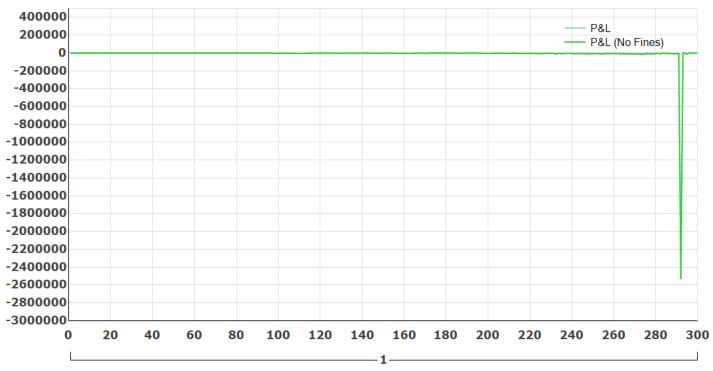
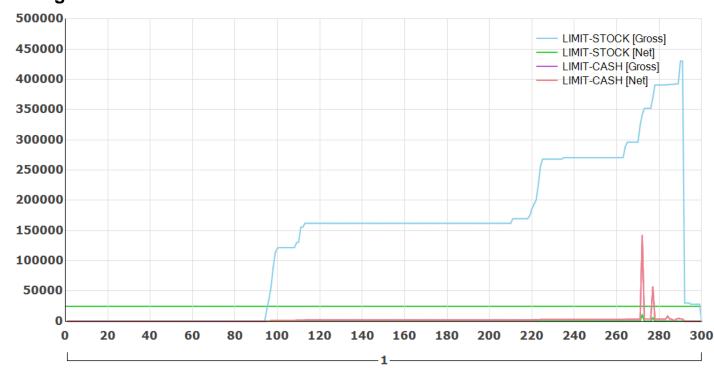
**Trader:** Algo Projects 101 **Simulation:** ETF Algo Case



