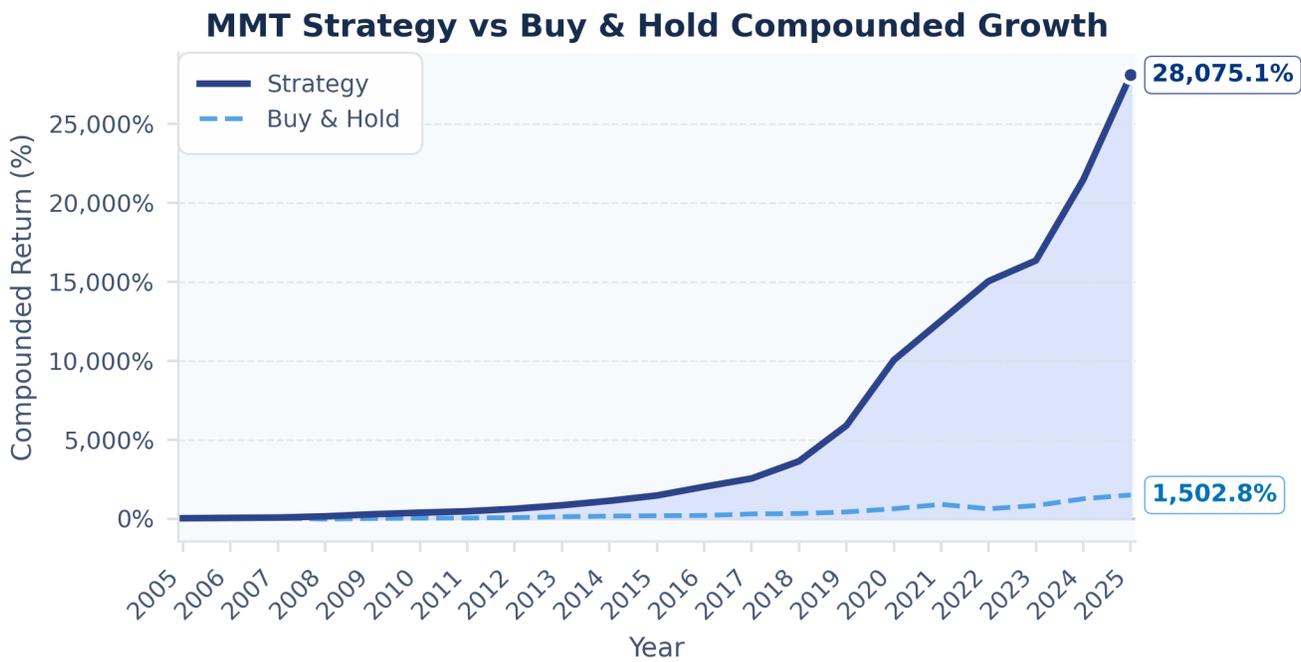




<b>All-Time Return</b> <b>+28075.09%</b>	<b>CAGR</b> <b>+30.87%</b>	<b>Buy &amp; Hold CAGR</b> <b>+14.15%</b>	<b>Profit Factor</b> <b>2.84</b>
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**All-Time Return:** Total cumulative return since inception.  
**CAGR:** Compound Annual Growth Rate - annualized rate of return.  
**Buy & Hold CAGR:** Annualized return of a buy & hold strategy.  
**Profit Factor:** Ratio of gross profits to gross losses (>1 indicates profitable).

## Performance Over Time



This chart displays the compounded growth of the trading strategy (solid line) compared to a buy & hold approach (dashed line) over time. Understanding Compounded vs. Simple Returns: Compounded returns reflect growth including reinvestment of gains, providing a realistic view of long-term wealth potential. Simple returns show performance within individual periods (like years) without reinvestment effect.

**Final Performance Comparison:** Strategy: +28075.09% vs Buy & Hold: +1502.76%  
**Absolute Outperformance:** +26572.33%  
**Relative Outperformance:** 18.68x Buy & Hold return



## Overall Statistics

Metric	Value
All-Time Return	+28075.09%
CAGR %	+30.87%
Buy & Hold CAGR %	+14.15%
Buy & Hold (All-Time)	+1502.89%
Relative Outperformance	18.68x
Total Trades	649
Winning Trades	295
Losing Trades	330
Breakeven Trades	24
Win Rate	+47.20%
Average Win %	+3.14%
Average Loss %	-0.99%
Biggest Win %	+31.42%
Biggest Loss %	-6.77%
Win/Loss Ratio	3.17
Profit Factor	2.84
Total Trading Period	7658 days
Avg Trades/Month	2.58
Avg Trades/Year	30.95

**All-Time Return:** Total cumulative return since inception (compounded).

**CAGR %:** Compound Annual Growth Rate - annualized rate of return.

**Buy & Hold CAGR %:** Annualized return of a buy & hold strategy.

**Buy & Hold (All-Time):** Performance of holding the asset for the entire period (not annualized).

**Relative Outperformance:** Ratio of strategy return to buy & hold return (how many times better the strategy performed).

