCP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#JCP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#JCP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#JPM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#KHC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#Litecoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#LLOY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#LLOY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#LLOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#LNKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#LNKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#MCD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#MGM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#MGM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#MMM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#MMM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#MO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#NFLX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#NFLX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/9/2019	#NG.f	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#NG.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#NKE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#NKE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#NKE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#NOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#NOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#ORAN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#PBR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#POT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#POT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#S	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#S	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#SBUX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/9/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#T	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#T	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#T	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TEVA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TEVA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TEVA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TEVA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TRI	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TRI	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TRI	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TRI	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	#TRV	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TRV	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TRV	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TSCO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TSLA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TSLA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TSLA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TSLA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TWTR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TWTR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TWTR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#UBS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#UBS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#UBS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#UBS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#UL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	#UL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#UL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#UPS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#UPS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#UPS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#UTX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#UTX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#UTX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#V	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#V	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#V	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#V	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#VOD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#VOD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#VZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	#VZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#WDC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#WDC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#WFC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#WFC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#WFC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#WMT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#WMT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	#XOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#XOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#YHOO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#YHOO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#ZNGA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDCAD	1:30:00 PM	1			0.90309	0.584606	0.0090309	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	AUDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/9/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/9/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/9/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/9/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDUSD	9:30:00 AM	1			0.6852	0.450336	0.006852	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDUSD	11:30:00 AM	1			0.68608	0.490012	0.0068608	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDUSD	1:30:00 PM	1			0.68672	0.583414	0.0137344	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	BCHUSD	11:30:00 AM	1			305.62	0.538333	45.843	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADPLN	9:30:00 AM	1			2.9818	0.447025	0.029818	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	CHF MXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF MXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF MXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF MXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF NOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF NOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF NOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF NOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF NOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF NOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF NOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF PLN	9:30:00 AM	1			3.9774	0.462477	0.039774	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF PLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF PLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF PLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF PLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF PLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF PLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF PLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHF SEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURCAD	11:30:00 AM	1			1.45264	0.490243	0.145264	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/9/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURCHF	11:30:00 AM	1			1.09285	0.501204	0.021857	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURCHF	1:30:00 PM	1			1.09285	0.564329	0.021857	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	EURGBP	9:30:00 AM	1			0.89836	0.461481	0.089836	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURGBP	11:30:00 AM	1			0.70316	0.507685	1.6805524	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURGBP	1:30:00 PM	1			118.223	0.583333	4.72892	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURGBP.fx	9:30:00 AM	1			0.8994	0.420926	0.008994	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURGBP.fx	11:30:00 AM	1			0.89776	0.49434	0.179552	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURGBP.fx	1:30:00 PM	1			0.89179	0.566991	0.0089179	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURJPY	9:30:00 AM	1			1.10309	0.440081	0.0220618	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURJPY	11:30:00 AM	1			118.023	0.499525	118.023	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURJPY.fx	9:30:00 AM	1			117.961	0.438542	1.17961	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	EURUSD	9:30:00 AM	1			1.2044	0.430058	0.012044	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURUSD	11:30:00 AM	1			1.10341	0.509664	0.0220682	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURUSD	1:30:00 PM	1			1.10286	0.571262	0.110286	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURUSD.fx	11:30:00 AM	1			1.10306	0.493137	0.0110306	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPAUD	9:30:00 AM	1			1.78748	0.408287	0.089374	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPAUD	11:30:00 AM	1			132.567	0.481852	3.97701	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPCAD	9:30:00 AM	1			1.61371	0.405278	0.0806855	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPCAD	11:30:00 AM	1			1.61938	0.481771	0.080969	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPCAD.fx	1:30:00 PM	1			1.24325	0.629514	0.124325	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPCHF	11:30:00 AM	1			1.2615	0.481563	0.012615	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPCHF.fx	11:30:00 AM	1			0.9837	0.542211	0.009837	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPCHF.fx	1:30:00 PM	1	1.22267	1222.67		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPJPY	11:30:00 AM	1			131.165	0.493264	13.1165	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPJPY	1:30:00 PM	1			132.18	0.621528	3.9654	Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/9/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPNZD	11:30:00 AM	1			1.91524	0.481933	0.095762	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPUSD	9:30:00 AM	1			1.22642	0.412685	0.0122642	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPUSD	11:30:00 AM	1			1.22175	0.480729	0.0122175	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPUSD	1:30:00 PM	1			1.23752	0.564815	0.0123752	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPUSD.fx	11:30:00 AM	1			1.22914	0.487604	0.0245828	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GOLD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GOLD	11:30:00 AM	1			1509.71	0.530127	30.1942	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GOLD	1:30:00 PM	1			1512.59	0.614618	60.5036	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/9/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCAD	11:30:00 AM	1			0.98168	0.495938	0.098168	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCAD.fx	9:30:00 AM	1			1.31655	0.474109	0.0131655	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCHF	9:30:00 AM	1			0.98819	0.433333	0.0098819	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	USDCHF	11:30:00 AM	1			0.99046	0.496273	0.99046	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCHF	1:30:00 PM	1			0.99121	0.592488	0.0198242	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDJPY	11:30:00 AM	1			107.028	0.524039	1.07028	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDNOK	1:30:00 PM	1			8.9642	0.580752	0.89642	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDPLN	11:30:00 AM	1			3.9338	0.490301	0.039338	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/9/2019	XAUUSD	1:30:00 PM	1			1513	0.614861	15.13	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/9/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/10/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	#AXP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#BABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#BLT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#BP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#CMCSA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#CSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#DIS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/10/2019	#DWDP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#EBAY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#EBAY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#Ethereum	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#Ethereum	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#FDX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#FSLR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#GEN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#GEN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#GILD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#IP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#POT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#UTX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#UTX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#UTX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#V	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#V	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	#V	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#V	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#VOD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#VOD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#WFC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#WMT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#WMT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#XOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	AUDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	AUDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/10/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/10/2019	AUDNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	AUDUSD	1:30:00 PM	1			0.68589	0.584572	0.0068589	Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDUSD.fx	1:30:00 PM	1			1.30674	0.640845	0.0130674	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	CADDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/10/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURAUD	9:30:00 AM	1			1.60815	0.417199	0.0804075	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/10/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURCAD	9:30:00 AM	1			1.20271	0.426829	0.3487859	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURCHF	9:30:00 AM	1			1.08986	0.465775	0.0108986	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURGBP	9:30:00 AM	1			0.89591	0.447917	0.0089591	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURGBP	1:30:00 PM	1			0.89591	0.588912	0.0089591	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURJPY	9:30:00 AM	1			1.10568	0.424699	0.0221136	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURJPY	11:30:00 AM	1			118.535	0.543067	1.18535	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURJPY.fx	9:30:00 AM	1			118.41	0.468183	1.1841	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURNZD	9:30:00 AM	1			1.71648	0.421227	0.085824	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURUSD	9:30:00 AM	1			1.10452	0.401111	0.0220904	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURUSD	11:30:00 AM	1			1.10407	0.493125	0.0110407	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURUSD	1:30:00 PM	1			1.21079	0.583484	0.121079	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPCHF	9:30:00 AM	1			1.22603	0.417905	0.0613015	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPCHF.fx	11:30:00 AM	1			1.22051	0.556725	0.0244102	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/10/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPJPY	9:30:00 AM	1			132.23	0.405671	17.1899	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPJPY	11:30:00 AM	1			132.368	0.558299	13.2368	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPJPY	1:30:00 PM	1			132.365	0.567778	19.85475	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPJPY.fx	11:30:00 AM	1			132.397	0.51463	1.32397	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPJPY.fx	1:30:00 PM	1			132.313	0.597396	132.313	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPNZD.fx	9:30:00 AM	1			1.92163	0.416065	0.0192163	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPUSD	9:30:00 AM	1			1.23657	0.41735	0.0123657	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPUSD	11:30:00 AM	1			1.23354	0.510914	0.0123354	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPUSD	1:30:00 PM	1			1.23384	0.585579	0.0123384	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPUSD.fx	9:30:00 AM	1			1.23488	0.397836	0.0123488	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GOLD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GOLD	11:30:00 AM	1			1495.02	0.546759	14.9502	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GOLD	1:30:00 PM	1			1494.06	0.573148	14.9406	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDJPY	9:30:00 AM	1			69.001	0.409491	6.9001	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/10/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	SPX500.i	11:30:00 AM	1			2967.39	0.492477	5934.78	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	SPX500.i	1:30:00 PM	1			2973.89	0.600822	2973.89	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCAD	9:30:00 AM	1			1.33303	0.450683	0.133303	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	USDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCAD	1:30:00 PM	1			1.31685	0.633565	0.1975275	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCAD.fx	9:30:00 AM	1			1.31655	0.446979	0.0131655	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCHF	9:30:00 AM	1			0.99119	0.434757	0.0099119	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCHF	1:30:00 PM	1			0.99164	0.592326	0.099164	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCHF.fx	1:30:00 PM	1			0.99054	0.568715	0.0099054	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDJPY	9:30:00 AM	1			107.812	0.398021	5.3906	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDJPY	1:30:00 PM	1			1.122	0.589514	0.01122	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDNOK	9:30:00 AM	1			8.9371	0.399294	0.89371	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	USDRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/10/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	XAUUSD	1:30:00 PM	1			1490.52	0.638264	14.9052	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/10/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/11/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/11/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/11/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AXP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BAC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	#BAC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/11/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/11/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BIDU	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BIDU	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/11/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#Bitcoin	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#Bitcoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#Bitcoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#Bitcoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	#BK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BLT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BLT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BLT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BTA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BTA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BTA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#C	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#C	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#C	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#C	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/11/2019	#GILD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/11/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	AUDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/11/2019	AUDNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/11/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/11/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDUSD	9:30:00 AM	1			1.25656	0.404086	0.3895336	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDUSD	11:30:00 AM	1			0.68709	0.547083	0.068709	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	AUDUSD.fx	9:30:00 AM	1			0.68676	0.425486	0.0068676	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	BCHUSD	11:30:00 AM	1			298.39	0.5061	2.9839	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/11/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/11/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURAUD	9:30:00 AM	1			1.6062	0.402188	0.08031	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURAUD	11:30:00 AM	1			1.60806	0.53728	0.080403	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURAUD	1:30:00 PM	1			0.99199	0.571319	0.0099199	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURCAD	9:30:00 AM	1			1.45154	0.401863	0.072577	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURCAD	11:30:00 AM	1			1.45203	0.523553	0.0145203	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURCAD	1:30:00 PM	1			1.45154	0.594942	0.072577	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURGBP	9:30:00 AM	1			0.89321	0.402419	0.0446605	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURGBP	11:30:00 AM	1			0.89565	0.502593	0.017913	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURGBP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURGBP.fx	1:30:00 PM	1			0.89434	0.584097	0.0089434	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURJPY	9:30:00 AM	1			1.24498	0.420382	0.124498	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURJPY	11:30:00 AM	1			118.777	0.499282	3.56331	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	EURJPY	1:30:00 PM	1			118.769	0.579861	1.18769	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURNZD	9:30:00 AM	1			1.71702	0.40316	0.171702	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURNZD	11:30:00 AM	1			1.72144	0.559711	0.0172144	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURNZD	1:30:00 PM	1			1.71702	0.570637	0.171702	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURUSD	9:30:00 AM	1			1.10439	0.433137	0.0110439	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURUSD	11:30:00 AM	1			1.10266	0.504988	0.110266	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURUSD	1:30:00 PM	1			1.10184	0.564201	0.0110184	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURUSD.fx	1:30:00 PM	1			1.10077	0.568762	0.110077	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPCHF	9:30:00 AM	1			1.22714	0.403611	0.122714	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/11/2019	GBPKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPJPY	9:30:00 AM	1			133.362	0.403819	13.3362	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPJPY	11:30:00 AM	1			133.224	0.494549	1.33224	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPUSD	9:30:00 AM	1			1.23685	0.403449	0.123685	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPUSD	11:30:00 AM	1			1.23486	0.480833	0.0123486	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPUSD	1:30:00 PM	1			1.23568	0.588669	0.0864976	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GOLD	9:30:00 AM	1			1493.49	0.401204	59.7396	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GOLD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	GOLD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDCAD	9:30:00 AM	1			1.10543	0.463032	0.0552715	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/11/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCHF	9:30:00 AM	1			0.98655	0.460799	0.0098655	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCHF	11:30:00 AM	1			0.99354	0.49125	0.099354	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCHF.fx	11:30:00 AM	1			0.99348	0.504005	0.0099348	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	USDCHE.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCHE.