# **INVESTOR REPORT**

Report Date: 2021-6-1

**Abstract** 

Investor report for the All Weather Found since 2016-4-1

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## **Background**

We are given an investment of an initial capital: \$100,000 Canadian dollars, provided on April 1st 2016, and with injections of \$10,000 Canadian dollars every 6 months, starting on October 1st 2016. This report is issued on June 1st 2021.

# **Portfolio Description**

#### Goals

The primary objective is to achieve a reasonable return during both bear and bull markets. The investor is identified with moderate risk tolerance and does not care about short term price fluctuation. Little liquidity is needed as there is no planned fund withdrawal. The investment horizon is 5 years plus. The investor requested to be invested in dual currency (USD and CAD) with well diversified asset class allocation and international exposures.

### **Portfolio Strategy**

The long-only All Weather (AW) investment strategy is deemed to be most appropriate for this client. Thus, a multi-asset portfolio that invests in the four quadrants (equity and corporate bonds, government bonds, inflation linked bonds, and real estate) is constructed for the client. We will allocate 15%-30% of the total resource to each of the quadrants. We will also try to maximize the risk adjusted return by minimizing the portfolio variation within the allocation constraints. In addition, low-cost, passive investment solution that invest in EFTs will be used.

#### **Fees**

Due to the rise of ETFs, the cost of passive investing in diversified asset classes has never been lower. (For industry average comparison, please refer to *Appendix: Management fee.*) Thus, we were able to achieve cost efficiency by invest only in ETFs. We assume no cost to set up the fund, and 0.5% cost of the assets exchanged on the rebalance date.

# **Portfolio Tracking**

## Portfolio Set-up

The initial capital, and injections split 50/50 into USD and CAD. We invest a variety of ETFs from different asset classes. We rebalance every 6 months, which coincides with the injection schedule.

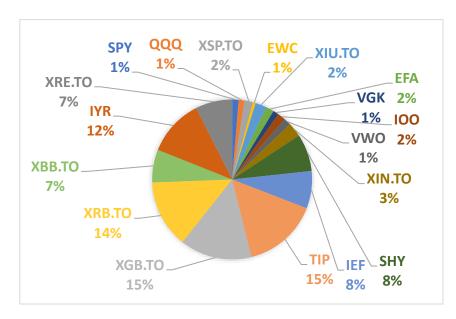
### **Exposures**

The exposure guideline has been outlined in portfolio strategies. Currently CAD\$128k equivalent are invested in USD ETF, and CAD\$ 122K are invested in CAD ETF. For history of each currency account, please refer to *Appendix: currency accounts*. Please refer to *Appendix: position history* for the history of the asset exposure. The current total asset mix (in CAD) is outlined below.

\$ CAD (thousand)	NMV
Portfolio	249.797
EQ	39.346
IR	146.059
CR	16.329
RE	48.062

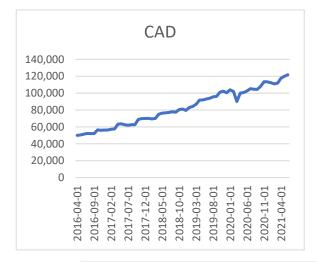
NMV	US	CA	INT	Total
EQ	4%	3%	9%	16%
IR	31%	28%		58%
CR		7%		7%
RE	12%	7%		19%
Total	47%	45%	9%	100%

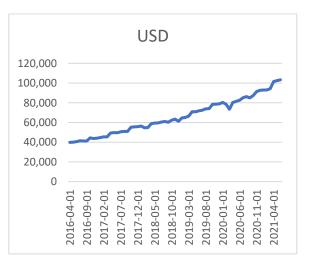
Porfolio (Thousand)	249.797
EQ	39.346
US-EQ	10.730
CA-EQ	7.039
INT-EQ	21.577
IR	146.059
US-IR	76.331
CA-IR	69.729
CR	16.329
CA-CR	16.329
RE	48.062
US-RE	29.327
CA-RE	18.735

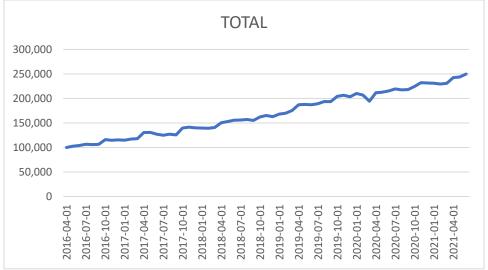


#### **Performance**

The account balance evolution is shown in the charts below with their respective currencies. The total is the combined account balance in CAD. For performance comparison and evaluation, please refer to *Benchmark and Comparison*.







### **Fees**

The fee is about \$100-200 CAD each year, below 0.2%. This is significantly lower than the industry average. For breakdown detail, please refer to *Appendix: Fee breakdown*.

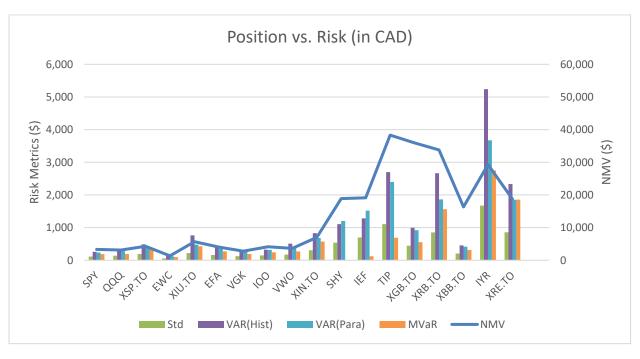
### Value at Risk

The risk metric considered are standard deviation and VaR. VaR is calculated using historical method with the window period (2006-2021). Marginal VaR is based on VaR using historical method. VaR using parametric method is also calculated (in Position vs. Risk Chart) with normal distribution assumption.

\$ CAD (K)	NMV	VaR	Marginal VaR
Portfolio	249.80	10.67	10.67
EQ	39.346	4.29	2.82
IR	146.06	5.74	2.93
CR	16.33	0.46	0.32
RE	48.06	4.60	4.61

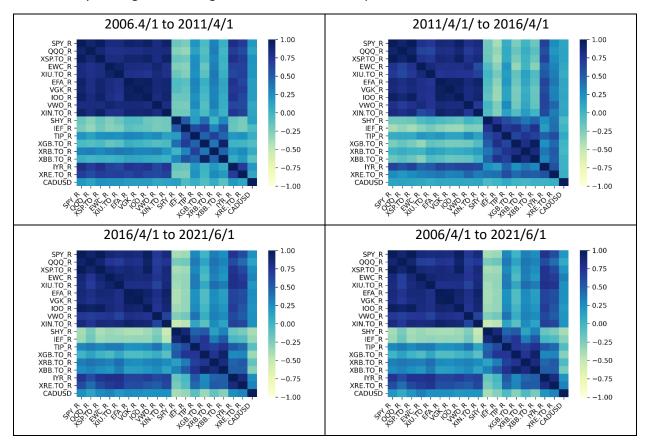
Marginal VaR	US	CA	INT	Total
EQ	7%	5%	14%	26%
IR	8%	20%		27%
CR		3%		3%
RE	26%	17%		43%
Total	40%	45%	14%	100%

Ро	rtfolio (K)	249.80	10.67	10.67
EQ		39.35	4.29	2.82
	US-EQ	10.73	0.95	0.75
	CA-EQ	7.04	0.95	0.52
	INT-EQ	21.58	2.31	1.54
IR		146.06	5.74	2.93
	US-IR	76.33	5.33	0.81
	CA-IR	69.73	3.06	2.12
CR		16.33	0.46	0.32
	CA-CR	16.33	0.46	0.32
RE		48.06	4.60	4.61
	US-RE	29.33	5.24	2.75
	CA-RE	18.74	2.33	1.86

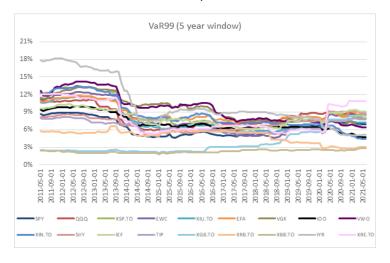


#### **Model Risk**

Our asset allocation model heavily rely on the stability of correlation between different asset class and assumes there is no significant change during the calibration period and performing period. This can be confirmed by looking at the changes in correlation heat map.



The risk model also relies on stability, however, it seems that VaR99 changed quite a bit. To overcome the lookback nature of VaR, we will use scenario analysis.