**Total Trades:** Number of completed trades.

**Winning/Losing/Breakeven Trades:** Count of trades by outcome.

**Win Rate:** Percentage of profitable trades.

**Average Win/Loss %:** Mean gain/loss of winning/losing trades.

**Biggest Win/Loss %:** Maximum gain/loss from a single trade.

**Win/Loss Ratio:** Ratio of average win percentage to average loss percentage (absolute).

**Profit Factor:** Ratio of gross profits to gross losses (>1 indicates profitable).

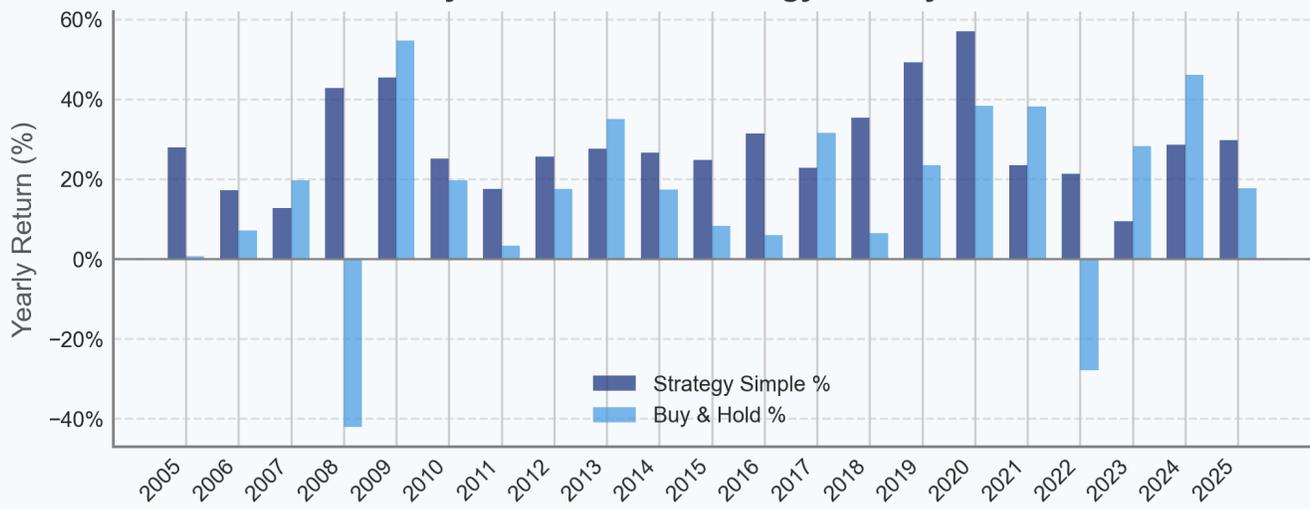
**Total Trading Period:** Total duration of the trading period in days.

**Avg Trades/Month & Avg Trades/Year:** Average trading frequency.



## Yearly Performance Analysis

Yearly Performance: Strategy vs. Buy & Hold



Year	Strategy Simple %	Strategy Comp. EOS %	Buy&Hold; %	Out-performance
2005	+27.93%	+31.07%	+0.67%	+27.26%
2006	+17.15%	+54.56%	+7.15%	+10.00%
2007	+12.69%	+74.10%	+19.62%	-6.93%
2008	+42.78%	+151.30%	-42.06%	+84.84%
2009	+45.45%	+283.51%	+54.71%	-9.26%
2010	+25.09%	+385.37%	+19.66%	+5.43%
2011	+17.49%	+472.38%	+3.39%	+14.10%
2012	+25.68%	+629.27%	+17.46%	+8.22%
2013	+27.51%	+853.34%	+35.05%	-7.54%
2014	+26.62%	+1134.03%	+17.38%	+9.24%
2015	+24.83%	+1470.48%	+8.34%	+16.49%
2016	+31.41%	+2023.41%	+5.92%	+25.49%
2017	+22.76%	+2548.73%	+31.47%	-8.71%
2018	+35.37%	+3637.84%	+6.45%	+28.92%
2019	+49.14%	+5892.29%	+23.46%	+25.68%
2020	+56.95%	+10032.68%	+38.37%	+18.58%
2021	+23.41%	+12527.68%	+38.17%	-14.76%
2022				
2023				
2024				
2025				