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDJPY	9:30:00 AM	1			107.772	0.439931	11.85492	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDJPY	11:30:00 AM	1			107.693	0.536424	10.7693	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDJPY	1:30:00 PM	1			107.83	0.577488	53.915	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	USDJPY.fx	9:30:00 AM	1			107.82	0.419248	1.0782	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDJPY.fx	11:30:00 AM	1			107.805	0.500289	1.07805	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/11/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/11/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	XAUUSD	9:30:00 AM	1			1493.3	0.40147	14.933	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/11/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/11/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#BHP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#BIDU	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#BIDU	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	#BIDU	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#BK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#BP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#BP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#BP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#EBAY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	#EBAY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#NTDOY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#NTDOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#ORAN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#ORAN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	#ORAN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#ORAN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#ORCL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#ORCL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#PG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#POT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#QCOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#QQQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#Ripple	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#Ripple	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#S	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/12/2019	#SBUX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#SBUX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#SNE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#SNE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#SPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#T	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#TEVA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#TEVA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#TRI	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	#TRI	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#TRV	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#TRV	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#TSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#TSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#TSLA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#TWTR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#UBS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#UL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#UL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#UPS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#UPS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#UPS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#UTX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#UTX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#UTX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#V	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#V	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#VOD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#VOD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#WFC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#WMT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/12/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	AUDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/12/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDUSD	11:30:00 AM	1			1.09675	0.561273	0.109675	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDUSD	1:30:00 PM	1			0.68737	0.633032	0.068737	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDUSD.fx	1:30:00 PM	1			0.638	0.602558	0.00638	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADDDKK	1:30:00 PM	1			5.132	0.615486	1.5396	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/12/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/12/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURAUD	9:30:00 AM	1	1.6	1600		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURAUD	1:30:00 PM	1			1.60828	0.615081	0.6754776	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURCAD	11:30:00 AM	1			1.45399	0.493657	0.1599389	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURCAD	1:30:00 PM	1			1.4513	0.614734	0.217695	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURCHF	1:30:00 PM	1			1.09114	0.614282	0.0109114	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURGBP	11:30:00 AM	1			0.89438	0.488206	0.0268314	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURGBP	1:30:00 PM	1			55.42	0.617836	1.1084	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURGBP.fx	9:30:00 AM	1			0.89415	0.456944	0.0089415	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURGBP.fx	1:30:00 PM	1			1.31272	0.61963	0.0131272	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURJPY	1:30:00 PM	1			119.04	0.614792	1.1904	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURJPY.fx	11:30:00 AM	1			118.945	0.518773	1.18945	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURJPY.fx	1:30:00 PM	1			118.945	0.615579	1.18945	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURUSD	9:30:00 AM	1			1.10111	0.398762	2.20222	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURUSD	11:30:00 AM	1			1.10282	0.487639	0.0330846	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURUSD	1:30:00 PM	1			1.10317	0.564641	0.0551585	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURUSD.fx	1:30:00 PM	1			119.076	0.620139	17.8614	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPCHF	11:30:00 AM	1			1.22714	0.492153	0.122714	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/12/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	GBPJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPJPY	1:30:00 PM	1			133.269	0.615208	219.89385	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPUSD	9:30:00 AM	1			1.23408	0.420081	0.1480896	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPUSD	1:30:00 PM	1			1.23633	0.632662	0.0618165	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPUSD.fx	1:30:00 PM	1			1.23214	0.602269	0.0123214	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GOLD	9:30:00 AM	1			1502.28	0.414074	60.0912	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GOLD	11:30:00 AM	1			105.36	0.48625	1.0536	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GOLD	1:30:00 PM	1			1.21058	0.584109	0.0121058	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	GOLD	3:30:00 PM	1	1515.91	3031.82		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDCAD	1:30:00 PM	1			0.8495	0.632836	0.08495	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/12/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	NZDUSD	9:30:00 AM	1			0.6446	0.469028	0.412544	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCAD	11:30:00 AM	1			1.31838	0.530764	0.1054704	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCAD	1:30:00 PM	1			1.31886	0.622859	0.0263772	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCHF	9:30:00 AM	1			0.99208	0.418056	0.0099208	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCHF	11:30:00 AM	1			0.99039	0.548137	0.099039	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCHF	1:30:00 PM	1			0.99081	0.607639	0.1089891	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCHF.fx	9:30:00 AM	1			0.99224	0.429664	0.0198448	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCHF.fx	11:30:00 AM	1			0.99083	0.559769	0.0099083	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCHF.fx	1:30:00 PM	1			0.99083	0.619132	0.0099083	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDJPY	9:30:00 AM	1			108	0.40941	5.4	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDJPY	11:30:00 AM	1			1.6219	0.514051	0.713636	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDJPY	3:30:00 PM	1	107.814	323442		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDJPY.fx	1:30:00 PM	1			1493.82	0.614421	14.9382	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDPLN	9:30:00 AM	1			3.9375	0.451933	0.039375	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/12/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/12/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/12/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AXP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BAC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BAC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BARC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BHP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BHP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BIDU	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BIDU	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BIDU	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#Bitcoin	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#Bitcoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#Bitcoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#Bitcoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BLT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BLT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BLT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#BP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BTA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BTA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BTA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#C	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#C	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#C	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#C	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#CAT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#CAT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#CHL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#CHL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#CHL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#CHL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/13/2019	#CL.f	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#CL.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#CMCSA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#CMCSA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#CMCSA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#CMCSA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#CSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#CSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#CSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#CVX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#CVX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#DD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#DD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#DD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#DIS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	#DIS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#DIS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#DWDP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#DWDP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#DWDP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#EBAY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#Ethereum	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#F	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#F	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#FB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#FB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#FCX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#FDX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#FSLR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#GE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#GE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#GE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#GE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#GEN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#GEN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#GEN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/13/2019	#GEN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#GILD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#GILD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#GILD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#GILD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#GOOG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#GOOG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#GOOG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#GOOG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#GSK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#HAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#HAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/13/2019	#HON	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#HON	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#HPQ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#HPQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#INTC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#JCP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#Litecoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#LLOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#LNKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#MCD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#NFLX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#ORAN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#PEP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#PFE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#QQQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	#Ripple	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#Ripple	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#Ripple	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#Ripple	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#S	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#SBUX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#SBUX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#SNE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#SNE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#SPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#T	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#TEVA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#TRI	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#TSCO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#TSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#TSLA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	#TSLA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#TSLA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#UBS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#UBS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#UL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#UPS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#UPS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#UTX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/13/2019	#VOD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#VZ	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#VZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#WDC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#WFC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#WFC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/13/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#XOM	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#XOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#XOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	#YHOO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#ZNGA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	AUDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	AUDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	AUDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/13/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/13/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/13/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/13/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDUSD	9:30:00 AM	1			0.68722	0.461574	0.3985876	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADPLN	9:30:00 AM	1			2.9537	0.440984	0.029537	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/13/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	EURAUD	9:30:00 AM	1			1.6127	0.402616	0.032254	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURAUD	11:30:00 AM	1			0.88473	0.5	0.0353892	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURCHF	11:30:00 AM	1			1.09684	0.484572	0.0219368	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURGBP	9:30:00 AM	1			0.89637	0.411111	0.0089637	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURGBP	11:30:00 AM	1			0.89612	0.493912	0.0179224	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURGBP	1:30:00 PM	1			0.89546	0.613461	0.089546	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURJPY	9:30:00 AM	1			117.077	0.427523	117.077	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURJPY	11:30:00 AM	1			119.875	0.534502	11.9875	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURJPY	1:30:00 PM	1			119.755	0.573912	3.59265	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURJPY.fx	11:30:00 AM	1			119.863	0.562002	1.19863	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURUSD	9:30:00 AM	1			1.10883	0.397731	0.554415	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURUSD	11:30:00 AM	1			1.10747	0.483322	0.110747	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURUSD	1:30:00 PM	1			1.11035	0.623808	0.0555175	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURUSD	3:30:00 PM	1	1.10925625	272877.04		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURUSD.fx	9:30:00 AM	1			1.6019	0.415787	0.016019	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURUSD.fx	11:30:00 AM	1			1.11034	0.52537	0.0111034	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/13/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPCHF.fx	11:30:00 AM	1			1.22051	0.485706	0.0244102	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPCHF.fx	1:30:00 PM	1			1.22815	0.575347	0.0122815	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPJPY	9:30:00 AM	1			0.87971	0.41537	0.0087971	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPJPY	11:30:00 AM	1			134.247	0.4861	1.34247	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPUSD	9:30:00 AM	1			1.23674	0.399711	0.123674	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPUSD	11:30:00 AM	1			1.12028	0.493796	0.0224056	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPUSD	1:30:00 PM	1			1.23517	0.577292	0.0123517	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPUSD.fx	9:30:00 AM	1			1.2357	0.404711	0.012357	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GOLD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GOLD	11:30:00 AM	1			1504.93	0.505394	15.0493	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GOLD	1:30:00 PM	1			1506.95	0.613866	60.278	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/13/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDUSD	11:30:00 AM	1			0.63849	0.552037	0.0063849	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCAD.fx	9:30:00 AM	1			132.23	0.405671	17.1899	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCHF	9:30:00 AM	1			0.98775	0.404167	0.098775	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCHF	11:30:00 AM	1			0.98715	0.522905	0.0098715	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCHF	1:30:00 PM	1			0.98572	0.64228	1.182864	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCHF	3:30:00 PM	1	0.98572	118286.4		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDJPY	1:30:00 PM	1			217.83	0.629317	2.1783	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/13/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/13/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	XAUUSD	9:30:00 AM	1			1504.95	0.41831	75.2475	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/13/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	#IP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	#KHC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	#MSFT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	#NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	#ORAN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	#ORAN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	#ORCL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



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9/14/2019	#POT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/14/2019	#TRI	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#TSLA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#TSLA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#TSLA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#TSLA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#TWTR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#TWTR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#TWTR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#UBS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	#UBS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#UBS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#UL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#UL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#UL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	#UL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	#UPS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#UPS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	#UTX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#UTX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#V	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	#V	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#V	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#VZ	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#VZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#VZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	#WDC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#WDC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#WFC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#WFC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#WFC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	#WMT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#WMT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	#XOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#XOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#YHOO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#YHOO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#ZNGA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	AUDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	AUDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/14/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	AUDNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	AUDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	CHF MXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF MXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF NOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF NOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF NOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF NOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF NOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF NOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF NOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF PLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF PLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF PLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF PLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF PLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF PLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF PLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF PLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF SEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF SEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHF SEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/14/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	EURGBP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	EURUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/14/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	GBPKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	GOLD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GOLD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GOLD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/14/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	USDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/14/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/14/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/14/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/14/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AXP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BAC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BAC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BARC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BHP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BHP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BIDU	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BIDU	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#Bitcoin	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#Bitcoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#Bitcoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#Bitcoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BLT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BLT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BLT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	#BTA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BTA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#BTA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#C	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#C	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#C	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#CMCSA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#CMCSA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#CSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#CSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#CVX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#DWDP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/15/2019	#DWDP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#EBAY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#EBAY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#EBAY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#Ethereum	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#FCX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/15/2019	#FCX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#FDX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#FSLR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#GILD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#GILD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/15/2019	#GOOG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#GOOG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#GS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#GS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#GSK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#GSK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#HAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#HAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#HAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#HD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#HON	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#HPQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#HSBA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#HSBA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#JCP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#MCD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#MRK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#SBUX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#TEVA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/15/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/15/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#YHOO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#YHOO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#ZNGA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/15/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	AUDNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	CADDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/15/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURGBP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/15/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GOLD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GOLD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GOLD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/15/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USD RUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USD RUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USD RUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/15/2019	USDRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/15/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/15/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AXP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BAC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BAC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BARC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BHP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BHP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BIDU	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BIDU	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BIDU	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#Bitcoin	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#Bitcoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#Bitcoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#Bitcoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	#BLT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BLT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BLT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BTA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BTA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BTA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#CAT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#CHL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#CHL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#CL.f	1:30:00 PM	1			0.69843	0.595451	0.0069843	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#CL.