### Scenario Analysis

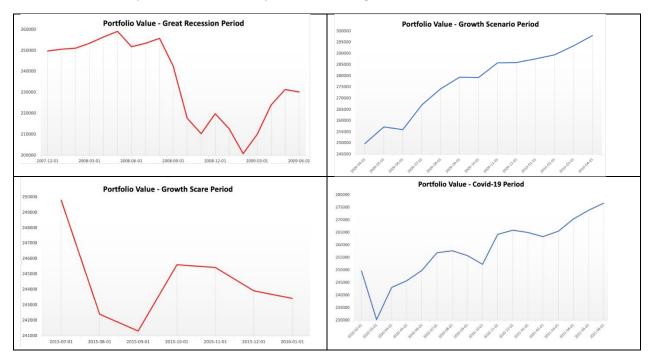
Due to the back looking nature of the VaR metric, we also considered scenario analysis. The analysis try to answer the question, if this scenario happens, what will our portfolio perform? The two types of scenarios are historical scenarios and hypothetical scenarios.

#### Historical scenarios

We selected 4 historical scenarios:

Scenarios	Start Date	End Date	Duration
<b>Great Recession</b>	December 2007	June 2009	19 months
2009-2010 Growth Scenario	March 2009	April 2010	14 months
2015-2016 Growth Scare	July 2015	January 2016	7 months
Covid-19 Period	February 2020	June 2021	17 months

And here is how our portfolio would have performed during these scenarios:

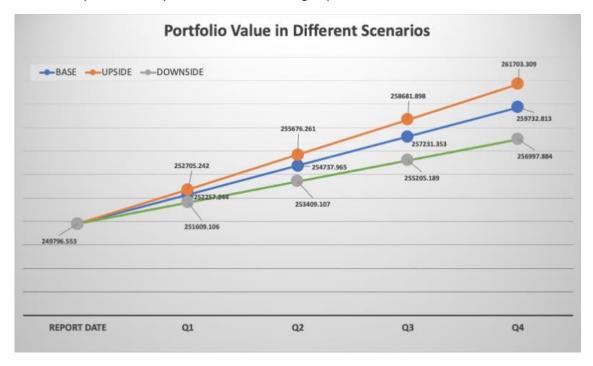


#### Hypothetical scenarios

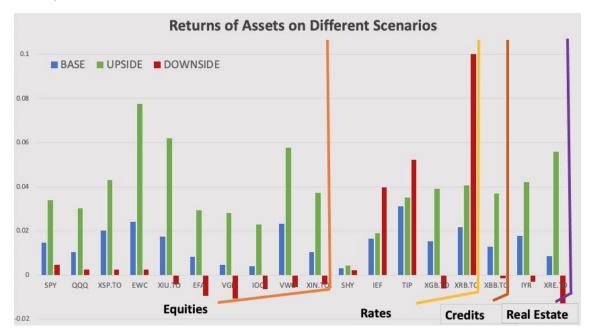
Predicting economic outlooks using Vector Autoregression (VAR) model, we obtain the base case. Then we had up and down case built on top of it. Here is the summary of the forecasted outlook:

	UPSIDE	BASE	DOWNSIDE
Real GDP (%)	0.503	0.491	0.479
Inflation (%)	2	0.365	0.365
Unemployment (%)	5.987	5.987	7.718
USD/CAD FX	1.258	1.258	1.091
Market Risk Premium	1.086	1.026	0.926

Here is how our portfolio will perform in the following 4 quarters:



Here is the performance breakdown of each asset in the three cases:



As we can see, our portfolio performs relatively well in all cases.

# **Benchmark and Comparison**

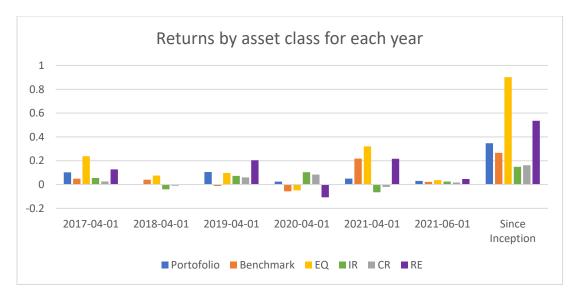
Since fund of funds are so varied, they can be hard to track as a group and to compare. However, an index does exist. The Barclay Fund of Funds Index, sponsored by Barclay-Hedge, a provider of data on alternative investments, is a measure of the average return of all FOFs that report into the company database; it includes some 500 to 650 funds.

#### **Performance**

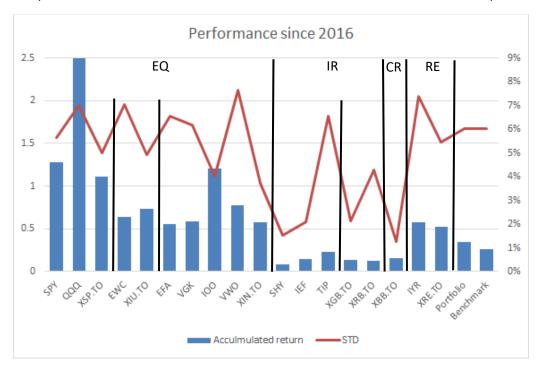
Performance is measured in terms of time weighted rate of return, money weighted rate of return, and Sharpe ratio. We outperformed the benchmark in both metrics. (What-if case will be discussed in *the* next section.) For detail, please refer to *Appendix: Benchmark performance*. No information of benchmark exposure available.



We checked the annual performance of each asset class, portfolio and the benchmark at each fiscal year end.

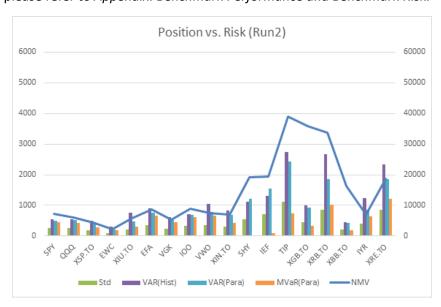


Here we compared the cumulative return and standard deviation of each asset since inception.



### Risk

We see an over exposure in US real estate (IVR) previously. In addition, the risk is not being reasonably compensated by it's return (*Appendix: Benchmark risk*). We back tested with what-if case, where we reduced position in IYR to be no more than 15% of the \$USD account. We were able to get an improved performance. The return and Sharpe ratio would have been increased and we also see a decrease in VaR. For detail, please refer to *Appendix: Benchmark Performance and Benchmark Risk*.



## **Portfolio Activity**

We rebalance our portfolio every 6 months, the same date when we receive cash injection. For transaction cost detail, please refer to *Appendix: Fee breakdown*. For position history, please refer to *Appendix: Position history*. For history of number of units purchased and hold in each ETF, please refer to *Appendix: Unit history*.

## Recommendations

We will recommend the investor to continue to invest with us. We will explore a broader asset universe which will allow us to explore more investment options and further to diversify our portfolio. We will further to incorporate other information such as variables that have predictability and professional judgements into our strategies. We also suggest the investor to give us more flexibility of tilting weights based on the information to further improve our performance. For example, tilting more weight to the U.S. equity class to capture a higher return by accepting more reasonable risk. We notice that the Barclay fund of funds benchmark index may be inappropriate and we will construct our own benchmark for evaluation in the future.

# **Appendix**

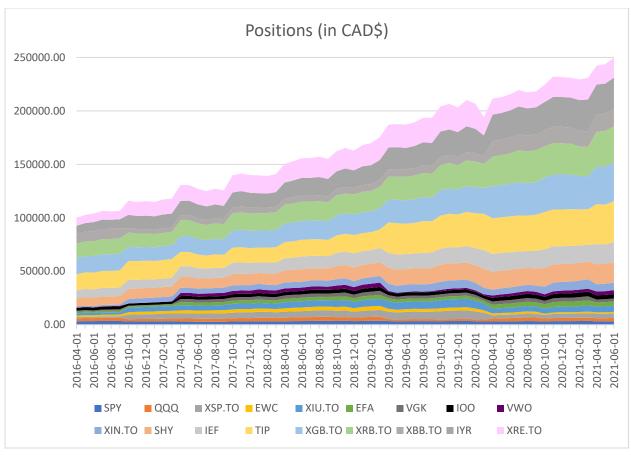
## Management fee comparison

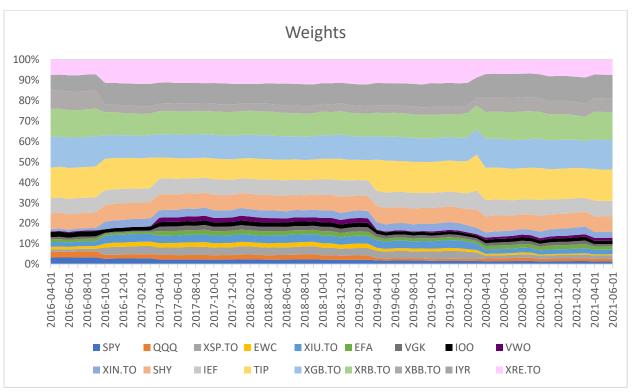
- 2.5% Average mutual fund MER
- 1% About the cost of using a robo-advisor or Tangerine investment funds
- .50% About the cost of using TD e-Series index funds
- .20% About the cost of a self-directed ETF portfolio