#### **Trader P&L Chart**



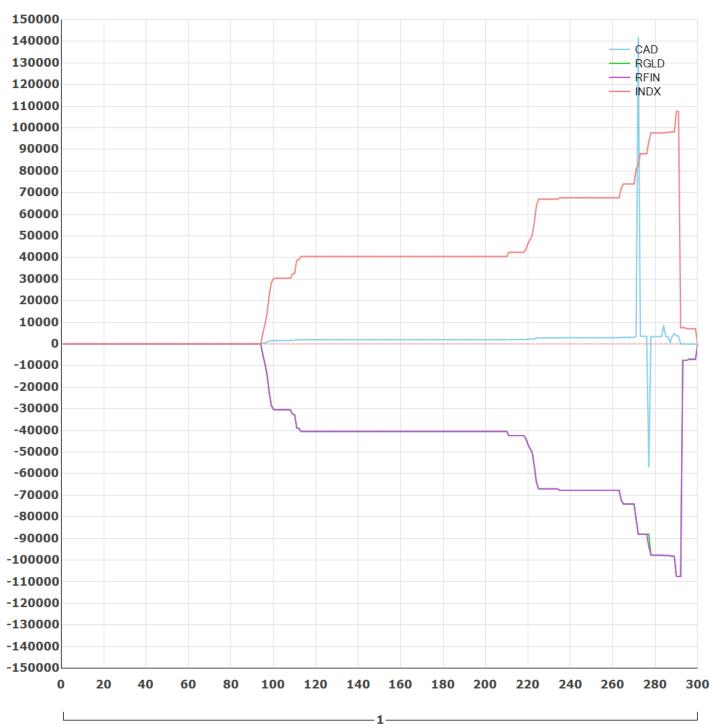
### **Trading Limit Chart**



Simulation: ETF Algo Case



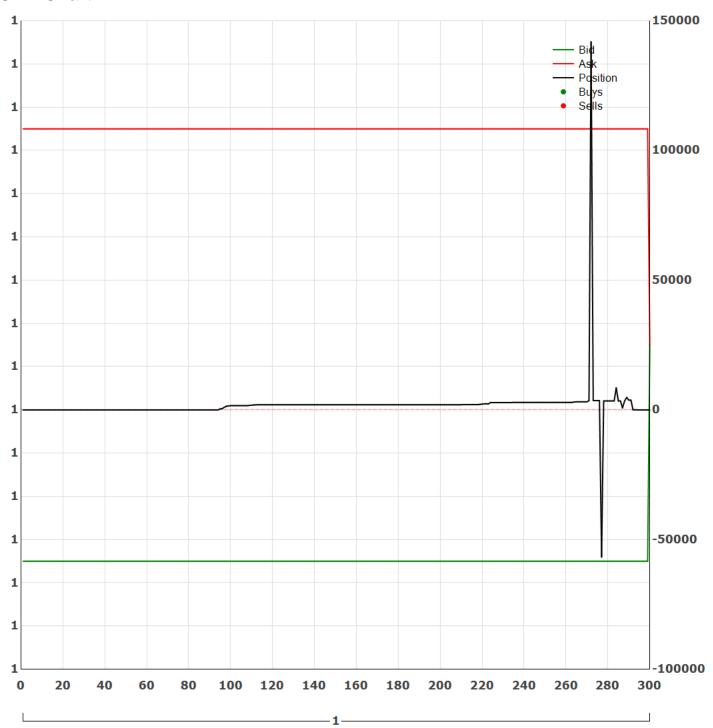
### **Position Chart**



**Trader:** Algo Projects 101 **Simulation:** ETF Algo Case



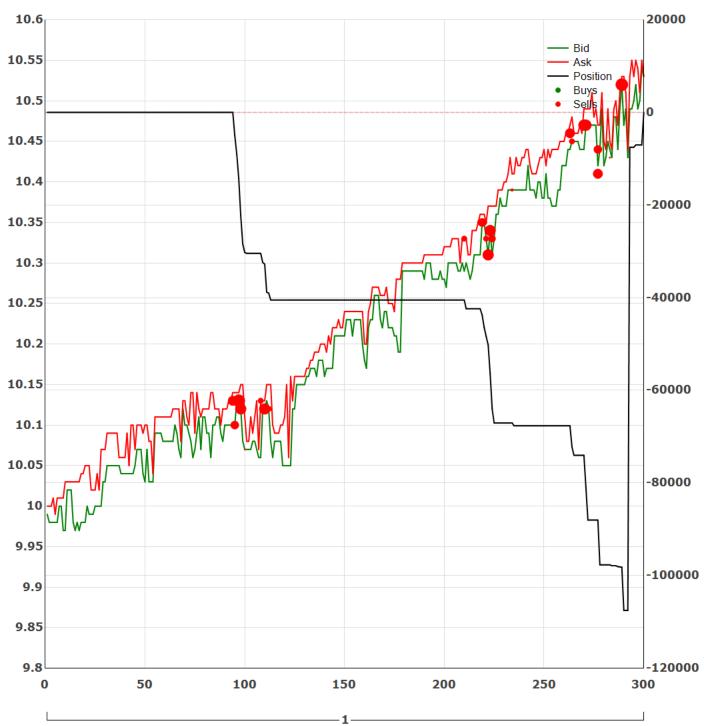
#### **CAD Chart**



Simulation: ETF Algo Case



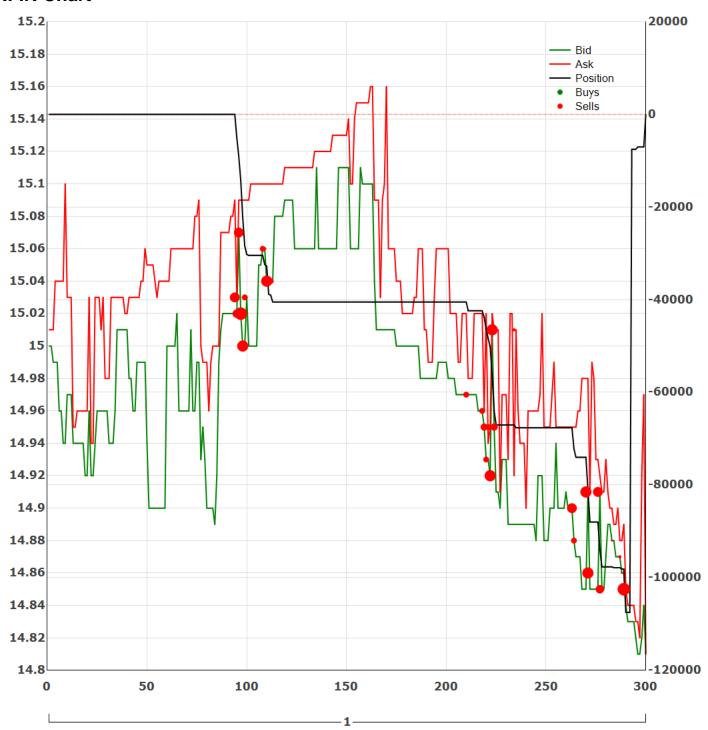
#### **RGLD Chart**



Simulation: ETF Algo Case



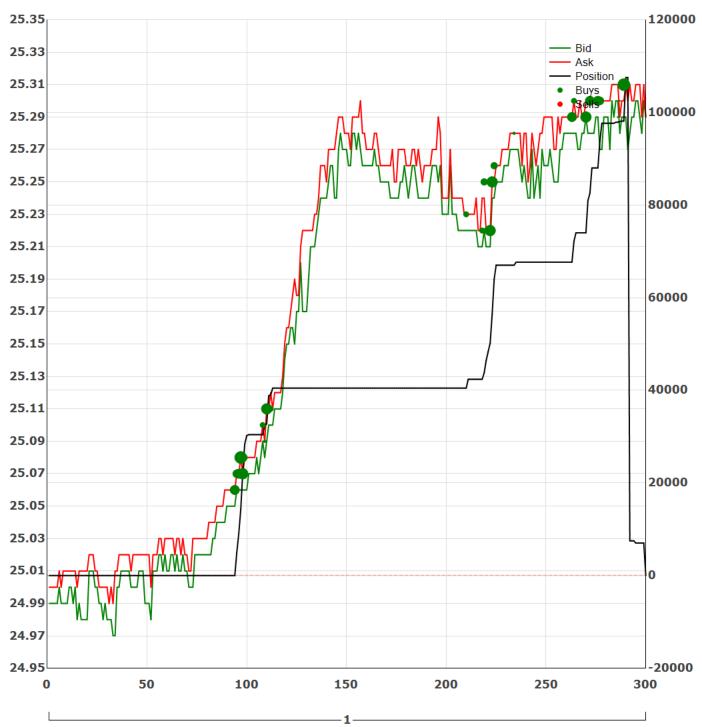
#### **RFIN Chart**



Simulation: ETF Algo Case



#### **INDX Chart**



Simulation: ETF Algo Case



## **Security P&L Summary**

Ticker	Realized P&L	Unrealized P&L	Commissions	Rebates	Total Volume	Buy Volume	Sell Volume	Buy VWAP	Sell VWAP
CAD	3,315.36	0.00	0.00	0.00	453.02	453.02	0.00	1.0000	0.0000
RGLD	-21,325.29	0.00	1,075.20	33.48	114,560.00	7,040.00	107,520.00	10.5300	10.3041
RFIN	12,724.88	0.00	1,075.20	0.00	114,560.00	7,040.00	107,520.00	14.8100	14.9570
INDX	11,007.04	0.00	537.60	0.00	114,556.00	107,520.00	7,036.00	25.2013	25.2900
TOTAL	5,721.99	0.00	2,688.00	33.48					

## **Security Orders Summary**

Ticker	Submitted Orders	Active Buy Volume	Active Buy VWAP	Active Sell Volume	Active Sell VWAP	Passive Buy Volume	Passive Buy VWAP	Passive Sell Volume	Passive Sell VWAP	Passive:Acti ve Volume	Trades	Average Trade Value
CAD	0	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0	0.00
RGLD	36	0.00	0.0000	104,842.00	10.3029	0.00	0.0000	2,678.00	10.3500	0.03	32	34,621.79
RFIN	34	0.00	0.0000	107,520.00	14.9570	0.00	0.0000	0.00	0.0000	0.00	36	44,671.42
INDX	36	107,520.00	25.2013	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	34	79,695.47
TOTAL	106										102	

### **Trading Limit Fines Summary**

Name	Gross Limit	Net Limit	Gross Limit Fines	Net Limit Fines
LIMIT-STOCK	500,000.00	25,000.00	0.00	0.00
LIMIT-CASH	10,000,000.00	10,000,000.00	0.00	0.00
TOTAL			0.00	0.00