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#CMCSA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#CSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#CSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#CSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#CVX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#CVX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#DD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#DD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	#DD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#DD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#DIS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#DIS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#DIS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#DIS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#DWDP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#DWDP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#DWDP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#DWDP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#EBAY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#Ethereum	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#Ethereum	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#Ethereum	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#Ethereum	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#F	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#GILD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#NKE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#ORAN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#ORAN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#ORAN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#ORCL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#PBR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	#PEP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#POT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#QQQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#Ripple	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#Ripple	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#S	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#SBUX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#SNE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#SNE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#TEVA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#TEVA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#TRI	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#TRI	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#TRI	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#TRV	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#TRV	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#TSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#TSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#TSLA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#TSLA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#TSLA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#TWTR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#TWTR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#UBS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#UBS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#UBS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#UL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#UL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#UL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#UPS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#UPS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#UPS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/16/2019	#UTX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#UTX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#UTX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#V	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#V	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#VOD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#VOD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#VZ	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#VZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#WDC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#WFC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/16/2019	#WFC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#WMT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#XOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#YHOO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	AUDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/16/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/16/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDNZD	11:30:00 AM	1			1.24509	0.502963	0.0124509	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDUSD	9:30:00 AM	1			0.68732	0.421123	0.3986456	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADCHF	1:30:00 PM	1	0.74739	112.1085		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/16/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURAUD	9:30:00 AM	1			1.61326	0.464039	0.0483978	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURAUD	11:30:00 AM	1			1.60776	0.486273	0.562716	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURAUD	1:30:00 PM	1			0.96758	0.596597	0.0096758	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	EURCHF	1:30:00 PM	1			1.0944	0.57772	0.010944	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURGBP	11:30:00 AM	1			0.88953	0.524931	0.088953	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURGBP	1:30:00 PM	1			0.88674	0.633623	0.0177348	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURGBP.fx	9:30:00 AM	1			0.88941	0.445602	0.0088941	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURGBP.fx	1:30:00 PM	1			0.88941	0.628958	0.0088941	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURJPY	9:30:00 AM	1			119.468	0.442454	3.58404	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURJPY	11:30:00 AM	1			119.19	0.502199	1.1919	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURJPY	1:30:00 PM	1			1.11822	0.572477	0.0111822	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURJPY.fx	1:30:00 PM	1			118.974	0.636829	1.18974	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURNZD	1:30:00 PM	1			1.7334	0.570451	0.08667	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURUSD	9:30:00 AM	1			1.1073	0.462072	0.011073	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURUSD	11:30:00 AM	1			1.10604	0.481088	0.0331812	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURUSD	1:30:00 PM	1			1.10522	0.585694	0.055261	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURUSD.fx	9:30:00 AM	1			1.10885	0.417674	1.10885	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURUSD.fx	11:30:00 AM	1			1.10607	0.498495	0.0110607	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURUSD.fx	1:30:00 PM	1			1.10607	0.582361	0.0110607	Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/16/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPJPY	9:30:00 AM	1			1.09697	0.458356	0.0219394	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPJPY	11:30:00 AM	1			134.366	0.486609	2.68732	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPJPY	1:30:00 PM	1			1.11864	0.633646	0.0111864	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPNZD	11:30:00 AM	1			1.94755	0.482442	0.6816425	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	GBPUSD	9:30:00 AM	1			1.24549	0.414873	0.0373647	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPUSD	11:30:00 AM	1			1.2436	0.490694	0.012436	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPUSD	1:30:00 PM	1			1.24549	0.587986	0.0373647	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GOLD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GOLD	11:30:00 AM	1			1500.67	0.486169	15.0067	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GOLD	1:30:00 PM	1			1504.57	0.622407	15.0457	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/16/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCAD	9:30:00 AM	1			1.32432	0.404688	0.0132432	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCAD	11:30:00 AM	1			1.32498	0.51213	0.1457478	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCAD.fx	11:30:00 AM	1			0.66028	0.509491	0.066028	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCHF	9:30:00 AM	1			0.98726	0.468866	0.0098726	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCHF	11:30:00 AM	1			0.99002	0.534954	0.0297006	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDJPY	11:30:00 AM	1			105.888	0.502095	1.05888	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDJPY	1:30:00 PM	1			0.99121	0.592488	0.0198242	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDJPY.fx	11:30:00 AM	1			1.30259	0.501586	1.042072	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	USDJPY.fx	1:30:00 PM	1			1.79523	0.599109	0.0179523	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/16/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/16/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/16/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AXP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BAC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BAC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BARC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BHP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BHP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BIDU	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BIDU	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BIDU	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	#Bitcoin	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#Bitcoin	11:30:00 AM	1			10286.48	0.488264	102.8648	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#Bitcoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#Bitcoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BLT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BLT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BLT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BTA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BTA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BTA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#C	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	#C	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#C	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#C	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#CAT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#CAT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#CAT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#CAT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#CHL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#CHL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#CHL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#CHL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#CL.f	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#CL.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#CMCSA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#CMCSA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#CMCSA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#CSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	#CSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#CSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#CVX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#CVX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#CVX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#DD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#DIS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#DIS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#DIS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#DIS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#DWDP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#DWDP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#DWDP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#EBAY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#EBAY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/17/2019	#EBAY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#FB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#FB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#FB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#FCX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#FDX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#FDX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	#FSLR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#FSLR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#GE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#GE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#GE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#GEN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#GEN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#GEN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#GEN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#GILD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#GILD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#GILD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#GILD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#GOOG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#GOOG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#GOOG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#GS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	#GS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#GS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#HAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#HAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#HAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#HAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#HON	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#HSBA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#LLOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#Ripple	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#S	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#S	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#S	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#S	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#SBUX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#SBUX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	#SBUX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#SNE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#SNE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#SNE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#SNE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#SPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#SPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#SPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#T	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#TEVA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#TEVA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#TEVA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#TRI	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#TRI	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#TRI	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	#TRI	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#TSCO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#TSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#TSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#TSLA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#TSLA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#TWTR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#UBS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#UBS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#UBS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#UBS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	#UL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#UL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#UL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#UPS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#UPS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#UPS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#UTX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#UTX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#UTX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#UTX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#V	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	#V	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#VOD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#VOD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#VOD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#VZ	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	#VZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#VZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#WDC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#WDC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#WDC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#WFC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#WFC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#WFC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#WMT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#WMT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#WMT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#XOM	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#XOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#XOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#YHOO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#YHOO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#ZNGA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	AUDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	AUDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/17/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/17/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	AUDNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/17/2019	AUDNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/17/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/17/2019	AUDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDUSD	11:30:00 AM	1			0.68378	0.508669	0.0068378	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDUSD	1:30:00 PM	1			1.22697	0.616551	0.245394	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDUSD.fx	11:30:00 AM	1			0.68343	0.547454	0.0068343	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/17/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURAUD	1:30:00 PM	1			1.11821	0.572396	0.0111821	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURCAD	9:30:00 AM	1			1.45918	0.418843	0.218877	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURGBP	9:30:00 AM	1			0.88815	0.452569	0.017763	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURGBP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURGBP.fx	9:30:00 AM	1			0.8886	0.46331	0.008886	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURJPY	9:30:00 AM	1			119.201	0.475278	3.57603	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURJPY	1:30:00 PM	1			118.818	0.616701	1.18818	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/17/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURUSD	9:30:00 AM	1			1.09941	0.411493	0.0549705	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURUSD	11:30:00 AM	1			1.10009	0.531956	0.0220018	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURUSD	1:30:00 PM	1			1.1005	0.576007	0.011005	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPCHF.fx	11:30:00 AM	1			1.23256	0.533553	0.0123256	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	GBPJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPUSD	9:30:00 AM	1			1.24071	0.411319	0.124071	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPUSD	11:30:00 AM	1			1.24249	0.533704	0.0372747	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPUSD	1:30:00 PM	1			1.24086	0.606748	0.124086	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GOLD	9:30:00 AM	1			1503.44	0.413773	15.0344	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GOLD	11:30:00 AM	1			1.20846	0.51853	0.120846	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GOLD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDCAD	9:30:00 AM	1			0.84066	0.425556	0.0252198	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/17/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	USDCHF	9:30:00 AM	1			0.99348	0.410775	0.0198696	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCHF.fx	11:30:00 AM	1			0.99092	0.487431	0.0099092	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCHF.fx	1:30:00 PM	1			0.99482	0.576632	0.0099482	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDJPY	9:30:00 AM	1			108.237	0.404306	2.16474	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDJPY	1:30:00 PM	1			108.155	0.57691	32.4465	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/17/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/17/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	XAUUSD	1:30:00 PM	1			1504.38	0.637882	105.3066	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/17/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/18/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#CHL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#CMCSA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#CMCSA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#CSCO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#CSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#CSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#CSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#FCX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#FDX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#GILD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#IBM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#JCP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#JNJ	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#JNJ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#JNJ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#JPM	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#JPM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#JPM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#JPM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	#KHC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#KHC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#KHC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#KHC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#KO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#KO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#KO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#KO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#Litecoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#Litecoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#Litecoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#LLOY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#LLOY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#LLOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#LNKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#LNKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#LNKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#MA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/18/2019	#MA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#MA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#MCD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#MCD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#MDLZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#MDLZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#MDLZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#MGM	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#MGM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#MMM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#MMM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#MMM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#MO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#MO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#MRK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#MRK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#MRK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#MRVL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#MRVL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#MRVL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#MRVL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#MS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#MS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#MS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#MSFT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/18/2019	#MSFT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#MU	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#MU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#NFLX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#NFLX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#NFLX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#NFLX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#NG.f	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#NG.f	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#NG.f	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#NG.