Year	Strategy Simple %	Strategy Comp. EOS %	Buy&Hold; %	Out-performance
2022	+21.24%	+15027.96%	-27.89%	+49.13%
2023	+9.35%	+16335.81%	+28.17%	-18.82%
2024	+28.57%	+21456.40%	+45.99%	-17.42%
2025	+29.67%	+28075.09%	+17.61%	+12.06%

**Simple %:** Annual return without compounding.

**Comp. EOS %:** Compounded End-of-Strategy return up to that year.

**Buy&Hold; %:** Return from holding the asset for the same year.

**Outperformance:** Difference between strategy simple % and buy & hold % (alpha).

**Note:** YTD calculations reflect actual trading periods rather than calendar years. Each year's performance starts with the first completed trade of that year and ends with the last trade, which may not align with January 1 to December 31 timeframes.



## Detailed Signal Log

*Type:* Direction of signal (long/short).

*Entry/Exit Price:* Signal execution prices.

*Gain/Loss %:* Percentage profit or loss per signal.

#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
1	Short	01/03/2005	38.75	36.30	+6.32%
2	Long	02/01/2005	36.30	36.20	-0.28%
3	Short	02/09/2005	36.20	36.30	-0.28%
4	Long	02/11/2005	36.30	36.30	0.00%
5	Short	02/17/2005	36.30	36.30	0.00%
6	Long	02/25/2005	36.30	36.20	-0.28%
7	Short	02/26/2005	36.20	36.20	0.00%
8	Long	03/01/2005	36.20	36.20	0.00%
9	Short	03/03/2005	36.20	36.40	-0.55%
10	Long	03/04/2005	36.40	36.30	-0.27%
11	Short	03/10/2005	36.30	35.40	+2.48%
12	Long	03/30/2005	35.40	35.30	-0.28%
13	Short	04/01/2005	35.30	35.40	-0.28%
14	Long	04/05/2005	35.40	35.30	-0.28%
15	Short	04/11/2005	35.30	35.50	-0.57%
16	Long	04/12/2005	35.50	35.20	-0.85%
17	Short	04/13/2005	35.20	34.30	+2.56%
18	Long	05/03/2005	34.30	36.50	+6.41%
19	Short	06/07/2005	36.50	36.60	-0.27%
20	Long	06/16/2005	36.60	36.40	-0.55%
21	Short	06/23/2005	36.40	36.30	+0.27%
22	Long	07/08/2005	36.30	38.20	+5.23%
23	Short	08/05/2005	38.20	38.10	+0.26%
24	Long	08/11/2005	38.10	37.80	-0.79%
25	Short	08/16/2005	37.80	37.70	+0.26%
26	Long	08/31/2005	37.70	37.90	+0.53%
27	Short	09/14/2005	37.90	37.80	+0.26%
28	Long	09/29/2005	37.80	37.60	-0.53%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
29	Short	10/05/2005	37.60	37.20	+1.06%
30	Long	10/19/2005	37.20	37.20	0.00%
31	Short	10/27/2005	37.20	37.50	-0.81%
32	Long	10/31/2005	37.50	40.20	+7.20%
33	Short	12/08/2005	40.20	40.50	-0.75%
34	Long	12/12/2005	40.50	40.30	-0.49%
35	Short	12/16/2005	40.30	39.01	+3.20%
1	Short	12/30/2005	39.01	40.00	-2.54%
2	Long	01/03/2006	40.00	40.85	+2.13%
3	Short	01/18/2006	40.85	40.60	+0.61%
4	Long	01/27/2006	40.60	40.35	-0.62%
5	Short	02/02/2006	40.35	39.80	+1.36%
6	Long	02/15/2006	39.80	39.75	-0.13%
7	Short	02/21/2006	39.75	39.85	-0.25%
8	Long	02/22/2006	39.85	39.80	-0.13%
9	Short	02/28/2006	39.80	40.00	-0.50%
10	Long	03/01/2006	40.00	39.90	-0.25%
11	Short	03/06/2006	39.90	39.80	+0.25%