### **Asset P&L Summary**

Ticker	P & L
ETF-Creation	0.00
ETF-Redemption	-2,856.79

### **Asset Usage**

Period	Tick	Ticker	Туре	Price
1	58	ETF-Creation	LEASE	0.00
1	60	ETF-Creation	LEASE	0.00
1	62	ETF-Creation	LEASE	0.00
1	64	ETF-Creation	LEASE	0.00
1	66	ETF-Creation	LEASE	0.00
1	68	ETF-Creation	LEASE	0.00
1	70	ETF-Creation	LEASE	0.00
1	72	ETF-Creation	LEASE	0.00
1	74	ETF-Creation	LEASE	0.00
1	76	ETF-Creation	LEASE	0.00
1	78	ETF-Creation	LEASE	0.00
1	80	ETF-Creation	LEASE	0.00
1	82	ETF-Creation	LEASE	0.00
1	84	ETF-Creation	LEASE	0.00
1	86	ETF-Creation	LEASE	0.00
1	88	ETF-Creation	LEASE	0.00
1	90	ETF-Creation	LEASE	0.00
1	92	ETF-Creation	LEASE	0.00
1	94	ETF-Creation	LEASE	0.00
1	96	ETF-Creation	LEASE	0.00
1	98	ETF-Creation	LEASE	0.00



Period	Tick	Ticker	Туре	Price
1	100	ETF-Creation	LEASE	0.00
1	102	ETF-Creation	LEASE	0.00
1	104	ETF-Creation	LEASE	0.00
1	106	ETF-Creation	LEASE	0.00
1	108	ETF-Creation	LEASE	0.00
1	110	ETF-Creation	LEASE	0.00
1	112	ETF-Creation	LEASE	0.00
1	114	ETF-Creation	LEASE	0.00
1	116	ETF-Creation	LEASE	0.00
1	118	ETF-Creation	LEASE	0.00
1	118	ETF-Redemption	LEASE	0.00
1	120	ETF-Creation	LEASE	0.00
1	120	ETF-Redemption	LEASE	0.00
1	122	ETF-Creation	LEASE	0.00
1	122	ETF-Redemption	LEASE	0.00
1	124	ETF-Creation	LEASE	0.00
1	124	ETF-Redemption	LEASE	0.00
1	126	ETF-Creation	LEASE	0.00
1	126	ETF-Redemption	LEASE	0.00
1	128	ETF-Creation	LEASE	0.00
1	128	ETF-Redemption	LEASE	0.00
1	130	ETF-Creation	LEASE	0.00
1	130	ETF-Redemption	LEASE	0.00
1	132	ETF-Creation	LEASE	0.00
1	132	ETF-Redemption	LEASE	0.00
1	134	ETF-Creation	LEASE	0.00
1	134	ETF-Redemption	LEASE	0.00
1	136	ETF-Creation	LEASE	0.00
1	136	ETF-Redemption	LEASE	0.00
1	138	ETF-Creation	LEASE	0.00
1	138	ETF-Redemption	LEASE	0.00
1	140	ETF-Creation	LEASE	0.00
1	140	ETF-Redemption	LEASE	0.00
1	142	ETF-Creation	LEASE	0.00
1	142	ETF-Redemption	LEASE	0.00
1	144	ETF-Creation	LEASE	0.00
1	144	ETF-Redemption	LEASE	0.00
1	146	ETF-Creation	LEASE	0.00
1	146	ETF-Redemption	LEASE	0.00
1	148	ETF-Creation	LEASE	0.00
1	148	ETF-Redemption	LEASE	0.00
1	150	ETF-Creation	LEASE	0.00
1	150	ETF-Redemption	LEASE	0.00
1	152	ETF-Creation	LEASE	0.00
1	152	ETF-Redemption	LEASE	0.00
1	154	ETF-Creation	LEASE	0.00
1	154	ETF-Redemption	LEASE	0.00
1	156	ETF-Creation	LEASE	0.00
1	156	ETF-Redemption	LEASE	0.00
1	158	ETF-Creation	LEASE	0.00
1	158	ETF-Redemption	LEASE	0.00
1	160	ETF-Creation	LEASE	0.00
· ·	1.00			5.50