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#NKE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#NKE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#NKE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#NKE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#NOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#NOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#NOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	#NTDOY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#NTDOY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#NTDOY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#NTDOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#ORAN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#ORAN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#ORAN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#ORAN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#ORCL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#ORCL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#ORCL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#ORCL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#PBR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#PBR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#PBR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#PEP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#PEP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#PFE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	#PFE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#PG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#POT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#POT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#POT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#QCOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#QCOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#QQQ	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#QQQ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#QQQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#Ripple	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#Ripple	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/18/2019	#Ripple	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#S	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#S	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#SBUX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#SBUX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#SBUX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#SNE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#SNE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#SPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#SPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#SPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#T	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#T	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	#T	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#TEVA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#TEVA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#TEVA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#TRV	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#TSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#TSLA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#TSLA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	#TWTR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#TWTR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#TWTR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#UBS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#UBS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#UBS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#UBS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#UL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#UL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#UL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#UL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#UPS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#UPS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#UPS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#UTX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#UTX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#UTX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#V	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	#V	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#V	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#V	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#VOD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#VOD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#VZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#VZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#WDC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#WDC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#WFC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#WFC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#WFC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#WMT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#WMT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	#WMT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#XOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#XOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	#YHOO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#ZNGA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	AUDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/18/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	AUDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	AUDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDNZD	11:30:00 AM	1			1.07848	0.55015	0.0107848	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	AUDNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDUSD	9:30:00 AM	1			0.68414	0.432951	0.102621	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDUSD	11:30:00 AM	1			0.68908	0.483472	0.068908	Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/18/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	CADDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/18/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFJPY	9:30:00 AM	1			108.878	0.418472	5.4439	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURAUD	9:30:00 AM	1			1.10556	0.424201	0.0221112	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURCHF	11:30:00 AM	1			1.09945	0.504641	0.0109945	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURGBP	11:30:00 AM	1			1541.29	0.504769	15.4129	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURGBP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURGBP.fx	11:30:00 AM	1			0.88788	0.484919	0.0088788	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURJPY	9:30:00 AM	1			56.52	0.445498	0.5652	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURJPY	11:30:00 AM	1			119.504	0.504537	11.9504	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURJPY	1:30:00 PM	1			119.472	0.576354	1.19472	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURJPY.fx	11:30:00 AM	1			14.2125	0.559514	4.26375	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/18/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURUSD	9:30:00 AM	1			1.10613	0.416343	0.0553065	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURUSD	11:30:00 AM	1			1.10477	0.484988	0.0110477	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURUSD	1:30:00 PM	1			1.11473	0.567593	0.0111473	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURUSD.fx	1:30:00 PM	1			1.25593	0.576528	0.2888639	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPCHF.fx	11:30:00 AM	1			1.24132	0.559363	0.0248264	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPCHF.fx	1:30:00 PM	1			1.24132	0.605961	0.0248264	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPNZD	11:30:00 AM	1			1.96572	0.499884	0.294858	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPUSD	9:30:00 AM	1			1.24891	0.423368	0.0124891	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPUSD	11:30:00 AM	1			1.24646	0.49581	0.0124646	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPUSD	1:30:00 PM	1			1.24926	0.5764	0.187389	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GOLD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GOLD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GOLD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/18/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	USDCAD	9:30:00 AM	1			1.32657	0.47581	0.795942	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCAD	11:30:00 AM	1			1.32488	0.535787	0.132488	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCHF	9:30:00 AM	1			0.99456	0.439826	0.0298368	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCHF.fx	1:30:00 PM	1			0.9951	0.636331	0.019902	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDJPY	9:30:00 AM	1			108.223	0.432697	1.08223	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDJPY	11:30:00 AM	1			1.24443	0.495845	0.0124443	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/18/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	USDRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/18/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/18/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AXP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	#BAC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BAC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BARC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BHP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BHP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BIDU	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BIDU	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BIDU	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#Bitcoin	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#Bitcoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#Bitcoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#Bitcoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	#BK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BLT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BLT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BLT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BTA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#BTA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#CAT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#CMCSA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#CMCSA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#CVX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



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9/19/2019	#DIS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#DWDP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#EBAY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#GILD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#GILD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#GILD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#GOOG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#GS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#HAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#HON	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#HON	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#HON	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#HPQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#HSBA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#INTC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#JCP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/19/2019	#Litecoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#MRK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#MRVL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



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9/19/2019	#NG.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/19/2019	#NKE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#NTDOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#TEVA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#TRI	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/19/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	#XOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#XOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#YHOO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#YHOO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#ZNGA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/19/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	AUDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/19/2019	AUDUSD.fx	1:30:00 PM	1			0.67919	0.632465	0.0135838	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/19/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURGBP	9:30:00 AM	1			0.8846	0.471736	0.477684	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURGBP	11:30:00 AM	1			0.88703	0.53316	0.088703	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURGBP	1:30:00 PM	1			0.88591	0.58544	0.0265773	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURJPY	9:30:00 AM	1			119.31	0.43956	3.5793	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	EURJPY	11:30:00 AM	1			0.91459	0.49669	0.0091459	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURJPY.fx	11:30:00 AM	1			119.425	0.503322	2.3885	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/19/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURUSD	9:30:00 AM	1			1.10445	0.398727	0.0110445	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURUSD	11:30:00 AM	1			135.719	0.484016	1.35719	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURUSD	1:30:00 PM	1			1.10653	0.603831	0.0110653	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPAUD.fx	1:30:00 PM	1			1.83483	0.64375	0.0183483	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPCHF.fx	11:30:00 AM	1			1.23678	0.525405	0.0247356	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPCHF.fx	1:30:00 PM	1			1.23678	0.578368	0.0247356	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	GBPKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPJPY	11:30:00 AM	1			134.946	0.511551	1620.70146	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPUSD	9:30:00 AM	1			1.24824	0.448148	31.2184824	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPUSD	11:30:00 AM	1			1.24805	0.482616	0.624025	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPUSD	1:30:00 PM	1			1.24642	0.57838	0.0124642	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GOLD	9:30:00 AM	1			1493.54	0.431493	59.7416	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GOLD	11:30:00 AM	1			1496.14	0.496424	14.9614	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	GOLD	1:30:00 PM	1			1498.9	0.63066	59.956	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/19/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCAD	9:30:00 AM	1			1.32902	0.424688	0.0132902	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCAD	1:30:00 PM	1			1.32945	0.605104	0.026589	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCAD.fx	1:30:00 PM	1			1.3277	0.606863	0.026554	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCHF	9:30:00 AM	1			0.9978	0.433461	0.009978	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCHF	11:30:00 AM	1			0.99239	0.483507	0.0099239	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCHF	1:30:00 PM	1			0.99696	0.596968	0.099696	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCHF.fx	9:30:00 AM	1			1.108	0.439375	0.14404	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDJPY	11:30:00 AM	1			108.016	0.494398	32.4048	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDJPY	1:30:00 PM	1			107.944	0.587014	3.23832	Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/19/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDNOK	9:30:00 AM	1			1.09697	0.458345	0.0438788	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDNOK	11:30:00 AM	1			8.9371	0.49228	0.89371	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USD RUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USD RUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USD RUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USD RUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USD SGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/19/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/19/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AXP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BAC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BARC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BHP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BHP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BIDU	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	#BIDU	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#Bitcoin	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#Bitcoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#BP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#BTA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#CAT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#CL.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#CMCSA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#CMCSA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#CMCSA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/20/2019	#CMCSA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#CSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#CVX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#CVX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#CVX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#DD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#DD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#DD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#DIS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#DIS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#DIS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#DIS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#DWDP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#DWDP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	#EBAY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#GILD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#GSK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#GSK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#HAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#Litecoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#NFLX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#NG.f	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#NG.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#NKE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#NKE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#NKE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#NKE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#NOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#NTDOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#ORAN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	#ORAN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#ORAN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#PBR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#PBR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#QQQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#Ripple	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#Ripple	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#Ripple	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#S	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#SBUX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#SNE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#SNE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#SPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#T	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#T	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#TEVA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#TEVA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#TEVA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#TEVA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	#TRI	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#TRI	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#TRI	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#TRI	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#TRV	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#TSCO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#TSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#TSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#TSLA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#TSLA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#TWTR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#UBS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	#UBS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#UBS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#UL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#UPS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#UPS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#UTX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#UTX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#UTX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#V	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#VOD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	#VOD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#VZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#WDC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#WFC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#WFC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#WMT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	AUDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/20/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/20/2019	AUDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	AUDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDUSD	11:30:00 AM	1			0.67939	0.506447	0.0203817	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDUSD.fx	11:30:00 AM	1			0.67937	0.552396	0.0135874	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/20/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCHF	1:30:00 PM	1			1.09734	0.597604	0.0438936	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURGBP	9:30:00 AM	1			0.88001	0.41669	0.0352004	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURGBP	1:30:00 PM	1			1.12174	0.625324	0.673044	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURGBP.fx	9:30:00 AM	1			0.87971	0.41537	0.0087971	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURJPY	9:30:00 AM	1			119.186	0.4475	3.57558	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURJPY	11:30:00 AM	1			0.67752	0.480613	0.0067752	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURJPY	1:30:00 PM	1			119.27	0.616713	3.5781	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/20/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURUSD	9:30:00 AM	1			1.10675	0.432512	0.0553375	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURUSD	11:30:00 AM	1			1.10544	0.485324	0.0331632	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURUSD	1:30:00 PM	1			1.10436	0.569583	0.0110436	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURUSD.fx	1:30:00 PM	1			1.10323	0.631227	0.0220646	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPJPY	9:30:00 AM	1			135.503	0.421921	4.06509	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPNZD	1:30:00 PM	1			1.99241	0.597361	0.0199241	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPUSD	9:30:00 AM	1			1.2563	0.423924	0.012563	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPUSD	11:30:00 AM	1			0.89679	0.488958	0.0179358	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPUSD	1:30:00 PM	1			1.25553	0.576725	0.1632189	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GOLD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GOLD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GOLD	1:30:00 PM	1			1506.88	0.609387	60.2752	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/20/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDUSD	9:30:00 AM	1			0.63006	0.403368	0.063006	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDUSD.fx	1:30:00 PM	1	0.63007	630.07		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCAD	11:30:00 AM	1			1.32698	0.522894	0.0132698	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCAD	3:30:00 PM	1	1.32898	7973.88		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCHF	9:30:00 AM	1			0.98971	0.431447	0.0197942	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/20/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDJPY	9:30:00 AM	1			107.794	0.434838	134.7425	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDJPY	11:30:00 AM	1			107.968	0.480856	1.07968	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDJPY.fx	9:30:00 AM	1			107.924	0.430729	1.07924	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/20/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/20/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#AXP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BAC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BAC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BARC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BHP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BHP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BIDU	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BIDU	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BIDU	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#Bitcoin	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#Bitcoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#Bitcoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#Bitcoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BLT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BLT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	#BLT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#BP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BTA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BTA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BTA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#C	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#C	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#C	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#C	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#CAT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#CHL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#CHL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#CHL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/21/2019	#CHL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#CL.f	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#CL.f	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#CL.