## **Position history (in \$CAD)**

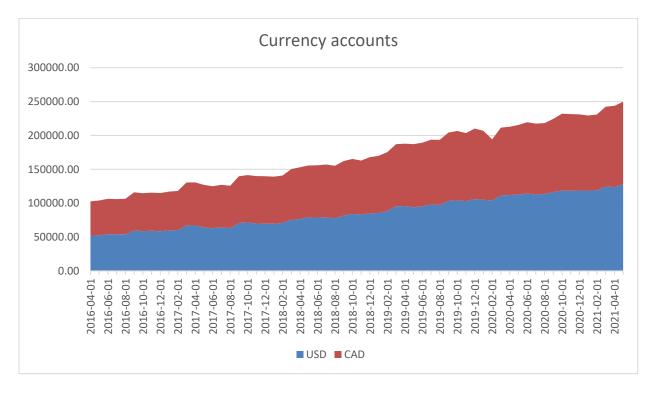
Date	SPY	QQQ	vwo	EWC	EFA	VGK	100	SHY	IEF	TIP	IYR	XSP.T	XIU.T O	XIN.T	XBB.T	XGB.	XRB.T	XRE.T	TOTA
2016-04-	3202.	2677.	379.3	1320.	1329.	1125.	2466.	7608.	7391.	1500	7500.	1248.	2291.	1162.	<b>0</b> 9115.	TO 1500	1368	7500.	1000
01	18	14	8	11	73	39	06	68	32	0.00	00	51	14	02	62	0.00	2.70	00	00.00
2016-05- 01	3382. 26	2901. 90	381.2 7	1321. 36	1379. 83	1162. 93	2586. 68	7892. 92	7669. 22	1547 8.18	7961. 20	1271. 13	2311. 22	1197. 82	9180. 21	1514 0.00	1385 9.25	7571. 02	1026 48.39
2016-06-	3349.	2805.	394.2	1312.	1308.	1085.	2519.	7877.	7842.	1569	8315.	1260.	2293.	1140.	9354.	1546	1396	8019.	1040
01	60	77	4	46	83	08	02	13	97	5.43	74	61	37	32	52	5.08	4.08	21	03.45
2016-07- 01	3524. 27	3044. 17	421.3 7	1375. 71	1402. 57	1156. 40	2682. 78	7951. 29	7940. 60	1588 6.63	8783. 38	1319. 97	2399. 11	1200. 22	9430. 84	1557 8.65	1419 6.54	8172. 14	1064 66.62
2016-08-	3535.	3081.	425.4	1382.	1412.	1166.	2706.	7947.	7875.	1586	8505.	1321.	2396.	1216.	9437.	1556	1431	7775.	1059
2016-09-	17 3535.	95 3158.	7 431.0	13 1409.	73 1438.	51 1175.	66 2725.	61 7998.	17 7933.	9.22 1607	28 8351.	56 1320.	86 2444.	21 1225.	34 9449.	1.73 1559	3.46 1440	35 7725.	30.41 1063
01	35	15	5	96	83	28	04	13	77	4.51	41	50	21	59	55	2.52	2.53	00	91.36
2016-10- 01	3018. 81	2154. 18	40.88	2291. 77	1205. 63	636.3 1	2005. 45	9407. 77	8441. 44	1784 9.20	1244 5.90	4231. 11	4236. 90	4220. 28	4261. 53	1319 9.62	1318 0.77	1316 9.19	1159 96.75
2016-11-	3136.	2168.	39.31	2356.	1186.	622.7	2029.	9383.	8101.	1751	1218	4387.	4308.	4288.	4173.	1289	1292	1305	1147
01	84	29		56	74	7	61	73	73	7.54	1.70	04	55	10	71	5.78	9.17	7.60	64.78
2016-12- 01	3184. 01	2187. 98	38.86	2370. 98	1207. 26	650.7 9	2081. 56	9390. 68	8085. 09	1748 5.56	1253 1.01	4430. 36	4414. 12	4408. 68	4153. 79	1279 7.65	1256 9.74	1353 0.99	1155 19.10
2017-01-	3177.	2249.	40.25	2426.	1228.	656.3	2079.	9175.	7922.	1723	1240	4546.	4464.	4471.	4147.	1274	1239	1353	1148
01	93	09	44.42	26	14	0	71	83	38	4.07	2.63	39	81	26	27	6.84	7.54	0.77	97.48
2017-02- 01	3324. 12	2362. 65	41.42	2397. 91	1250. 78	664.4 2	2161. 25	9232. 90	8019. 08	1741 6.76	1302 8.77	4724. 68	4439. 46	4566. 35	4187. 43	1287 3.60	1244 4.15	1398 6.94	1171 22.68
2017-03-	3350.	2432.	43.00	2441.	1305.	697.7	2224.	9340.	8115.	1760	1285	4728.	4517.	4689.	4198.	1291	1248	1403	1179
2017-04-	44 2908.	10 2892.	2866.	64 2891.	46 2874.	3 2865.	57 2887.	47 1009	29 1009	9.05 1349	8.08 1342	17 4741.	54 4748.	97 4729.	23 4772.	7.70 1479	0.40 1476	3.80 1475	83.66 1305
01	54	81	18	47	50	49	95	4.02	2.92	2.34	3.58	71	38	84	83	0.20	9.67	6.57	99.00
2017-05- 01	2911. 65	2966. 89	2857. 37	2843. 40	2938. 04	2967. 48	2937. 41	9971. 03	1004 5.52	1329 8.55	1323 5.81	4804. 21	4656. 12	4832. 01	4816. 69	1493 3.82	1499 2.81	1466 4.27	1306 73.08
2017-06-	2812.	2787.	2762.	2805.	2796.	2807.	2792.	9609.	9639.	1271	1291	4795.	4630.	4741.	4756.	1470	1443	1451	1270
01	60	77	15	49	98	77	16	75	71	8.62	7.10	53	31	19	07	6.24	7.97	8.71	36.12
2017-07- 01	2766. 48	2789. 96	2808. 19	2828. 25	2798. 39	2808. 41	2773. 13	9233. 66	9280. 58	1225 0.92	1263 8.70	4919. 79	4634. 44	4816. 81	4671. 57	1441 6.73	1421 0.77	1431 7.52	1249 64.30
2017-08-	2811.	2885.	2930.	2862.	2834.	2847.	2826.	9375.	9540.	1255	1289	4926.	4613.	4818.	4734.	1462	1446	1452	1270
01 2017-09-	51 2803.	75 2820.	95 2831.	85 2920.	39 2850.	82 2876.	75 2834.	16 9192.	78 9238.	1.27	2.80 1246	78 5024.	79 4812.	73 4954.	61 4666.	8.52 1442	0.40 1422	5.30 1452	68.16 1257
01	79	44	94	46	29	13	20	93	26	1.97	0.09	69	25	82	65	6.71	2.95	5.42	03.97
2017-10- 01	3055. 94	3039. 50	3015. 41	3044. 91	3026. 98	3019. 97	3037. 37	1062 2.99	1061 7.10	1418 9.67	1413 0.45	5165. 55	5170. 91	5151. 30	5193. 07	1610 4.58	1608 0.26	1607 0.43	1397 36.41
2017-11-	94 3158.	3108.	3014.	91 3069.	98 3056.	3027.	3096.	1063	7.10 1061	9.67	1453	5323.	91 5170.	30 5126.	5241.	4.58 1622	1632	1641	36.41 1413
01	60	55	11	78	81	30	48	0.55	8.03	2.39	5.52	47	91	21	06	6.98	9.93	9.46	76.14
2017-12- 01	3108. 44	3049. 92	3040. 39	3072. 65	2995. 94	2987. 87	3027. 49	1037 5.32	1038 0.24	1397 5.18	1403 9.16	5334. 00	5266. 41	5116. 56	5223. 39	1615 4.16	1622 8.72	1663 9.53	1400 15.35
2018-01-	3239.	3262.	3254.	3078.	3120.	3113.	3149.	1017	9998.	1367	1350	5670.	5187.	5236.	5176.	1599	1621	1665	1397
01	00	09	62	81	55	91	94	4.06	76	7.60	2.90	39	91	69	86	0.66	9.22	0.56	04.54
2018-02- 01	3231. 29	3333. 46	3188. 89	2964. 43	3074. 40	3025. 59	3123. 00	1051 1.41	1023 8.11	1401 0.93	1304 8.42	5447. 47	4998. 19	5030. 26	5179. 20	1599 2.09	1632 8.16	1648 6.73	1392 12.01
2018-03-	3163.	3226.	3210.	2971.	3081.	3032.	3090.	1065	1046	1430	1357	5305.	5022.	4975.	5210.	1619	1649	1683	1408
2018-04-	99 3258.	79 3238.	34 3211.	64 3245.	50 3230.	70 3221.	02 3240.	1.15 1132	9.00	7.87 1512	4.22 1506	93 5614.	60 5619.	73 5601.	49 5645.	1.00	8.38 1747	8.20 1747	21.57 1504
01	43	77	73	50	03	64	77	6.50	0.36	8.88	6.94	27	45	03	97	5.51	9.32	0.18	25.27
2018-05- 01	3351. 49	3436. 71	3149. 52	3329. 64	3181. 99	3156. 58	3277. 87	1141 2.30	1147 7.34	1521 3.43	1563 9.52	5743. 14	5764. 59	5592. 57	5691. 37	1764 9.25	1784 9.67	1801 5.92	1529 32.91
2018-06-	3449.	3566.	3063.	3395.	3156.	3142.	3327.	1173	1182	1576	1657	5726.	5915.	5459.	5727.	1776	1777	1828	1556
01	94	05	05	75	81	77	12	4.68	1.89	4.78	0.23	33	46	36	87	0.26	7.06	7.38	46.79
2018-07- 01	3532. 22	3610. 66	3150. 68	3446. 28	3254. 60	3257. 31	3456. 04	1152 6.05	1155 9.30	1539 9.19	1658 1.43	5973. 38	6000. 73	5704. 03	5679. 94	1760 4.17	1764 3.04	1851 7.12	1558 96.17
2018-08-	3633.	3807.	3008.	3386.	3171.	3155.	3503.	1152	1163	1544	1692	6167.	5908.	5616.	5729.	1774	1780	1896	1571
01	18	03	81	93	55	03	26	7.48	7.47	2.69	0.44	16	15	07	13	0.07	4.23	6.14	24.83
2018-09- 01	3618. 45	3768. 80	2918. 35	3366. 10	3184. 69	3127. 80	3499. 19	1144 9.15	1143 3.98	1522 0.66	1618 8.77	6193. 50	5874. 81	5691. 16	5667. 71	1755 0.05	1757 7.10	1886 8.11	1551 98.38
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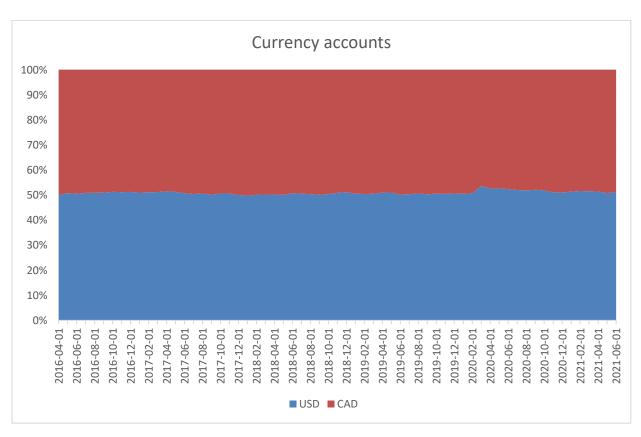
2018-10-	3524.	3501.	3481.	3515.	3501.	3494.	3511.	1226	1226	1638	1632	6023.	6030.	6014.	6060.	1878	1876	1875	1621
01	29	17	11	28	31	95	36	5.00	4.48	3.91	2.06	72	30	49	46	3.35	5.19	2.38	94.79