12	Long	03/14/2006	39.80	39.80	0.00%
13	Short	03/21/2006	39.80	40.00	-0.50%
14	Long	03/24/2006	40.00	39.85	-0.38%
15	Short	03/28/2006	39.85	40.10	-0.63%
16	Long	03/29/2006	40.10	40.60	+1.25%
17	Short	04/11/2006	40.60	40.80	-0.49%
18	Long	04/18/2006	40.80	40.65	-0.37%
19	Short	04/21/2006	40.65	40.80	-0.37%
20	Long	04/27/2006	40.80	40.65	-0.37%
21	Short	04/28/2006	40.65	40.80	-0.37%
22	Long	05/05/2006	40.80	40.50	-0.74%
23	Short	05/10/2006	40.50	38.30	+5.43%
24	Long	06/02/2006	38.30	38.10	-0.52%
25	Short	06/05/2006	38.10	37.25	+2.23%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
26	Long	06/15/2006	37.25	37.10	-0.40%
27	Short	06/22/2006	37.10	37.20	-0.27%
28	Long	06/29/2006	37.20	37.20	0.00%
29	Short	07/05/2006	37.20	35.65	+4.17%
30	Long	07/31/2006	35.65	35.50	-0.42%
31	Short	08/01/2006	35.50	35.70	-0.56%
32	Long	08/02/2006	35.70	35.55	-0.42%
33	Short	08/07/2006	35.55	35.70	-0.42%
34	Long	08/10/2006	35.70	35.50	-0.56%
35	Short	08/11/2006	35.50	35.70	-0.56%
36	Long	08/14/2006	35.70	37.20	+4.20%
37	Short	09/07/2006	37.20	37.80	-1.61%
38	Long	09/12/2006	37.80	39.00	+3.17%
39	Short	10/02/2006	39.00	39.25	-0.64%
40	Long	10/04/2006	39.25	40.85	+4.08%
41	Short	11/01/2006	40.85	41.00	-0.37%
42	Long	11/06/2006	41.00	42.50	+3.66%
43	Short	11/27/2006	42.50	42.65	-0.35%
44	Long	12/04/2006	42.65	42.60	-0.12%
45	Short	12/07/2006	42.60	42.75	-0.35%
46	Long	12/11/2006	42.75	42.55	-0.47%
47	Short	12/12/2006	42.55	42.75	-0.47%
48	Long	12/14/2006	42.75	42.65	-0.23%
49	Short	12/18/2006	42.65	41.80	+1.99%
1	Short	12/29/2006	41.80	42.30	-1.20%
2	Long	01/04/2007	42.30	43.00	+1.65%
3	Short	01/18/2007	43.00	43.00	0.00%
4	Long	01/24/2007	43.00	42.70	-0.70%
5	Short	01/25/2007	42.70	42.80	-0.23%
6	Long	01/31/2007	42.80	42.70	-0.23%
7	Short	02/09/2007	42.70	43.00	-0.70%
8	Long	02/14/2007	43.00	43.10	+0.23%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
9	Short	02/26/2007	43.10	42.10	+2.32%
10	Long	03/19/2007	42.10	42.40	+0.71%
11	Short	03/28/2007	42.40	42.70	-0.71%
12	Long	04/03/2007	42.70	44.90	+5.15%
13	Short	05/10/2007	44.90	45.10	-0.45%
14	Long	05/16/2007	45.10	45.00	-0.22%
15	Short	05/17/2007	45.00	45.30	-0.67%
16	Long	05/18/2007	45.30	45.20	-0.22%
17	Short	05/24/2007	45.20	45.30	-0.22%
18	Long	05/29/2007	45.30	45.50	+0.44%
19	Short	06/08/2007	45.50	45.70	-0.44%
20	Long	06/13/2007	45.70	45.90	+0.44%
21	Short	06/22/2007	45.90	46.10	-0.44%
22	Long	06/27/2007	46.10	48.00	+4.12%
23	Short	07/24/2007	48.00	47.20	+1.67%
24	Long	08/07/2007	47.20	46.80	-0.85%
25	Short	08/08/2007	46.80	46.20	+1.28%
26	Long	08/22/2007	46.20	45.60	-1.30%
27	Short	08/28/2007	45.60	46.50	-1.97%
28	Long	08/29/2007	46.50	46.90	+0.86%
29	Short	09/06/2007	46.90	47.80	-1.92%
30	Long	09/13/2007	47.80	51.20	+7.11%
31	Short	10/19/2007	51.20	52.20	-1.95%
32	Long	10/23/2007	52.20	51.50	-1.34%