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#CMCSA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#CMCSA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#CMCSA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#CSCO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#CSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#CSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#CSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#CVX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#CVX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#CVX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#DD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#DIS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#DIS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#DIS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#DWDP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#DWDP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#DWDP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#DWDP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#EBAY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#Ethereum	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#Ethereum	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#F	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#F	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#FB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#FCX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#FCX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#FSLR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#GE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#GE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#GE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#GEN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#GEN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	#GEN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#GEN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#GILD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#GILD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#GILD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#GILD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#GSK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#HAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#HAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#HPQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#HSBA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#IBM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/21/2019	#ILMN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#ILMN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#INTC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#INTC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#INTC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#JCP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#Litecoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#Litecoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#LLOY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#LLOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#LNKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/21/2019	#MCD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#MCD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#MMM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



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9/21/2019	#MO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#MRK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#MRK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#MRK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#NG.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#NTDOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#ORAN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#PBR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#PEP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	#PEP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#PEP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#QQQ	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#QQQ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	#QQQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#Ripple	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#Ripple	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#Ripple	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#SBUX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#SBUX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#SNE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#SPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#SPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#SPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/21/2019	#TEVA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#TRI	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#TRI	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#TSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#TSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#TSLA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	#TSLA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#TSLA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#UBS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#UPS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#UPS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#UTX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	#UTX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#UTX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#V	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#VOD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#VOD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#VZ	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#VZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#VZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#WDC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#WFC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#WFC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#WFC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/21/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	#XOM	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#XOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#XOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#YHOO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#YHOO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#ZNGA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	AUDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/21/2019	AUDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	AUDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/21/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADDDK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADDDK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADDDK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADDDK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/21/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURGBP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/21/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	GBPKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	GBPUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GOLD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GOLD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GOLD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/21/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/21/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USD RUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USD RUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USD RUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USD RUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USD SEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USD SEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USD SEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USD SEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USD SEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USD SEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USD SEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USD SEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USD SGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USD SGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USD SGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USD SGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USD SGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USD SGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/21/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/21/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#JPM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#KHC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#Litecoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/22/2019	#LLOY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#LLOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#LNKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#MDLZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/22/2019	#MDLZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#MGM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#MMM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#MRK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	#MRVL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#MRVL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#MS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#MSFT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#NG.f	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#NG.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#NKE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#NKE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#NKE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#NOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#NTDOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#ORAN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#ORAN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#ORCL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	#ORCL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#ORCL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#PBR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#QQQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#Ripple	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#SBUX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#SBUX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/22/2019	#SPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#UBS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#UBS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#UL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#UL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#UL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#UTX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#V	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	#V	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#VZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/22/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/22/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	AUDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	AUDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	AUDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	AUDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/22/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	CADDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/22/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	CHF MXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF MXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF MXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF NOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF NOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF NOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF NOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF NOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF NOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF NOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF PLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF PLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF PLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF PLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF PLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF PLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF PLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF PLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF SEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHF SEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	EURGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURGBP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/22/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	EURUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/22/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/22/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/22/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GOLD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GOLD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GOLD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	USDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/22/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	USDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USD RUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USD RUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USD RUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USD RUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/22/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/22/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AXP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BAC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BAC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BARC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BHP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BHP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BIDU	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BIDU	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BIDU	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#Bitcoin	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#Bitcoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#Bitcoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#Bitcoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BLT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BLT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BLT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/23/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BTA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BTA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BTA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#C	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#C	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	#CL.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/23/2019	#CMCSA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	#CVX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	#FSLR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	#GILD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	#GILD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	#GSK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	#HSBA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	#MGM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	#MO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	#NG.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	#NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	#ORAN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	#ORCL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	#TRI	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	#V	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/23/2019	#ZNGA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDCAD	11:30:00 AM	1			0.90065	0.49338	0.090065	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	AUDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	AUDNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	CADDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/23/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURCHF	9:30:00 AM	1			1.09174	0.437442	0.0436696	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURCHF	11:30:00 AM	1			1.08743	0.492373	0.0434972	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURGBP	1:30:00 PM	1	0.88341	883.41		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURJPY	9:30:00 AM	1			118.666	0.426968	1.18666	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURJPY	11:30:00 AM	1			0.88473	0.5	0.0353892	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURJPY	1:30:00 PM	1	118.495	118495		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/23/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURNZD	1:30:00 PM	1			1.75059	0.577975	0.0875295	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURUSD	9:30:00 AM	1			1.1	0.437604	0.022	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURUSD	11:30:00 AM	1			1.09823	0.481551	0.0549115	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURUSD	1:30:00 PM	1			1.0982	0.584491	0.010982	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURUSD.fx	11:30:00 AM	1			1.0977	0.502975	1.0977	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPUSD	9:30:00 AM	1			1.2448	0.399306	0.049792	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPUSD	11:30:00 AM	1			1.25544	0.489178	0.062772	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPUSD	1:30:00 PM	1			1.24465	0.579838	0.124465	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/23/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GOLD	9:30:00 AM	1			1517.07	0.447743	15.1707	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GOLD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GOLD	1:30:00 PM	1			1520.47	0.579537	15.2047	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCAD	9:30:00 AM	1			1.32885	0.442049	1.6610625	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCAD	11:30:00 AM	1			1.32987	0.520116	0.132987	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCHF	9:30:00 AM	1			1.21256	0.454815	0.121256	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCHF	11:30:00 AM	1			0.99008	0.486019	0.396032	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/23/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDJPY	9:30:00 AM	1			1.10452	0.401111	0.0220904	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDJPY	11:30:00 AM	1			107.722	0.496134	1.07722	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDJPY	1:30:00 PM	1			1.12151	0.588449	0.0112151	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDJPY.fx	9:30:00 AM	1			107.763	0.420405	1.07763	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	USDRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/23/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/23/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/23/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AXP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#BABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#BAC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#BAC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#BHP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#BHP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#BIDU	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#Bitcoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#Bitcoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#BK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#BK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/24/2019	#BK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#BP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#BP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#CL.f	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#CL.f	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#CMCSA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#DIS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#DWDP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#DWDP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#DWDP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#Ethereum	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#Ethereum	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#GSK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/24/2019	#HAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#KHC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#NG.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#NTDOY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#NTDOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#ORAN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#ORAN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#ORAN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#ORAN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#ORCL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#ORCL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#ORCL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#PBR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#PBR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	#PBR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#POT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#POT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#QCOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#QCOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/24/2019	#QQQ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#QQQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#Ripple	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#Ripple	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#Ripple	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#Ripple	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#S	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#S	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#SBUX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#SBUX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#SBUX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#SNE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#SNE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#SNE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#SPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#SPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#T	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#TEVA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#TEVA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#TEVA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#TRI	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#TRI	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#TRI	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#TRI	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#TRV	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#TSCO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#TSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	#TSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#TSLA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#TSLA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#TSLA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#TSLA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#TWTR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#TWTR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#UBS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#UBS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#UBS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#UBS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#UL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#UL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#UL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#UPS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#UPS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#UPS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/24/2019	#UPS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#UTX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#UTX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#UTX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#V	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#V	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#VOD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#VOD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#VZ	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#VZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#VZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#WDC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#WDC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	#WFC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#WFC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#WFC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#WMT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#XOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#XOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#YHOO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/24/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDJPY	11:30:00 AM	1			72.77	0.524352	145.54	Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDUSD	11:30:00 AM	1			0.679	0.545185	0.0679	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	BCHUSD	11:30:00 AM	1			1.12923	0.53544	0.0112923	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADJPY	9:30:00 AM	1			81.098	0.465671	52.7137	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/24/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFJPY.fx	11:30:00 AM	1			108.403	0.519583	1.08403	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURAUD	11:30:00 AM	1			1.6126	0.547523	0.129008	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURAUD	1:30:00 PM	1			118.223	0.583333	4.72892	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURAUD.fx	11:30:00 AM	1			1.62596	0.547535	0.2601536	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURCHF	9:30:00 AM	1			1.25679	0.467338	0.0251358	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURCHF	1:30:00 PM	1			1.08714	0.596169	0.0108714	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURCHF.fx	11:30:00 AM	1			1.08848	0.519699	0.0108848	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURGBP	1:30:00 PM	1			0.88341	0.595926	0.0088341	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURGBP.fx	11:30:00 AM	1			0.88371	0.518519	0.0088371	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	EURGBP.fx	1:30:00 PM	1			0.88209	0.576227	0.88209	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURJPY	9:30:00 AM	1			118.145	0.418183	1.18145	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURJPY	11:30:00 AM	1			118.35	0.503507	3.5505	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURJPY	1:30:00 PM	1			118.223	0.583333	4.72892	Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/24/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURNZD	1:30:00 PM	1			1.12084	0.567072	0.0112084	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURUSD	9:30:00 AM	1			1.09917	0.428333	1.09917	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURUSD	11:30:00 AM	1			1.09881	0.522083	0.0329643	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURUSD	1:30:00 PM	1			1.0995	0.600949	0.054975	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPCHF	9:30:00 AM	1			1.23074	0.467546	0.0123074	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/24/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPUSD	9:30:00 AM	1			1.24185	0.461563	0.1614405	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPUSD	11:30:00 AM	1			1.24185	0.501424	0.1614405	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPUSD	1:30:00 PM	1			1.24375	0.5825	0.1865625	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPUSD.fx	11:30:00 AM	1			1.24422	0.511725	0.0124422	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GOLD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GOLD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GOLD	1:30:00 PM	1			1.25172	0.608021	0.125172	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDUSD	9:30:00 AM	1			0.62935	0.467153	0.0062935	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDUSD	11:30:00 AM	1			0.62945	0.537616	0.0062945	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCAD	9:30:00 AM	1			1.32529	0.477778	0.0132529	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCAD	11:30:00 AM	1			1.32978	0.485023	0.132978	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCAD.fx	11:30:00 AM	1			1.3251	0.492025	1.3251	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCHF	9:30:00 AM	1			1.19825	0.464745	0.071895	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCHF	11:30:00 AM	1			0.98944	0.534884	0.395776	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCHF	1:30:00 PM	1			0.98856	0.628681	0.197712	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCHF.fx	1:30:00 PM	1			0.98879	0.603542	0.0098879	Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/24/2019	USDCHE.