2018-11- 01	3633. 73	3534. 76	3694. 18	3575. 89	3561. 89	3513. 94	3576. 89	1246 1.52	1257 8.54	1666 5.78	1729 8.75	6137. 74	6123. 94	6048. 42	6126. 24	1903 1.47	1859 7.50	1913 4.36	1652 95.56
2018-12-	3380.	3303.	3638.	3300.	3422.	3408.	3364.	1286	1324	1715	1626	5504.	5829.	5571.	6196.	1931	1865	1844	1628
2019-01-	66 3542.	57 3484.	88 3875.	22 3654.	66 3558.	78 3531.	13 3488.	6.70 1248	2.65 1291	3.32 1683	6.25 1759	70 5990.	74 6323.	04 5971.	38 6289.	6.67 1951	3.40 1911	2.20 1983	61.95 1679
01	98	02	97	40	73	17	17	2.63	2.00	5.56	6.06	53	19	68	12	1.31	2.40	1.03	90.94
2019-02- 01	3658. 94	3589. 33	3862. 30	3763. 62	3650. 12	3643. 92	3589. 76	1247 4.50	1282 1.10	1681 1.87	1772 9.93	6173. 27	6444. 53	6172. 78	6310. 48	1955 1.61	1903 1.75	2057 4.91	1698 54.69
2019-03-	3765.	3780.	4004.	3792.	3740.	3706.	3733.	1274	1336	1740	1862	6284.	6563.	6278.	6446.	2002	1986	2133	1754
2019-04-	82 3432.	64 1920.	57 758.9	64 2676.	23 2919.	84 2943.	65 3158.	5.27 1487	6.27 1375	7.38 2862	0.66 2035	50 6862.	34 6878.	23 6856.	77 6928.	9.42 2143	2.37 2140	2.59 2138	61.22 1871
01	65	75	5	36	66	13	66	2.26	0.30	2.56	3.25	06	10	88	41	3.47	9.50	3.10	60.05
2019-05- 01	3230. 52	1771. 97	714.2 3	2575. 36	2787. 18	2790. 67	2979. 30	1505 9.21	1424 4.02	2926 7.01	2042 8.88	6421. 84	6617. 56	6512. 62	7051. 33	2184 0.24	2177 3.84	2172 5.73	1877 91.50
2019-06-	3329.	1841.	723.6	2611.	2797.	2822.	3036.	1464	1395	2839	1987	6797.	6810.	6709.	7117.	2199	2192	2174	1871
2019-07-	12 3409.	69 1896.	5 718.3	06 2624.	61 2813.	65 2810.	13 3100.	4.85 1469	9.02 1402	8.08 2861	8.66 2059	39 6945.	20 6829.	34 6838.	7120.	1.58 2201	9.98 2213	1.85 2207	39.90 1892
01	71	55	6	31	72	05	71	7.42	4.16	0.55	2.15	79	54	02	12	4.19	6.01	2.99	54.35
2019-08- 01	3386. 64	1879. 40	702.0 1	2632. 27	2787. 58	2791. 85	3065. 71	1496 3.62	1472 5.96	2966 2.44	2151 5.48	6823. 86	6810. 20	6709. 34	7266. 13	2252 2.17	2246 8.62	2298 0.36	1936 93.64
2019-09- 01	3407. 66	1876. 86	693.6 8	2675. 78	2851. 51	2821. 97	3133. 62	1481 8.24	1442 9.90	2914 0.33	2158 3.06	6947. 89	7000. 75	6950. 93	7202. 11	2224 6.34	2218 8.52	2357 4.88	1935 44.03
2019-10-	3300.	1719.	1390.	2750.	2792.	2721.	2817.	1589	1508	3097	2380	7550.	7571.	7545.	7629.	2359	2356	2353	2042
01 2019-11-	35 3447.	69 1804.	69 1408.	98 2855.	33 2846.	33 2778.	63 2919.	0.29 1600	2.82 1510	3.11 3136	4.48 2372	91 7823.	39 7787.	18 7724.	15 7668.	0.24 2366	5.54 2367	6.36 2395	32.45 2065
01	35	08	93	03	54	72	53	9.77	0.19	1.44	6.29	86	37	82	37	6.59	7.80	3.92	60.61
2019-12- 01	3474. 08	1840. 44	1465. 99	2834. 33	2853. 10	2841. 76	2960. 98	1575 5.41	1470 2.48	3091 9.00	2331 9.36	7960. 34	7833. 88	7707. 98	7585. 60	2337 1.89	2276 9.75	2320 6.44	2034 02.79
2020-01-	3530.	1922.	1418.	2884.	2836.	2801.	3031.	1608	1543	3200	2420	8034.	7993.	7647.	7787.	2405	2402	2443	2101
01 2020-02-	02 3286.	40 1826.	62 1383.	22 2711.	15 2645.	68 2607.	05 2803.	0.89 1637	1.48	2.33 3262	2.71 2261	07 7387.	25 7502.	43 7102.	82 7829.	3.28 2422	6.98 2431	9.69 2358	24.07 2068
01	78	07	55	91	06	43	29	6.59	3.99	2.55	6.97	54	87	00	19	5.83	5.34	4.81	71.77
2020-03- 01	3035. 12	1793. 16	1215. 90	2279. 58	2411. 43	2291. 53	2683. 39	1760 0.61	1766 5.64	3405 3.20	1910 8.38	6379. 33	6375. 07	6099. 20	7567. 09	2408 9.36	2244 5.64	1715 9.60	1942 53.22
2020-04- 01	3020. 99	2718. 31	2238. 85	1755. 67	3623. 02	3025. 11	3484. 71	1670 7.44	1672 3.95	3343 1.39	2470 8.53	3040. 68	4497. 55	5361. 12	1453 5.58	3003 3.75	2762 6.94	1501 6.87	2115 50.46
2020-05-	3136.	2871.	2291.	1801.	3785.	3172.	3564.	1655	1663	3331	2492	3187.	4583.	5640.	1458	3007	2798	1468	2127
01	50	72	73	53	33	99	79	0.93	0.24	4.69	7.73	34	24	18	9.69	5.41	6.16	6.08	96.28
2020-06- 01	3156. 62	3026. 32	2413. 30	1842. 00	3837. 24	3252. 98	3649. 20	1644 3.02	1652 5.54	3349 7.40	2520 3.47	3225. 69	4735. 91	5722. 95	1485 1.62	3047 9.19	2844 3.34	1513 0.59	2154 36.37
2020-07- 01	3297. 30	3196. 21	2584. 71	1928. 45	3896. 34	3334. 58	3781. 85	1616 6.28	1637 0.77	3366 4.42	2594 5.58	3434. 04	4930. 98	5664. 35	1506 5.34	3083 1.97	3007 2.08	1532 1.15	2194 86.39
2020-08-	3440.	3458.	2589.	1977.	3979.	3392.	3974.	1576	1581	3312	2536	3660.	5003.	5877.	1485	3035	2983	1503	2174
2020-09-	00 3374.	12 3333.	79 2592.	05 1931.	17 3988.	16 3343.	32 3852.	3.88 1612	1.51 1623	2.03 3376	0.97 2518	08 3515.	37 4939.	06 5829.	2.64 1491	2.92 3049	0.63 2987	4.02 1490	79.74 2182
01	51	89	91	33	16	95	36	9.63	2.86	2.42	9.06	19	75	26	0.71	6.92	4.53	7.28	04.72
2020-10- 01	3101. 50	2648. 46	2343. 78	1193. 57	4035. 89	3151. 89	3751. 08	1742 2.43	1748 4.86	3490 7.29	2631 6.88	3496. 98	4731. 15	7159. 69	1505 6.08	3242 9.55	2901 0.27	1621 4.78	2244 56.13
2020-11-	3352.	2872.	2480.	1331.	4496.	3576.	4061.	1699	1710	3447	2786	3866.	5193.	8026.	1523	3265	2951	1901	2321
01 2020-12-	94 3400.	17 2953.	83 2567.	25 1331.	55 4593.	96 3666.	64 4142.	1.03	5.93 1674	2.14 3427	0.77 2784	48 3979.	61 5282.	52 8166.	3.48 1531	3.26 3272	3.78 2926	3.65 1856	02.99 2315
01	56	80	15	65	13	45	52	9.27	9.58	2.82	7.55	80	47	43	1.14	3.45	7.68	5.22	10.65
2021-01- 01	3386. 96	2972. 78	2668. 89	1340. 33	4610. 62	3686. 55	4180. 69	1673 8.84	1662 0.68	3447 4.79	2798 2.36	3963. 75	5272. 34	8243. 80	1510 9.98	3230 2.21	2887 2.52	1862 4.97	2310 53.05
2021-02- 01	3470. 98	2960. 14	2702. 81	1404. 99	4700. 05	3770. 61	4240. 04	1667 4.54	1616 9.88	3379 4.06	2857 7.92	4071. 87	5464. 83	8473. 82	1469 6.99	3128 7.84	2763 6.81	1934 6.66	2294 44.85
2021-03-	3583.	2979.	2655.	1473.	4773.	3843.	4332.	1651	1563	3339	2980	4251.	5754.	8903.	1450	3083	2740	2027	2309
01	23	33	35	33	57	07	72	2.53	8.85	3.46	1.20	41	36	18	8.02	5.12	0.41	0.18	09.32
2021-04- 01	3211. 92	2948. 29	3523. 20	1278. 64	3954. 32	2704. 00	3984. 44	1871 8.38	1867 9.89	3739 8.27	2825 9.55	4174. 54	5339. 05	6824. 87	1605 9.52	3531 6.83	3234 9.54	1765 8.42	2423 83.69
2021-05- 01	3180. 76	2865. 80	3525. 15	1337. 81	4025. 88	2778. 79	3962. 51	1842 8.46	1845 5.54	3710 8.57	2808 3.14	4192. 16	5503. 75	6980. 67	1615 5.91	3551 5.72	3346 2.81	1812 3.16	2436 86.60
2021-06-	3326.	3121.	3646.	1351.	4032.	2782.	4125.	1888	1913	3831	2932	4281.	5687.	6989.	1632	3594	3378	1873	2497
01	94	92	95	33	33	14	67	1.84	4.96	3.73	6.92	16	70	97	8.98	2.42	6.44	5.16	96.55