33	Short	10/25/2007	51.50	52.50	-1.94%
34	Long	10/26/2007	52.50	52.00	-0.95%
35	Short	11/07/2007	52.00	49.30	+5.19%
36	Long	11/27/2007	49.30	49.10	-0.41%
37	Short	12/04/2007	49.10	50.00	-1.83%
38	Long	12/05/2007	50.00	50.00	0.00%
39	Short	12/11/2007	50.00	49.40	+1.20%
40	Long	12/20/2007	49.40	50.00	+1.21%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
1	Short	12/31/2007	50.00	49.75	+0.50%
2	Short	01/01/2008	49.75	44.50	+10.55%
3	Long	02/01/2008	44.50	43.20	-2.92%
4	Short	02/03/2008	43.20	43.40	-0.46%
5	Long	02/13/2008	43.40	42.60	-1.84%
6	Short	02/15/2008	42.60	43.00	-0.94%
7	Long	02/26/2008	43.00	42.60	-0.93%
8	Short	02/28/2008	42.60	41.90	+1.64%
9	Long	03/13/2008	41.90	41.50	-0.95%
10	Short	03/14/2008	41.50	41.60	-0.24%
11	Long	03/18/2008	41.60	41.40	-0.48%
12	Short	03/19/2008	41.40	41.80	-0.97%
13	Long	03/20/2008	41.80	43.50	+4.07%
14	Short	04/11/2008	43.50	43.70	-0.46%
15	Long	04/16/2008	43.70	47.40	+8.47%
16	Short	05/21/2008	47.40	47.70	-0.63%
17	Long	05/27/2008	47.70	47.60	-0.21%
18	Short	06/03/2008	47.60	48.20	-1.26%
19	Long	06/04/2008	48.20	47.90	-0.62%
20	Short	06/06/2008	47.90	47.60	+0.63%
21	Long	06/16/2008	47.60	47.00	-1.26%
22	Short	06/18/2008	47.00	47.50	-1.06%
23	Long	06/19/2008	47.50	46.70	-1.68%
24	Short	06/20/2008	46.70	44.10	+5.57%
25	Long	07/16/2008	44.10	43.80	-0.68%
26	Short	07/18/2008	43.80	44.30	-1.14%
27	Long	07/23/2008	44.30	43.70	-1.35%
28	Short	07/24/2008	43.70	44.00	-0.69%
29	Long	07/25/2008	44.00	43.70	-0.68%
30	Short	07/28/2008	43.70	44.20	-1.14%
31	Long	07/29/2008	44.20	43.80	-0.90%
32	Short	08/01/2008	43.80	44.30	-1.14%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
33	Long	08/05/2008	44.30	45.90	+3.61%
34	Short	08/19/2008	45.90	46.00	-0.22%
35	Long	08/28/2008	46.00	45.20	-1.74%
36	Short	08/29/2008	45.20	31.00	+31.42%
37	Long	10/28/2008	31.00	31.20	+0.65%
38	Short	11/05/2008	31.20	28.10	+9.94%
39	Long	11/26/2008	28.10	27.60	-1.78%
40	Short	12/01/2008	27.60	28.00	-1.45%
41	Long	12/03/2008	28.00	27.30	-2.50%
42	Short	12/04/2008	27.30	28.00	-2.56%
43	Long	12/05/2008	28.00	28.40	+1.43%
44	Short	12/22/2008	28.40	28.80	-1.41%
45	Long	12/30/2008	28.80	28.97	+0.59%
1	Long	12/31/2008	28.97	29.30	+1.14%
2	Short	01/09/2009	29.30	28.60	+2.39%
3	Long	01/27/2009	28.60	28.50	-0.35%
4	Short	01/30/2009	28.50	28.80	-1.05%
5	Long	02/02/2009	28.80	28.80	0.00%
6	Short	02/17/2009	28.80	27.10	+5.90%
7	Long	03/11/2009	27.10	33.00	+21.77%
8	Short	05/12/2009	33.00	33.20	-0.61%
9	Long	05/18/2009	33.20	33.00	-0.60%
10	Short	05/21/2009	33.00	33.50	-1.52%
11	Long	05/26/2009	33.50	35.20	+5.07%
12	Short	06/15/2009	35.20	35.30	-0.28%
13	Long	06/19/2009	35.30	34.80	-1.42%
14	Short	06/22/2009	34.80	35.20	-1.15%
15	Long	06/25/2009	35.20	35.10	-0.28%
16	Short	07/03/2009	35.10	34.90	+0.57%
17	Long	07/13/2009	34.90	38.40	+10.03%