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDJPY	11:30:00 AM	1			107.66	0.492222	1.0766	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDJPY	1:30:00 PM	1			107.596	0.582523	1.07596	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	USDJPY.fx	11:30:00 AM	1			107.408	0.492407	1.07408	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDPLN	11:30:00 AM	1			3.9819	0.502303	0.039819	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/24/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/24/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/24/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#BHP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#BHP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#BIDU	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#BIDU	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#BIDU	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/25/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#Bitcoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#Bitcoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#Bitcoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#BK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#BLT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#BLT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#BP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#BTA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/25/2019	#CHL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#CMCSA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#DWDP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#F	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#FCX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#GE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#GEN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#GS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#GSK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#GSK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#HAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#HAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#HAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#HSBA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#ILMN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#INTC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#INTC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#JPM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#Litecoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#LLOY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#LLOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#LNKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#LNKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#LNKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#MA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#MCD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/25/2019	#MMM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#MO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#MRVL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#NG.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#ORAN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#POT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#QCOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#Ripple	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#Ripple	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#Ripple	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#Ripple	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#S	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#S	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#S	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#SBUX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	#SBUX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#SNE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#SPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#TEVA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#TEVA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#TRI	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/25/2019	#TRI	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#TRV	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#TSCO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#TSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#TSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#TSLA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#TSLA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#TSLA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#TWTR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#UBS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#UBS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/25/2019	#UBS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#UPS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#UPS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#UPS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#UTX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#UTX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#UTX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#V	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#VOD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#VOD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	#VZ	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#VZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#WDC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#WDC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#WDC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#WFC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#WFC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#WFC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#WMT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#WMT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#WMT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#XOM	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#XOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#YHOO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	#YHOO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#ZNGA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	AUDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/25/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/25/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDUSD	9:30:00 AM	1			0.67802	0.477708	0.0067802	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/25/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	CHFJPY.fx	1:30:00 PM	1			108.82	0.604641	1.0882	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURGBP	11:30:00 AM	1			0.88473	0.5	0.0353892	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURGBP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURGBP.fx	11:30:00 AM	1			0.88367	0.505914	0.0088367	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/25/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURJPY	9:30:00 AM	1			117.962	0.449803	3.53886	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURJPY	11:30:00 AM	1			118.03	0.550417	1.1803	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURUSD	11:30:00 AM	1			1.09981	0.537801	0.0219962	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURUSD	1:30:00 PM	1			1.10015	0.571898	0.0550075	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURUSD.fx	1:30:00 PM	1			1.09923	0.604225	0.0109923	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPCHF.fx	11:30:00 AM	1			1.22645	0.542894	0.024529	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPCHF.fx	1:30:00 PM	1			1.22645	0.620891	0.024529	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	GBPJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/25/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPUSD	9:30:00 AM	1			1.2491	0.425382	0.162383	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPUSD	1:30:00 PM	1			1.24267	0.581053	0.1739738	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GOLD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GOLD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GOLD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDUSD.fx	1:30:00 PM	1			0.62996	0.630995	0.0125992	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCAD	11:30:00 AM	1			1.23167	0.500498	0.0246334	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCAD	1:30:00 PM	1			1.32672	0.587535	0.0132672	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCAD	3:30:00 PM	1	1.3274	2654.8		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCAD.fx	1:30:00 PM	1			1.32616	0.567824	0.0265232	Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/25/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCHF	9:30:00 AM	1			0.98557	0.47353	0.5420635	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCHF	1:30:00 PM	1			0.98683	0.611887	0.394732	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCHF.fx	1:30:00 PM	1			0.98644	0.608738	0.0098644	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDJPY	9:30:00 AM	1			107.499	0.444722	21.4998	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDJPY	1:30:00 PM	1			107.45	0.622639	1.0745	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/25/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/25/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/26/2019	#BTA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#CMCSA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#CMCSA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#CSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#CVX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#DWDP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#GEN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#GEN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/26/2019	#GILD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#IBM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#JCP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#JCP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#JCP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#JNJ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#JPM	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#JPM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/26/2019	#JPM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#KHC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#KO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#KO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#KO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#Litecoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#Litecoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#LLOY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#LLOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#LNKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#LNKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#LNKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#LNKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/26/2019	#MA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#MCD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#MDLZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#MDLZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#MMM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#MMM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#MO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	#MO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#MRK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#MRK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#MRK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#MRVL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#MRVL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#MRVL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#MS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#MS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#MSFT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	#MSFT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#MSFT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#NFLX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#NFLX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#NFLX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#NG.f	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#NG.f	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#NG.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#NKE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#NKE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#NKE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#NKE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#NOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#NOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	#NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#NTDOY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#NTDOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#ORAN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#ORAN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#ORAN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#ORAN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#ORCL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#ORCL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#ORCL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#PBR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#PBR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#PBR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#PEP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#PEP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#PEP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/26/2019	#POT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#POT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#POT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#QCOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#QQQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#SBUX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#SNE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#SPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#TEVA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#TEVA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#TEVA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#TSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#TSLA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/26/2019	#TSLA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#TWTR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#TWTR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#TWTR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#UBS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#UBS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#UBS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#UBS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#UL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#UL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#UL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#UL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#UPS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#UPS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#UPS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#UPS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#UTX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#UTX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	#V	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#V	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#V	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#V	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#VZ	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#VZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#WDC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#WFC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#WFC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#WMT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#XOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#XOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	#YHOO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#ZNGA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	AUDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	AUDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	AUDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	AUDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	AUDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	AUDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	AUDUSD	11:30:00 AM	1			0.67537	0.509039	0.3714535	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDUSD	1:30:00 PM	1			0.67615	0.644225	0.0067615	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDUSD.fx	9:30:00 AM	1			135.125	0.474051	13.5125	Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/26/2019	AUDUSD.fx	1:30:00 PM	1			1.61714	0.637188	0.0646856	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/26/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	CHFCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFJPY.fx	9:30:00 AM	1			108.849	0.452824	1.08849	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFGBP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFGBP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFGBP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFGBP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	EURAUD	11:30:00 AM	1			1.62026	0.517593	0.0648104	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURAUD	1:30:00 PM	1			1.61841	0.568981	0.0647364	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURCAD	1:30:00 PM	1			1.45	0.645799	0.8265	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURCAD.fx	1:30:00 PM	1			1.11131	0.6125	0.111131	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURGBP	9:30:00 AM	1			0.88676	0.417894	0.088676	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURGBP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/26/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURJPY	9:30:00 AM	1			117.962	0.401528	3.53886	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURJPY	11:30:00 AM	1			118.042	0.482153	1.18042	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURJPY	1:30:00 PM	1			117.691	0.566678	4.70764	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURNZD	11:30:00 AM	1			1.7349	0.557141	0.69396	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURNZD	1:30:00 PM	1			1.7349	0.636019	0.69396	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURUSD	9:30:00 AM	1			1.09606	0.398009	0.054803	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURUSD	11:30:00 AM	1			1.09382	0.494167	0.0328146	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURUSD	1:30:00 PM	1			1.0928	0.572106	0.05464	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURUSD	3:30:00 PM	1	1.09443	4377.72		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURUSD.fx	11:30:00 AM	1			1.12251	0.51353	0.0112251	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPCAD	11:30:00 AM	1			1.63202	0.527037	0.0163202	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPCHF	11:30:00 AM	1			1.22396	0.514792	0.6976572	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPCHF	1:30:00 PM	1			1.22396	0.584873	0.6976572	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPJPY	9:30:00 AM	1			132.952	0.457755	3.98856	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPJPY	1:30:00 PM	1			132.952	0.582211	3.98856	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPNZD	1:30:00 PM	1			1.95434	0.63912	0.781736	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPNZD.fx	11:30:00 AM	1			1.95747	0.503333	0.0195747	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/26/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPUSD	9:30:00 AM	1			1.23478	0.443495	0.0123478	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPUSD	11:30:00 AM	1			1.2326	0.481065	0.024652	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPUSD	1:30:00 PM	1			1.23378	0.563935	0.0123378	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPUSD.fx	11:30:00 AM	1			1.23209	0.543808	4.92836	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPUSD.fx	1:30:00 PM	1			1.23209	0.581863	4.92836	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GOLD	9:30:00 AM	1			1505.16	0.419201	45.1548	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GOLD	11:30:00 AM	1			1507.57	0.542674	30.1514	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GOLD	1:30:00 PM	1			1503.72	0.645012	30.0744	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	GOLD	3:30:00 PM	1	1507.57	3015.14		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDCHF	11:30:00 AM	1			0.62672	0.55934	0.250688	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	SPX500.i	11:30:00 AM	1			2993.83	0.491157	2993.83	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/26/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCAD	9:30:00 AM	1			1.32508	0.417581	0.132508	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCAD	1:30:00 PM	1			1.327	0.629711	0.02654	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCHF	9:30:00 AM	1			0.98557	0.434259	0.5420635	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCHF	11:30:00 AM	1			0.99373	0.485764	0.99373	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCHF	3:30:00 PM	1	0.99338	1986.76		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCHF.fx	11:30:00 AM	1			0.99166	0.548194	0.0099166	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDJPY	9:30:00 AM	1			107.684	0.402361	1.07684	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDJPY	1:30:00 PM	1			1.11906	0.625602	0.111906	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDJPY	3:30:00 PM	1	107.682	215364		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD RUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD RUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD RUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD RUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD SEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD SEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD SEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD SEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD SEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD SEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD SEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD SEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD SGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD SGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD SGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD SGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD SGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD SGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD SGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USD SGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/26/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	XAUUSD	11:30:00 AM	1			1507.04	0.529039	150.704	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/26/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AXP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/27/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BAC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BAC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BARC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BHP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BHP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#BIDU	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#LNKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#MA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#MDLZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#MDLZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#MRVL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#NFLX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#NG.