## **Currency account history**





## Fee break down

USD account. In (\$USD)

	SPY	QQQ	vwo	EWC	EFA	VGK	100	SHY	IEF	TIP	IYR	Tot
2016-10-01	1.9995	3.8156	1.5110	3.2696	0.8461	1.9571	2.7552	4.7429	1.8139	5.6617	16.0503	44.4229
2017-04-01	2.0755	1.2226	10.3500	1.6613	5.5301	7.7781	2.1277	1.9351	6.2564	16.7514	0.2863	55.9745
2017-10-01	0.2944	0.0628	0.0682	0.1659	0.1248	0.0864	0.0554	4.4140	4.2443	5.8033	4.4368	19.7562
2018-04-01	0.3253	0.0346	0.3972	0.8946	0.4653	0.4921	0.5311	2.9676	4.0717	3.7310	5.5602	19.4707
2018-10-01	0.3415	0.0075	2.7229	1.4030	2.0270	2.1332	0.6332	2.3879	2.6436	4.3079	0.4709	19.0787
2019-04-01	1.9754	7.8218	12.5290	4.7168	3.5579	3.5617	2.7923	7.5119	1.3592	41.1501	5.5145	92.4906
2019-10-01	0.7466	0.9198	2.5112	0.3342	0.5850	0.8540	1.5467	3.9251	2.4039	7.1959	7.2709	28.2934
2020-04-01	1.2407	2.5153	3.4411	2.6025	4.0647	2.2487	2.0528	2.0109	2.1688	2.9983	14.7175	40.0614
2020-10-01	0.6910	2.1269	1.1059	2.4842	0.7904	0.0421	0.1462	5.2099	5.8700	6.2618	6.9472	31.6755
2021-04-01	1.9045	0.4998	3.6385	0.8928	3.3527	5.0002	1.7624	10.8358	13.5602	18.5634	12.8209	72.8312
Tot	11.5945	19.0266	38.2749	18.4249	21.3439	24.1537	14.4030	45.9411	44.3920	112.4249	74.0753	424.0549

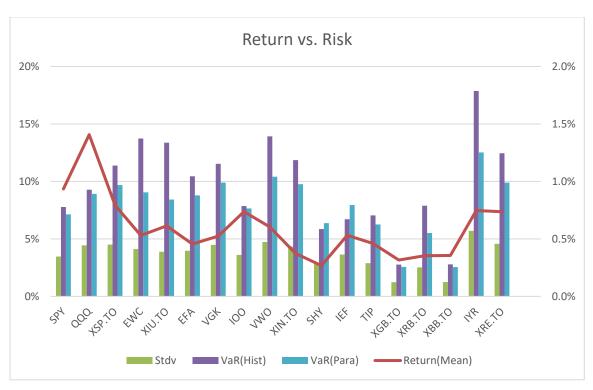
#### CAD account in (\$CAD)

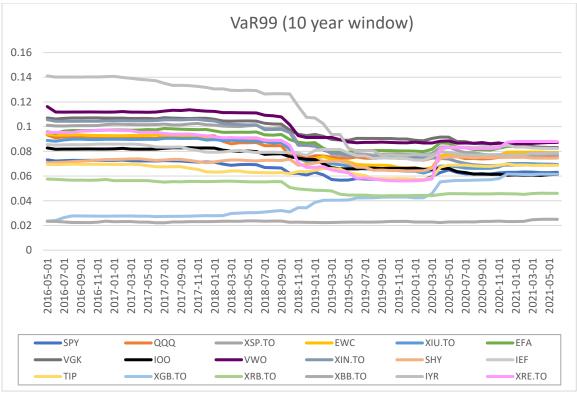
	XSP.TO	XIU.TO	XIN.TO	XBB.TO	XGB.TO	XRB.TO	XRE.TO	Tot
2016-10-01	14.7158	8.8458	14.9644	25.4351	10.9298	5.4254	28.2644	108.5806
2017-04-01	0.1500	1.0264	0.1144	2.5796	8.5165	10.4663	2.6756	25.5288
2017-10-01	0.1018	1.0543	0.1867	2.2780	7.2508	7.8849	6.2435	25.0000
2018-04-01	1.4891	2.5983	2.2205	2.3537	7.6120	5.4785	3.2478	25.0000
2018-10-01	1.3052	2.5046	3.4602	2.1768	6.8129	7.7647	0.9756	25.0000
2019-04-01	1.6558	0.3335	1.8113	2.4345	7.3567	7.5632	3.8452	25.0000
2019-10-01	2.2886	3.2245	2.4422	2.2077	6.9382	7.6145	0.2842	25.0000
2020-04-01	20.6290	12.3213	5.3591	32.9435	26.0120	20.2769	15.9230	133.4649
2020-10-01	0.3489	0.1748	7.6786	1.3951	10.9447	3.5096	8.3170	32.3688
2021-04-01	1.4445	2.7192	10.8560	7.7992	22.3406	27.6100	17.7300	90.4996
Tot	44.1288	34.8028	49.0935	81.6032	114.7141	103.5940	87.5064	515.4427