Period	Tick	Ticker	Туре	Price
1	160	ETF-Redemption	LEASE	0.00
1	162	ETF-Creation	LEASE	0.00
1	162	ETF-Redemption	LEASE	0.00
1	164	ETF-Creation	LEASE	0.00
1	164	ETF-Redemption	LEASE	0.00
1	166	ETF-Creation	LEASE	0.00
1	166	ETF-Redemption	LEASE	0.00
1	168	ETF-Creation	LEASE	0.00
1	168	ETF-Redemption	LEASE	0.00
1	170	ETF-Creation	LEASE	0.00
1	170	ETF-Redemption	LEASE	0.00
1	172	ETF-Creation	LEASE	0.00
1	172	ETF-Redemption	LEASE	0.00
1	174	ETF-Creation	LEASE	0.00
1	174	ETF-Redemption	LEASE	0.00
1	176	ETF-Creation	LEASE	0.00
1	176	ETF-Redemption	LEASE	0.00
1	178	ETF-Creation	LEASE	0.00
1	178	ETF-Redemption	LEASE	0.00
1	180	ETF-Creation	LEASE	0.00
1	180	ETF-Redemption	LEASE	0.00
1	182	ETF-Creation	LEASE	0.00
1	182	ETF-Redemption	LEASE	0.00
1	184	ETF-Creation	LEASE	0.00
1	184	ETF-Redemption	LEASE	0.00
1	186	ETF-Creation	LEASE	0.00
1	186	ETF-Redemption	LEASE	0.00
1	188	ETF-Creation	LEASE	0.00
1	188	ETF-Redemption	LEASE	0.00
1	190	ETF-Creation	LEASE	0.00
1	190	ETF-Redemption	LEASE	0.00
1	192	ETF-Creation	LEASE	0.00
1	192	ETF-Redemption	LEASE	0.00
1	194	ETF-Creation	LEASE	0.00
1	194	ETF-Redemption	LEASE	0.00
1	196	ETF-Creation	LEASE	0.00
1	196	ETF-Redemption	LEASE	0.00
1	198	ETF-Creation	LEASE	0.00
1	198	ETF-Redemption	LEASE	0.00
1	200	ETF-Creation	LEASE	0.00
1	200	ETF-Redemption	LEASE	0.00
1	202	ETF-Creation	LEASE	0.00
1	202	ETF-Redemption	LEASE	0.00
1	204	ETF-Creation	LEASE	0.00
1	204	ETF-Redemption	LEASE	0.00
1	206	ETF-Creation	LEASE	0.00
1	206	ETF-Redemption	LEASE	0.00
1	208	ETF-Creation	LEASE	0.00
1	208	ETF-Redemption	LEASE	0.00
1	210 210	ETF-Creation ETF-Redemption	LEASE LEASE	0.00
1	210	ETF-Redemption ETF-Creation	LEASE	0.00
1	212	ETF-Greation	LEASE	0.00



Period	Tick	Ticker	Туре	Price
1	212	ETF-Redemption	LEASE	0.00
1	214	ETF-Creation	LEASE	0.00
1	214	ETF-Redemption	LEASE	0.00
1	216	ETF-Creation	LEASE	0.00
1	216	ETF-Redemption	LEASE	0.00
1	218	ETF-Creation	LEASE	0.00
1	218	ETF-Redemption	LEASE	0.00
1	220	ETF-Creation	LEASE	0.00
1	220	ETF-Redemption	LEASE	0.00
1	222	ETF-Creation	LEASE	0.00
1	222	ETF-Redemption	LEASE	0.00
1	224	ETF-Creation	LEASE	0.00
1	224	ETF-Redemption	LEASE	0.00
1	226	ETF-Creation	LEASE	0.00
1	226	ETF-Redemption	LEASE	0.00
1	228	ETF-Creation	LEASE	0.00
1	228	ETF-Redemption	LEASE	0.00
1	230	ETF-Creation	LEASE	0.00
1	230	ETF-Redemption	LEASE	0.00
1	232	ETF-Creation	LEASE	0.00
1	232	ETF-Redemption	LEASE	0.00
1	234	ETF-Creation	LEASE	0.00
1	234	ETF-Redemption	LEASE	0.00
1	236	ETF-Creation	LEASE	0.00
1	236	ETF-Redemption	LEASE	0.00
1	238	ETF-Creation	LEASE	0.00
1	238	ETF-Redemption	LEASE	0.00
1	240	ETF-Creation	LEASE	0.00
1	240	ETF-Redemption	LEASE	0.00
1	242	ETF-Creation	LEASE	0.00
1	242	ETF-Redemption	LEASE	0.00
1	244	ETF-Creation	LEASE	0.00
1	244	ETF-Redemption	LEASE	0.00
1	246	ETF-Creation	LEASE	0.00
1	246	ETF-Redemption	LEASE	0.00
1	248	ETF-Creation	LEASE	0.00
1	248	ETF-Redemption	LEASE	0.00
1	250	ETF-Creation	LEASE	0.00
1	250	ETF-Redemption	LEASE	0.00
1	252	ETF-Creation	LEASE	0.00
1	252	ETF-Redemption	LEASE	0.00
1	254	ETF-Creation	LEASE	0.00
1	254	ETF-Redemption	LEASE	0.00
1	256	ETF-Creation	LEASE	0.00
1	256	ETF-Redemption	LEASE	0.00
1	258	ETF-Creation	LEASE	0.00
1	258	ETF-Redemption	LEASE	0.00
1	260	ETF-Creation	LEASE	0.00
1	260	ETF-Redemption	LEASE	0.00
1	262	ETF-Creation	LEASE	0.00
1	262	ETF-Redemption	LEASE	0.00
1	264	ETF-Creation	LEASE	0.00
		1	1	1