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#NKE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#NOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#NOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#NOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#NTDOY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#NTDOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#ORAN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#ORAN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#ORAN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#ORCL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#ORCL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#ORCL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#ORCL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/27/2019	#PBR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#PEP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#PEP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#PEP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#PEP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#PFE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#QQQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#S	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#SBUX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#SNE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/27/2019	#SPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#VZ	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#VZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#VZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#WDC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	#WDC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#WFC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#WFC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#WMT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#XOM	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#XOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#XOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	#YHOO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#ZNGA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	AUDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	AUDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	AUDNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	AUDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDUSD.fx	11:30:00 AM	1			0.67516	0.556713	0.0067516	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDUSD.fx	1:30:00 PM	1			0.67475	0.58184	0.0067475	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/27/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADDDK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADDDK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADDDK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADDDK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/27/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	DAX30.i	9:30:00 AM	1			12355	0.478241	12355	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURAUD	9:30:00 AM	1			1.61507	0.416667	0.0646028	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURGBP	9:30:00 AM	1			0.88609	0.420891	0.0177218	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURGBP	11:30:00 AM	1			0.88921	0.508773	1.77842	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURGBP	1:30:00 PM	1			0.88921	0.631898	1.77842	Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/27/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	EURJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURJPY	11:30:00 AM	1			117.858	0.497176	3.53574	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURJPY	1:30:00 PM	1			118.03	0.583137	1.1803	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURUSD	9:30:00 AM	1			1.09124	0.424734	0.054562	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURUSD	11:30:00 AM	1			1.09214	0.5236	0.0436856	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURUSD	1:30:00 PM	1			1.09203	0.581609	0.0546015	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPJPY	9:30:00 AM	1			132.896	0.409109	13.2896	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPJPY	11:30:00 AM	1			132.567	0.481852	3.97701	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/27/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPUSD	9:30:00 AM	1			1.23495	0.417025	0.172893	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPUSD	11:30:00 AM	1			1.22766	0.501794	0.0122766	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPUSD	1:30:00 PM	1			106.344	0.567905	21.2688	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPUSD.fx	11:30:00 AM	1	1.24422	1244.22		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GOLD	9:30:00 AM	1			1506.49	0.411574	30.1298	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	GOLD	11:30:00 AM	1			61.49	0.542558	0.6149	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GOLD	1:30:00 PM	1			1497.68	0.616516	29.9536	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	NZDUSD.fx	1:30:00 PM	1			1.11168	0.603484	0.0333504	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	SILVER	9:30:00 AM	1			17.515	0.464167	0.7006	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	SILVER	11:30:00 AM	1			17.915	0.543634	3.76215	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/27/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	SPX500.i	11:30:00 AM	1			2978.33	0.511806	2978.33	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCHF	1:30:00 PM	1			0.99248	0.614711	0.198496	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCHF.fx	11:30:00 AM	1			0.99271	0.551944	0.0198542	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDJPY	9:30:00 AM	1			107.817	0.409178	10.7817	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDJPY	11:30:00 AM	1			107.909	0.494664	21.5818	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	USDJPY	1:30:00 PM	1			107.9	0.565104	10.79	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDJPY.fx	9:30:00 AM	1			107.803	0.403414	1.07803	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDJPY.fx	1:30:00 PM	1			108.126	0.570347	1.08126	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDPLN	9:30:00 AM	1			4.0129	0.430498	0.040129	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USD RUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USD RUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USD RUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USD RUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/27/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/27/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AMD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AMZN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AXP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/28/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BAC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BAC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BARC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BHP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BHP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	#BIDU	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BIDU	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BIDU	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#Bitcoin	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#Bitcoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#Bitcoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#Bitcoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BLT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BLT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BLT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BTA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	#BTA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BTA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#C	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#C	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#C	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#C	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#CAT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#CAT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#CAT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#CAT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#CHL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#CHL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#CHL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#CHL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#CL.f	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#CL.f	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#CL.f	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#CL.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#CMCSA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#CMCSA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	#CMCSA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/28/2019	#DWDP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/28/2019	#GILD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/28/2019	#GSK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#GSK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#HAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/28/2019	#JCP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/28/2019	#MS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/28/2019	#NG.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/28/2019	#NTDOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/28/2019	#S	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/28/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#SNE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/28/2019	#SNE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/28/2019	#TEVA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/28/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/28/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	#TSLA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/28/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/28/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/28/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/28/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/28/2019	AUDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	AUDNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/28/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/28/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURGBP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/28/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GOLD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GOLD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GOLD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/28/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/28/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/28/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#AIG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#AIG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#AMD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#AMD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/29/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#AMZN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#AMZN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#AMZN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#AXP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#AXP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#AXP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#BABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BAC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#BAC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BAC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	#BARC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BARC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BARC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BARC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BHP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BHP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BHP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BIDU	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BIDU	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BIDU	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BIDU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#Bitcoin	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#Bitcoin	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#Bitcoin	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#BLT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	#BLT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BLT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#BP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#BTA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BTA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#C	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#C	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#CAT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#CHL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/29/2019	#CHL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#CL.f	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#CMCSA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#CMCSA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#CSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#CVX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#CVX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#DD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#DWDP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#Ethereum	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#F	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#F	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#F	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	#FB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#FB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#FB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#FB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#FCX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#FSLR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#GE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#GEN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#GEN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#GILD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#GILD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#GSK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#MCD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#NKE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/29/2019	#NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#ORAN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#PG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#PG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#PG	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#PG	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#POT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#POT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#POT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#POT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#QCOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#QCOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#QQQ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	#QQQ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#QQQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#Ripple	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#Ripple	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#S	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#SBUX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#SBUX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#SBUX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#SNE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#SNE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#SNE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#SPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#SPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/29/2019	#SPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#T	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#TEVA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#TEVA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#TRI	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#TRI	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#TRI	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#TRV	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#TSCO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#TSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#TSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	#TSLA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#TSLA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#TSLA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#TSLA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#TWTR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#TWTR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#TWTR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#UBS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#UBS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#UBS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#UBS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#UL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#UL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#UL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#UPS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#UPS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#UPS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#UPS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#UTX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	#UTX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#UTX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#UTX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#V	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#V	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#V	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#V	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#VOD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#VOD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#VOD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#VZ	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#VZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#VZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#WDC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#WDC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#WDC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#WFC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#WFC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	#WFC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#WMT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#WMT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#XOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#XOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#ZNGA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	AUDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/29/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	AUDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	AUDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/29/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/29/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	CHFNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/29/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURGBP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURGBP.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURGBP.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	EURNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/29/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	GBPUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GOLD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GOLD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GOLD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/29/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SILVER	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	XAUUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/29/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/29/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#AA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#AA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#AA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#AA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#AABA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#AABA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#AABA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#AABA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#AAL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#AAL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#AAL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#AAL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#AAPL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#AAPL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#AAPL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#AAPL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#ADBE	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#ADBE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#ADBE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/30/2019	#ADBE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#AIG	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#AIG	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#AMD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#BA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#BA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#BA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/30/2019	#BHP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#BLT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#BTA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#CHL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#CHL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#CL.f	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#CL.f	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#CMCSA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#CMCSA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#DWDP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#EBAY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/30/2019	#Ethereum	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#FCX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#FDX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#GSK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#HON	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#HPQ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/30/2019	#HPQ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#IBM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#IBM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#INTC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#INTC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#INTC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#IP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#IP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#IP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#IP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	#JCP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#JCP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#JCP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#JCP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#JNJ	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#JNJ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#JNJ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#JPM	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#JPM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#JPM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#KHC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#KHC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#KO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#KO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#Litecoin	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#LLOY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#LLOY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#LLOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#LNKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#LNKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#LNKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#LNKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#MA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#MCD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MCD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#MDLZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	#MDLZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#MGM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MGM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MMM	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MMM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MMM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MMM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#MO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MON	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#MON	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#MRK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MRK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	#MRK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#MRVL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MRVL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MRVL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#MS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MSFT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MSFT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MSFT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MSFT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MU	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MU	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MU	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#MU	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#NFLX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#NFLX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#NFLX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#NFLX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/30/2019	#NG.f	1:30:00 PM	1			2.382	0.564896	0.85752	Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#NKE	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#NKE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#NKE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#NOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#NOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#NOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#NTDOY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#NTDOY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#NTDOY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#NTDOY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#ORAN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#ORAN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#ORAN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#ORAN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#ORCL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	#ORCL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#ORCL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#PBR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#PBR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#PBR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#PEP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#PFE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#POT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#POT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	#POT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#POT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#QCOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#Ripple	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#Ripple	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#S	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#SBUX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#SBUX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#SBUX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/30/2019	#SBUX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#SNE	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#SNE	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#SPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#SPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#T	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#T	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#T	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#TEVA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#TEVA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#TEVA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#TEVA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#TRI	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#TRI	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