## Benchmark performance

	AW	AW (run2)	Benchmark
TWRR	5.96%	6.17%	4.72%
MWRR	5.91%	6.14%	
excess mean	4.91%	5.12%	3.67%
STD	6.02%	5.94%	6.01%
Sharpe Ratio	0.815	0.86	0.61

### Benchmark risk





## **Unit history**

**USD** account

date	SPY	QQQ	vwo	EWC	EFA	VGK	100	SHY	IEF	TIP	IYR
2016- 04-01	13.63503	21.03485	9.921933	46.40197	21.22027	21 42067	61 // [/ [	76.08278	58.63015	116.0885	92.82064
2016-	13.03503	21.03485	9.921933	46.40197	21.22027	21.43067	61.44545	70.08278	38.03013	110.0885	92.82064
05-01	13.63503	21.03485	9.921933	46.40197	21.22027	21.43067	61.44545	76.08278	58.63015	116.0885	92.82064
2016- 06-01	13.63503	21.03485	9.921933	46.40197	21.22027	21.43067	61.44545	76.08278	58.63015	116.0885	92.82064
2016-			0.0000				007770				
07-01 2016-	13.63503	21.03485	9.921933	46.40197	21.22027	21.43067	61.44545	76.08278	58.63015	116.0885	92.82064
08-01	13.63503	21.03485	9.921933	46.40197	21.22027	21.43067	61.44545	76.08278	58.63015	116.0885	92.82064
2016-	12 62502	21 02405	0.021022	46 40107	21 22027	21 42067	61 44545	76 00270	F9 6301F	116 0005	02 92064
09-01 2016-	13.63503	21.03485	9.921933	46.40197	21.22027	21.43067	61.44545	76.08278	58.63015	116.0885	92.82064
10-01	11.56945	14.25356	0.909536	75.01225	17.84555	11.74011	44.8755	87.86871	62.14747	126.737	141.6384
2016- 11-01	11.56945	14.25356	0.909536	75.01225	17.84555	11.74011	44.8755	87.86871	62.14747	126.737	141.6384
2016-											
12-01 2017-	11.56945	14.25356	0.909536	75.01225	17.84555	11.74011	44.8755	87.86871	62.14747	126.737	141.6384
01-01	11.56945	14.25356	0.909536	75.01225	17.84555	11.74011	44.8755	87.86871	62.14747	126.737	141.6384
2017-	11 56045	14 25256	0.000536	75 01225	17 04555	11 74011	44.0755	07 06071	62 14747	126 727	141 6204
02-01 2017-	11.56945	14.25356	0.909536	75.01225	17.84555	11.74011	44.8755	87.86871	62.14747	126.737	141.6384
03-01	11.56945	14.25356	0.909536	75.01225	17.84555	11.74011	44.8755	87.86871	62.14747	126.737	141.6384
2017- 04-01	9.674424	16.09126	58.22558	88.84183	37.48355	45.09633	56.09011	92.60898	74.69991	94.58184	142.3053
2017-											
05-01 2017-	9.674424	16.09126	58.22558	88.84183	37.48355	45.09633	56.09011	92.60898	74.69991	94.58184	142.3053
06-01	9.674424	16.09126	58.22558	88.84183	37.48355	45.09633	56.09011	92.60898	74.69991	94.58184	142.3053
2017- 07-01	9.674424	16.09126	58.22558	88.84183	37.48355	45.09633	56.09011	92.60898	74.69991	94.58184	142.3053
2017-	3.07 1121	10.03120	30.22330	00.01103	37.10333	13.03033	30.03011	32.00030	7 1.03331	3 113010 1	112.0033
08-01 2017-	9.674424	16.09126	58.22558	88.84183	37.48355	45.09633	56.09011	92.60898	74.69991	94.58184	142.3053
09-01	9.674424	16.09126	58.22558	88.84183	37.48355	45.09633	56.09011	92.60898	74.69991	94.58184	142.3053
2017- 10-01	0.015005	16 00074	E7 06020	00.06704	27 97040	45.41317	E6 22261	103.6145	02 20000	105 6220	154 7001
2017-	9.915885	16.00074	57.86938	90.06794	37.87049	45.41517	56.33361	105.0145	83.20088	105.6238	154.7091
11-01	9.915885	16.00074	57.86938	90.06794	37.87049	45.41317	56.33361	103.6145	83.20088	105.6238	154.7091
2017- 12-01	9.915885	16.00074	57.86938	90.06794	37.87049	45.41317	56.33361	103.6145	83.20088	105.6238	154.7091
2018-				00.0570.5	27.07046	45 44345		402 6445		405 6336	4547004
01-01 2018-	9.915885	16.00074	57.86938	90.06794	37.87049	45.41317	56.33361	103.6145	83.20088	105.6238	154.7091
02-01	9.915885	16.00074	57.86938	90.06794	37.87049	45.41317	56.33361	103.6145	83.20088	105.6238	154.7091
2018- 03-01	9.915885	16.00074	57.86938	90.06794	37.87049	45.41317	56.33361	103.6145	83.20088	105.6238	154.7091
2018-					27.37.543						
04-01 2018-	10.17336	16.03945	59.74688	96.89429	39.31169	47.25091	58.78842	111.0494	91.63421	112.7253	170.8426
05-01	10.17336	16.03945	59.74688	96.89429	39.31169	47.25091	58.78842	111.0494	91.63421	112.7253	170.8426
2018- 06-01	10.17336	16.03945	59.74688	96.89429	39.31169	47.25091	58.78842	111.0494	91.63421	112.7253	170.8426
2018-	10.1/330	10.03343	33.74000	30.03423	39.31109	47.23031	30.70042	111.0434	31.03421	112./233	170.0420
07-01	10.17336	16.03945	59.74688	96.89429	39.31169	47.25091	58.78842	111.0494	91.63421	112.7253	170.8426