Period	Tick	Ticker	Туре	Price
1	264	ETF-Redemption	LEASE	0.00
1	266	ETF-Creation	LEASE	0.00
1	266	ETF-Redemption	LEASE	0.00
1	268	ETF-Creation	LEASE	0.00
1	268	ETF-Redemption	LEASE	0.00
1	270	ETF-Creation	LEASE	0.00
1	270	ETF-Redemption	LEASE	0.00
1	272	ETF-Creation	LEASE	0.00
1	272	ETF-Redemption	LEASE	0.00
1	274	ETF-Creation	LEASE	0.00
1	274	ETF-Redemption	LEASE	0.00
1	276	ETF-Creation	LEASE	0.00
1	276	ETF-Redemption	LEASE	0.00
1	278	ETF-Creation	LEASE	0.00
1	278	ETF-Redemption	LEASE	0.00
1	280	ETF-Creation	LEASE	0.00
1	280	ETF-Redemption	LEASE	0.00
1	282	ETF-Creation	LEASE	0.00
1	282	ETF-Redemption	LEASE	0.00
1	284	ETF-Creation	LEASE	0.00
1	284	ETF-Redemption	LEASE	0.00
1	286	ETF-Creation	LEASE	0.00
1	286	ETF-Redemption	LEASE	0.00
1	288	ETF-Creation	LEASE	0.00
1	288	ETF-Redemption	LEASE	0.00
1	290	ETF-Creation	LEASE	0.00
1	290	ETF-Redemption	LEASE	0.00
1	292	ETF-Creation	LEASE	0.00
1	292	ETF-Redemption	LEASE	0.00
1	294	ETF-Creation	LEASE	0.00
1	294	ETF-Redemption	LEASE	0.00
1	296	ETF-Creation	LEASE	0.00
1	296	ETF-Redemption	LEASE	0.00
1	298	ETF-Creation	LEASE	0.00
1	298	ETF-Redemption	LEASE	0.00
1	300	ETF-Creation	LEASE	0.00
1	300	ETF-Redemption	LEASE	0.00



### **Case Info**

Parameter	Value
Simulation Name	ETF Algo Case
Periods	1
Ticks/Period	300
Stop-Loss Limit	5000000
API Enabled	True
RTD Enabled	True
Trade At Settled Enabled	False

## **Security Info**

Parameter	CAD	RGLD	RFIN	INDX
Ticker	CAD	RGLD	RFIN	INDX
Туре	CURRENCY	STOCK	STOCK	STOCK
Start Period	1	1	1	1
Stop Period	1	1	1	1
Unit Multiplier	1	1	1	1
Fee Type	PER_TRADE	PER_UNIT	PER_UNIT	PER_UNIT
Fee	0	0.01	0.01	0.005
API Orders/Second	100	100	100	100
Maximum Price	1.01	15	20	35
Minimum Price	0.99	6	10	15
Max Trade Size	2500000	10000	10000	10000
Limits	LIMIT-CASH×1	LIMIT-STOCK×1	LIMIT-STOCK×1	LIMIT-STOCK×0.5
Display Units	CAD	Shares	Shares	Units
Quoted Decimals	4	2	2	2
Short Allowed	True	True	True	True
Limit Order Rebate	0	0.0125	0.0125	0.0075

#### **Asset Info**

Parameter	ETF-Creation	ETF-Redemption
Ticker	ETF-Creation	ETF-Redemption
Туре	REFINERY	REFINERY
Start Period	1	1
Stop Period	1	1
Total Available	20	20
Lease Price	0	0
Lease Limit/Trader	1	1
Lease Ticks	2	2
Containment		
Convert From	RGLD×100000, RFIN×100000	INDX×100000, CAD×3750
Convert To	INDX×100000	RGLD×100000, RFIN×100000
Convert Ticks	2	2