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9/30/2019	#TRV	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#TSCO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#TSCO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#TSCO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#TSCO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#TSLA	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#TSLA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#TSLA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#TSLA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#TWTR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#TWTR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#TWTR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#TWTR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#UBS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#UBS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#UBS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#UBS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#UL	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	#UL	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#UL	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#UL	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#UPS	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#UPS	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#UPS	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#UPS	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#UTX	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#UTX	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#UTX	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#UTX	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#V	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#V	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#V	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#V	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#VOD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#VOD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#VOD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#VOD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#VZ	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	#VZ	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#VZ	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#WDC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#WDC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#WDC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#WFC	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#WFC	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#WFC	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#WFC	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#WMT	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#WMT	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#WMT	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#WMT	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#XOM	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#XOM	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#XOM	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#XOM	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#YHOO	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#YHOO	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#YHOO	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	#YHOO	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	#ZNGA	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#ZNGA	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	#ZNGA	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	AUDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	AUDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
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9/30/2019	AUDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDNZD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	AUDNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/30/2019	AUDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDUSD.fx	9:30:00 AM	1			0.67469	0.400116	0.0067469	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDUSD.fx	11:30:00 AM	1			0.67478	0.481829	0.0067478	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDUSD.fx	1:30:00 PM	1			1.20698	0.596308	0.0120698	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUS200.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUS200.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUS200.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	AUS200.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	BCHUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	BCHUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	BCHUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	BCHUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	CADCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	CADHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADJPY.fx	1:30:00 PM	1			1.30949	0.636817	0.392847	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	CADPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CADZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	CHFDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	CHF MXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF MXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF MXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF MXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF NOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF NOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF NOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF NOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF NOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF NOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF NOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF NOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF PLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF PLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF PLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF PLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF PLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF PLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF PLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF PLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHF SEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	CHFSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CHFZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CZKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CZKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CZKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	CZKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	DAX30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	DAX30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	DAX30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	DAX30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	DJ30.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	DJ30.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	DJ30.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	DJ30.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	DKKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	DKKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	DKKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	DKKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURAUD	1:30:00 PM	1			1.62105	0.594734	0.064842	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/30/2019	EURCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURCHF	9:30:00 AM	1			1.08464	0.397303	0.0325392	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	EURGBP	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURGBP	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURGBP	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURGBP	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURGBP.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURGBP.fx	11:30:00 AM	1			0.8873	0.545903	0.008873	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURGBP.fx	1:30:00 PM	1			0.88758	0.576146	0.0088758	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURGBP.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	EURHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURJPY	1:30:00 PM	1			117.81	0.589664	3.5343	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURJPY.fx	9:30:00 AM	1			1.10954	0.416701	0.0665724	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURJPY.fx	1:30:00 PM	1			1.22971	0.634699	0.0122971	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	EURNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURNZD	11:30:00 AM	1			1.74735	0.514132	0.0174735	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURNZD	1:30:00 PM	1			1.74326	0.583102	0.174326	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	EURPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURRUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURRUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURRUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURRUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	EURUSD	9:30:00 AM	1			1.0944	0.417512	2.1888	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURUSD	11:30:00 AM	1			1.0926	0.5336	0.076482	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURUSD	1:30:00 PM	1			1.09158	0.594167	0.0109158	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURUSD.fx	1:30:00 PM	1			1.09171	0.593241	0.0109171	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	EURZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPAUD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPAUD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPAUD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPAUD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPAUD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	GBPAUD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPAUD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPAUD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	GBPCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPJPY	9:30:00 AM	1			132.664	0.431227	2.65328	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPJPY	11:30:00 AM	1			132.665	0.484757	153.8914	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPJPY	1:30:00 PM	1			132.664	0.636285	2.65328	Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/30/2019	GBPJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPNZD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPNZD	11:30:00 AM	1			1.96533	0.544167	0.0982665	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPNZD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPNZD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	GBPNZD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPNZD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPNZD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPNZD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	GBPSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPUSD	9:30:00 AM	1			1.22766	0.444618	0.0122766	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPUSD	11:30:00 AM	1			1.23104	0.522315	0.0246208	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPUSD	1:30:00 PM	1			1.23124	0.629815	0.061562	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPUSD.fx	9:30:00 AM	1			1.22971	0.398484	2.45942	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPUSD.fx	11:30:00 AM	1			1.23255	0.500451	1.23255	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPUSD.fx	1:30:00 PM	1			1.23255	0.607523	1.23255	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	GBPZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GBPZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GOLD	9:30:00 AM	1			107.817	0.409178	10.7817	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GOLD	11:30:00 AM	1			1495.95	0.503773	14.9595	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GOLD	1:30:00 PM	1			1497.96	0.611829	14.9796	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	GOLD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	HKDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	HKDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	HKDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	HKDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	HKDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	HKDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	HKDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	HKDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	HUFJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	HUFJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	HUFJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	HUFJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	JP225.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	JP225.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	JP225.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	JP225.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	MXNJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	MXNJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	MXNJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	MXNJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NASDAQ.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NASDAQ.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NASDAQ.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NASDAQ.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NOKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NOKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NOKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NOKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NOKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NOKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NOKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NOKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	NZDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDCHF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDCHF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDCHF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDCHF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDCHF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	NZDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	NZDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDUSD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A



9/30/2019	NZDUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDUSD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDUSD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDUSD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDUSD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	NZDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	SEKJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	SEKJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	SEKJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	SEKJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	SEKJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	SEKJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	SEKJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	SEKJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	SGDJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	SGDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	SGDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	SGDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	SILVER	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	SILVER	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	SILVER	1:30:00 PM	1			1.09403	0.588762	0.0984627	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	SILVER	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	SPX500.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	SPX500.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	SPX500.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	SPX500.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	UK100.i	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	UK100.i	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	UK100.i	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	UK100.i	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCAD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCAD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCAD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCAD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCAD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCAD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCAD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCAD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCHF	9:30:00 AM	1			0.99249	0.456968	0.0198498	Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	USDCHF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCHF	1:30:00 PM	1			0.99249	0.645081	0.0198498	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCHF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCHF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCHF.fx	11:30:00 AM	1			0.98475	0.55559	0.0295425	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCHF.fx	1:30:00 PM	1			0.99513	0.634757	0.0099513	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCHF.fx	3:30:00 PM	1	0.99648	1992.96		0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCZK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCZK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCZK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCZK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCZK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCZK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCZK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDCZK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDDKK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDDKK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDDKK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDDKK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDDKK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDDKK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	USDDKK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDDKK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDHKD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDHKD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDHKD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDHKD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDHKD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDHKD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDHKD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDHKD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDHUF	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDHUF	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDHUF	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDHUF	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDHUF.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDHUF.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDHUF.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDHUF.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDINR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDINR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDINR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	USDINR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDJPY	9:30:00 AM	1			107.812	0.398021	5.3906	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDMXN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDMXN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDMXN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDMXN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDMXN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDMXN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDMXN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDMXN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDNOK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDNOK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDNOK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDNOK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	USDNOK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDNOK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDNOK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDNOK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDPLN	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDPLN	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDPLN	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDPLN	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDPLN.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDPLN.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDPLN.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDPLN.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USD RUB	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USD RUB	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USD RUB	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USD RUB	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDSEK	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDSEK	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDSEK	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDSEK	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDSEK.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	USDSEK.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDSEK.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDSEK.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDSGD	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDSGD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDSGD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDSGD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDSGD.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDSGD.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDSGD.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDSGD.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDZAR	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDZAR	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDZAR	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDZAR	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDZAR.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDZAR.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDZAR.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	USDZAR.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	XAUUSD	9:30:00 AM	1			1494.31	0.479074	74.7155	Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	XAUUSD	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A

9/30/2019	XAUUSD	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	XAUUSD	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	ZARJPY	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	ZARJPY	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	ZARJPY	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	ZARJPY	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	ZARJPY.fx	9:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	ZARJPY.fx	11:30:00 AM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	ZARJPY.fx	1:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A
9/30/2019	ZARJPY.fx	3:30:00 PM	1				0		Continuous Quote Driven	N/A	ELECTRONIC	N/A