2018- 10-17335		1	1	1	1	1	1	1	1	1		1
	2018- 08-01	10.17336	16.03945	59.74688	96.89429	39.31169	47.25091	58.78842	111.0494	91.63421	112.7253	170.8426
100-1   10.43542   16.0255   75.13871   108.1863   46.3281   56.23653   61.68704   116.9874   97.09364   121.0352   172.092	2018-											
10-043   10-043542   16-0255   75.13871   108.1863   63.3281   56.23653   61.68704   116.9874   97.09364   121.0352   172.092		10.17336	16.03945	59.74688	96.89429	39.31169	47.25091	58.78842	111.0494	91.63421	112.7253	170.8426
1.043542   1.043542	10-01	10.43542	16.0255	75.13871	108.1863	46.33281	56.23653	61.68704	116.9874	97.09364	121.0352	172.092
10.43   10.43542   16.0255   75.13871   108.1863   46.33281   56.23653   61.68704   116.9874   97.09364   121.0352   172.092		10.43542	16.0255	75.13871	108.1863	46.33281	56.23653	61.68704	116.9874	97.09364	121.0352	172.092
101-01   10.43542   16.0255   75.13871   108.1863   46.33281   56.23653   61.68704   116.9874   97.09364   121.0352   172.092	2018-											
10-10   10-43542   16-0255   75.13871   108.1863   46.33281   56.23653   61.68704   116.9874   70.09364   121.0352   172.092   172.092   10-101		10.43542	16.0255	75.13871	108.1863	46.33281	56.23653	61.68704	116.9874	97.09364	121.0352	172.092
10.43542   16.0255   75.13871   108.1863   46.33281   56.23653   61.68704   116.9874   97.09364   121.0352   172.092     10.9401   10.43542   16.0255   75.13871   108.1863   46.33281   56.23653   61.68704   116.9874   97.09364   121.0352   172.092     10.9401   10.43542   16.0255   75.13871   108.1863   46.33281   56.23653   61.68704   116.9874   97.09364   121.0352   172.092     10.9401   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647     10.9501   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647     10.9401   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647     10.9401   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647     10.9401   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647     10.9401   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647     10.9401   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647     10.9401   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647     10.9401   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647     10.9401   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647     10.9401   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647     10.9401   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647     10.9401   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   4	01-01	10.43542	16.0255	75.13871	108.1863	46.33281	56.23653	61.68704	116.9874	97.09364	121.0352	172.092
2019-   10.43542   16.0255   75.13871   108.1863   46.33281   56.23653   61.68704   116.9874   97.09364   121.0352   172.092   172.092   19.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647   18.0019   19.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647   19.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647   19.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647   19.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647   19.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647   19.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647   19.0901   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647   19.0901   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647   19.0901   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647   19.0901   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647   19.0901   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647   19.091   9.003591   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647   19.091   1		10.43542	16.0255	75.13871	108.1863	46.33281	56.23653	61.68704	116.9874	97.09364	121.0352	172.092
2019- 04-01         9.025919 9.025919         7.641683 7.641683         13.80318 13.80318         73.31901 73.31901         34.85715 34.85715         42.38001 49.78024         49.78024 135.1852         135.1852 99.6134         99.6134 196.9869         185.3647 185.3647           2019- 06-01         9.025919 9.025919         7.641683 7.641683         13.80318 13.80318         73.31901 73.31901         34.85715 34.85715         42.38001 49.78024         49.78024 135.1852         135.1852 99.6134         99.6134 196.9869         185.3647           2019- 2019- 10-91         9.025919 9.025919         7.641683 7.641683         13.80318 13.80318         73.31901 73.31901         34.85715 34.85715         42.38001 42.38001         49.78024 49.78024         135.1852 49.6134         99.6134 196.9869         185.3647           2019- 2019- 10-01         8.515585 8.696252         6.696252 26.29677         75.7138 75.7138         33.02363 39.13239         43.4799 43.4799         144.5335 103.9378         209.7419 201.4976         201.4976           2020- 01-01         8.515585 8.696252         6.696252 26.29677         75.7138 75.7138         33.02363 39.13239         43.4799 43.4799         144.5335 103.9378         103.9378 209.7419         201.4976           2020- 02-01         8.515585 8.696252         6.696252 26.29677         75.7138 75.7138         33.02363 39.13239         31.3239 43.4799         43.45335 10	2019-										1110001	1,1,001
Decision   Processing   Proce		10.43542	16.0255	75.13871	108.1863	46.33281	56.23653	61.68704	116.9874	97.09364	121.0352	172.092
19.01   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647	04-01	9.025919	7.641683	13.80318	73.31901	34.85715	42.38001	49.78024	135.1852	99.6134	196.9869	185.3647
2019-		9.025919	7.641683	13.80318	73.31901	34.85715	42.38001	49.78024	135.1852	99.6134	196.9869	185.3647
2019-   07-01   9.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647	2019-											
07-01         9.025919         7.641683         13.80318         73.31901         34.85715         42.38001         49.78024         135.1852         99.6134         196.9869         185.3647           2019- 09-01         9.025919         7.641683         13.80318         73.31901         34.85715         42.38001         49.78024         135.1852         99.6134         196.9869         185.3647           2019- 10-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2019- 11-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020- 01-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020- 01-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020- 02-01         8.5155		9.025919	7.641683	13.80318	73.31901	34.85715	42.38001	49.78024	135.1852	99.6134	196.9869	185.3647
08-01         9.025919         7.641683         13.80318         73.31901         34.85715         42.38001         49.78024         135.1852         99.6134         196.9869         185.3647           2019- 10-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2019- 11-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2019- 11-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020- 01-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020- 02-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020- 03-01         8.51558	07-01	9.025919	7.641683	13.80318	73.31901	34.85715	42.38001	49.78024	135.1852	99.6134	196.9869	185.3647
2019-   09-01   0.025919   7.641683   13.80318   73.31901   34.85715   42.38001   49.78024   135.1852   99.6134   196.9869   185.3647		9 025919	7 641683	13 80318	73 31901	34 85715	42 38001	49 78024	135 1852	99 6134	196 9869	185 3647
2019-   10-01   8.515585   6.696252   26.29677   75.7138   33.02363   39.13239   43.4799   144.5335   103.9378   209.7419   201.4976   2019-   11-01   8.515585   6.696252   26.29677   75.7138   33.02363   39.13239   43.4799   144.5335   103.9378   209.7419   201.4976   2019-   12-01   8.515585   6.696252   26.29677   75.7138   33.02363   39.13239   43.4799   144.5335   103.9378   209.7419   201.4976   2020-	2019-											
10-01   8.515585   6.696252   26.29677   75.7138   33.02363   39.13239   43.4799   144.5335   103.9378   209.7419   201.4976     11-01   8.515585   6.696252   26.29677   75.7138   33.02363   39.13239   43.4799   144.5335   103.9378   209.7419   201.4976     12-01   8.515585   6.696252   26.29677   75.7138   33.02363   39.13239   43.4799   144.5335   103.9378   209.7419   201.4976     12-01   8.515585   6.696252   26.29677   75.7138   33.02363   39.13239   43.4799   144.5335   103.9378   209.7419   201.4976     12-01   8.515585   6.696252   26.29677   75.7138   33.02363   39.13239   43.4799   144.5335   103.9378   209.7419   201.4976     12-02   202		9.025919	7.641683	13.80318	73.31901	34.85715	42.38001	49.78024	135.1852	99.6134	196.9869	185.3647
1-01   8.515585   6.696252   26.29677   75.7138   33.02363   39.13239   43.4799   144.5335   103.9378   209.7419   201.4976	10-01	8.515585	6.696252	26.29677	75.7138	33.02363	39.13239	43.4799	144.5335	103.9378	209.7419	201.4976
2019-12-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020-01-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020-02-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020-03-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020-03-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020-03-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020-0-06-01         7.64100		8.515585	6.696252	26.29677	75.7138	33.02363	39.13239	43.4799	144.5335	103.9378	209.7419	201.4976
2020- 01-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020- 02-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020- 03-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020- 03-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 06-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 06-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 09-01         7.	2019-											
01-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020- 02-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020- 03-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020- 04-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 06-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 07-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 09-01         7.641001		8.515585	6.696252	26.29677	75.7138	33.02363	39.13239	43.4799	144.5335	103.9378	209.7419	201.4976
02-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020- 03-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020- 04-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 05-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 06-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 08-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 09-01         7.641001	01-01	8.515585	6.696252	26.29677	75.7138	33.02363	39.13239	43.4799	144.5335	103.9378	209.7419	201.4976
2020- 03-01         8.515585         6.696252         26.29677         75.7138         33.02363         39.13239         43.4799         144.5335         103.9378         209.7419         201.4976           2020- 04-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 05-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 06-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 07-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 08-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 09-01         7.		8.515585	6.696252	26.29677	75.7138	33.02363	39.13239	43.4799	144.5335	103.9378	209.7419	201.4976
2020- 04-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 05-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 06-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 07-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 08-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 09-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 09-01         7.	2020-	0.545505	6 606353	26 20677	75 7400	22 02252	20 42220	42.4700	444.5335	102.0270	200 7440	204 4076
2020- 05-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 06-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 07-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 08-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 09-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 10-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 10-1         7.6		8.515585	6.696252	26.29677	/5./138	33.02363	39.13239	43.4799	144.5335	103.9378	209.7419	201.4976
05-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 06-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 07-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 08-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 09-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 10-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 10-01         7.641001		7.641001	9.003569	45.81304	53.62797	47.91697	49.27103	51.94522	139.795	100.2792	204.5493	241.252
06-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           07-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 08-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 09-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 10-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 10-01         7.210576         7.415082         40.68608         34.49583         50.53414         49.07853         52.47069         151.831         110.081         214.7293         259.3933           2020-         7.41		7.641001	9.003569	45.81304	53.62797	47.91697	49.27103	51.94522	139.795	100.2792	204.5493	241.252
2020- 07-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 08-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 09-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 10-01         7.210576         7.415082         40.68608         34.49583         50.53414         49.07853         52.47069         151.831         110.081         214.7293         259.3933           2020-         10-01         7.210576         7.415082         40.68608         34.49583         50.53414         49.07853         52.47069         151.831         110.081         214.7293         259.3933		7.641001	0.003560	45.01204	F2 C2707	47.01.007	40.37103	F1 04F22	120 705	100 2702	204 5 402	244 252
2020- 08-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 09-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 10-01         7.210576         7.415082         40.68608         34.49583         50.53414         49.07853         52.47069         151.831         110.081         214.7293         259.3933           2020- 10-01         7.210576         7.415082         40.68608         34.49583         50.53414         49.07853         52.47069         151.831         110.081         214.7293         259.3933		7.641001	9.003569	45.81304	53.02/9/	47.91097	49.27103	51.94522	139.795	100.2792	204.5493	241.252
08-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 09-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 10-01         7.210576         7.415082         40.68608         34.49583         50.53414         49.07853         52.47069         151.831         110.081         214.7293         259.3933           2020-         100.2792         100.2792         100.2792         204.5493         241.252		7.641001	9.003569	45.81304	53.62797	47.91697	49.27103	51.94522	139.795	100.2792	204.5493	241.252
09-01         7.641001         9.003569         45.81304         53.62797         47.91697         49.27103         51.94522         139.795         100.2792         204.5493         241.252           2020- 10-01         7.210576         7.415082         40.68608         34.49583         50.53414         49.07853         52.47069         151.831         110.081         214.7293         259.3933           2020-         Image: Control of the		7.641001	9.003569	45.81304	53.62797	47.91697	49.27103	51.94522	139.795	100.2792	204.5493	241.252
2020- 10-01         7.210576         7.415082         40.68608         34.49583         50.53414         49.07853         52.47069         151.831         110.081         214.7293         259.3933           2020-         -		7 641001	0.003560	4E 01204	E2 62707	47.01607	40 27102	E1 0/1522	120 705	100 2702	204 5402	241 252
2020-		7.041001	3.003303	43.01304	33.02/3/	47.3103/	45.2/103	J1.74322	133./33	100.2/32	204.3433	241.232
		7.210576	7.415082	40.68608	34.49583	50.53414	49.07853	52.47069	151.831	110.081	214.7293	259.3933
		7.210576	7.415082	40.68608	34.49583	50.53414	49.07853	52.47069	151.831	110.081	214.7293	259.3933

2020-											
12-01	7.210576	7.415082	40.68608	34.49583	50.53414	49.07853	52.47069	151.831	110.081	214.7293	259.3933
2021-											
01-01	7.210576	7.415082	40.68608	34.49583	50.53414	49.07853	52.47069	151.831	110.081	214.7293	259.3933
2021-											
02-01	7.210576	7.415082	40.68608	34.49583	50.53414	49.07853	52.47069	151.831	110.081	214.7293	259.3933
2021-											
03-01	7.210576	7.415082	40.68608	34.49583	50.53414	49.07853	52.47069	151.831	110.081	214.7293	259.3933
2021-											
04-01	6.290294	7.113871	54.45447	29.42953	41.80219	33.73708	47.30002	176.8382	133.8395	244.3309	233.2449
2021-											
05-01	6.290294	7.113871	54.45447	29.42953	41.80219	33.73708	47.30002	176.8382	133.8395	244.3309	233.2449
2021-											
06-01	6.290294	7.113871	54.45447	29.42953	41.80219	33.73708	47.30002	176.8382	133.8395	244.3309	233.2449

#### CAD account

date	XSP.TO	XIU.TO	XIN.TO	хвв.то	XGB.TO	XRB.TO	XRE.TO
2016-04-01	57.42327	129.9239	61.81255	332.5375	767.069	595.4475	598.0397
2016-05-01	57.42327	129.9239	61.81255	332.5375	767.069	595.4475	598.0397
2016-06-01	57.42327	129.9239	61.81255	332.5375	767.069	595.4475	598.0397
2016-07-01	57.42327	129.9239	61.81255	332.5375	767.069	595.4475	598.0397
2016-08-01	57.42327	129.9239	61.81255	332.5375	767.069	595.4475	598.0397
2016-09-01	57.42327	129.9239	61.81255	332.5375	767.069	595.4475	598.0397
2016-10-01	187.4602	222.3339	211.1392	151.4544	657.0022	549.1817	1044.298
2016-11-01	187.4602	222.3339	211.1392	151.4544	657.0022	549.1817	1044.298
2016-12-01	187.4602	222.3339	211.1392	151.4544	657.0022	549.1817	1044.298
2017-01-01	187.4602	222.3339	211.1392	151.4544	657.0022	549.1817	1044.298
2017-02-01	187.4602	222.3339	211.1392	151.4544	657.0022	549.1817	1044.298
2017-03-01	187.4602	222.3339	211.1392	151.4544	657.0022	549.1817	1044.298
2017-04-01	186.2071	232.2822	210.0384	169.7332	742.1745	639.568	1083.139
2017-05-01	186.2071	232.2822	210.0384	169.7332	742.1745	639.568	1083.139
2017-06-01	186.2071	232.2822	210.0384	169.7332	742.1745	639.568	1083.139
2017-07-01	186.2071	232.2822	210.0384	169.7332	742.1745	639.568	1083.139
2017-08-01	186.2071	232.2822	210.0384	169.7332	742.1745	639.568	1083.139
2017-09-01	186.2071	232.2822	210.0384	169.7332	742.1745	639.568	1083.139
2017-10-01	186.8758	242.0657	211.495	185.9823	815.2928	708.8249	1173.93
2017-11-01	186.8758	242.0657	211.495	185.9823	815.2928	708.8249	1173.93
2017-12-01	186.8758	242.0657	211.495	185.9823	815.2928	708.8249	1173.93
2018-01-01	186.8758	242.0657	211.495	185.9823	815.2928	708.8249	1173.93
2018-02-01	186.8758	242.0657	211.495	185.9823	815.2928	708.8249	1173.93
2018-03-01	186.8758	242.0657	211.495	185.9823	815.2928	708.8249	1173.93
2018-04-01	197.2751	266.6339	229.6252	202.8254	892.6235	755.9608	1218.841
2018-05-01	197.2751	266.6339	229.6252	202.8254	892.6235	755.9608	1218.841
2018-06-01	197.2751	266.6339	229.6252	202.8254	892.6235	755.9608	1218.841
2018-07-01	197.2751	266.6339	229.6252	202.8254	892.6235	755.9608	1218.841
2018-08-01	197.2751	266.6339	229.6252	202.8254	892.6235	755.9608	1218.841

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2018-09-01	197.2751	266.6339	229.6252	202.8254	892.6235	755.9608	1218.841
2018-10-01	206.1445	290.6904	259.3904	218.4502	962.1183	823.8864	1231.27
2018-11-01	206.1445	290.6904	259.3904	218.4502	962.1183	823.8864	1231.27
2018-12-01	206.1445	290.6904	259.3904	218.4502	962.1183	823.8864	1231.27
2019-01-01	206.1445	290.6904	259.3904	218.4502	962.1183	823.8864	1231.27
2019-02-01	206.1445	290.6904	259.3904	218.4502	962.1183	823.8864	1231.27
2019-03-01	206.1445	290.6904	259.3904	218.4502	962.1183	823.8864	1231.27
2019-04-01	216.5352	293.4561	273.7799	234.8933	1032.73	886.2613	1276.844
2019-05-01	216.5352	293.4561	273.7799	234.8933	1032.73	886.2613	1276.844
2019-06-01	216.5352	293.4561	273.7799	234.8933	1032.73	886.2613	1276.844
2019-07-01	216.5352	293.4561	273.7799	234.8933	1032.73	886.2613	1276.844
2019-08-01	216.5352	293.4561	273.7799	234.8933	1032.73	886.2613	1276.844
2019-09-01	216.5352	293.4561	273.7799	234.8933	1032.73	886.2613	1276.844
2019-10-01	230.4477	320.6918	292.6527	249.2574	1096.986	947.2413	1279.618
2019-11-01	230.4477	320.6918	292.6527	249.2574	1096.986	947.2413	1279.618
2019-12-01	230.4477	320.6918	292.6527	249.2574	1096.986	947.2413	1279.618
2020-01-01	230.4477	320.6918	292.6527	249.2574	1096.986	947.2413	1279.618
2020-02-01	230.4477	320.6918	292.6527	249.2574	1096.986	947.2413	1279.618
2020-03-01	230.4477	320.6918	292.6527	249.2574	1096.986	947.2413	1279.618
2020-04-01	97.72181	206.9985	243.6218	454.806	1324.679	1108.478	1054.571
2020-05-01	97.72181	206.9985	243.6218	454.806	1324.679	1108.478	1054.571
2020-06-01	97.72181	206.9985	243.6218	454.806	1324.679	1108.478	1054.571
2020-07-01	97.72181	206.9985	243.6218	454.806	1324.679	1108.478	1054.571
2020-08-01	97.72181	206.9985	243.6218	454.806	1324.679	1108.478	1054.571
2020-09-01	97.72181	206.9985	243.6218	454.806	1324.679	1108.478	1054.571
2020-10-01	99.68097	205.4189	310.0291	463.2523	1420.109	1081.975	1174.73
2020-11-01	99.68097	205.4189	310.0291	463.2523	1420.109	1081.975	1174.73
2020-12-01	99.68097	205.4189	310.0291	463.2523	1420.109	1081.975	1174.73
2021-01-01	99.68097	205.4189	310.0291	463.2523	1420.109	1081.975	1174.73
2021-02-01	99.68097	205.4189	310.0291	463.2523	1420.109	1081.975	1174.73
2021-03-01	99.68097	205.4189	310.0291	463.2523	1420.109	1081.975	1174.73
2021-04-01	93.16187	186.2989	235.0664	512.6514	1624.368	1303.474	977.6548
2021-05-01	93.16187	186.2989	235.0664	512.6514	1624.368	1303.474	977.6548
2021-06-01	93.16187	186.2989	235.0664	512.6514	1624.368	1303.474	977.6548