18	Short	08/11/2009	38.40	38.60	-0.52%
19	Long	08/12/2009	38.60	38.00	-1.55%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
20	Short	08/17/2009	38.00	38.50	-1.32%
21	Long	08/19/2009	38.50	38.80	+0.78%
22	Short	09/01/2009	38.80	39.20	-1.03%
23	Long	09/05/2009	39.20	41.00	+4.59%
24	Short	09/25/2009	41.00	41.00	0.00%
25	Long	10/06/2009	41.00	41.80	+1.95%
26	Short	10/27/2009	41.80	41.30	+1.20%
27	Long	11/05/2009	41.30	42.50	+2.91%
28	Short	11/20/2009	42.50	43.00	-1.18%
29	Long	12/01/2009	43.00	42.80	-0.47%
30	Short	12/08/2009	42.80	43.20	-0.93%
31	Long	12/09/2009	43.20	43.00	-0.46%
32	Short	12/17/2009	43.00	43.50	-1.16%
33	Long	12/18/2009	43.50	44.82	+3.03%
1	Long	12/31/2009	44.82	44.90	+0.18%
2	Short	01/12/2010	44.90	45.40	-1.11%
3	Long	01/19/2010	45.40	45.00	-0.88%
4	Short	01/20/2010	45.00	42.90	+4.67%
5	Long	02/11/2010	42.90	43.30	+0.93%
6	Short	02/23/2010	43.30	44.20	-2.08%
7	Long	03/01/2010	44.20	48.50	+9.73%
8	Short	04/27/2010	48.50	49.00	-1.03%
9	Long	04/29/2010	49.00	48.40	-1.22%
10	Short	04/30/2010	48.40	49.00	-1.24%
11	Long	05/03/2010	49.00	48.40	-1.22%
12	Short	05/04/2010	48.40	47.60	+1.65%
13	Long	05/12/2010	47.60	46.50	-2.31%
14	Short	05/14/2010	46.50	45.30	+2.58%
15	Long	06/02/2010	45.30	44.70	-1.32%
16	Short	06/04/2010	44.70	44.60	+0.22%
17	Long	06/12/2010	44.60	45.20	+1.35%
18	Short	06/23/2010	45.20	43.60	+3.54%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
19	Long	07/07/2010	43.60	43.90	+0.69%
20	Short	07/16/2010	43.90	44.20	-0.68%
21	Long	07/20/2010	44.20	44.00	-0.45%
22	Short	07/21/2010	44.00	44.60	-1.36%
23	Long	07/22/2010	44.60	45.00	+0.90%
24	Short	08/11/2010	45.00	44.00	+2.22%
25	Long	09/02/2010	44.00	47.80	+8.64%
26	Short	10/04/2010	47.80	48.50	-1.46%
27	Long	10/05/2010	48.50	52.00	+7.22%
28	Short	10/12/2010	52.00	51.90	+0.19%
29	Long	10/19/2010	51.90	51.50	-0.77%
30	Short	10/23/2010	51.50	52.20	-1.36%
31	Long	10/24/2010	52.20	51.40	-1.53%
32	Short	10/30/2010	51.40	52.40	-1.95%
33	Long	12/01/2010	52.40	53.63	+2.35%
1	Short	12/31/2010	53.63	54.50	-1.62%
2	Long	01/03/2011	54.50	55.30	+1.47%
3	Short	01/20/2011	55.30	55.50	-0.36%
4	Long	01/25/2011	55.50	55.40	-0.18%
5	Short	01/28/2011	55.40	55.70	-0.54%
6	Long	02/01/2011	55.70	56.90	+2.15%
7	Short	02/22/2011	56.90	56.30	+1.05%
8	Long	02/25/2011	56.30	56.50	+0.36%
9	Short	03/01/2011	56.50	56.80	-0.53%
10	Long	03/04/2011	56.80	56.70	-0.18%
11	Short	03/07/2011	56.70	55.40	+2.29%
12	Long	03/24/2011	55.40	55.90	+0.90%
13	Short	04/11/2011	55.90	56.30	-0.72%
14	Long	04/20/2011	56.30	57.40	+1.95%
15	Short	05/05/2011	57.40	58.10	-1.22%
16	Long	05/10/2011	58.10	57.60	-0.86%
17	Short	05/13/2011	57.60	57.20	+0.69%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
18	Long	05/30/2011	57.20	56.60	-1.05%
19	Short	06/01/2011	56.60	54.50	+3.71%
20	Long	06/21/2011	54.50	54.20	-0.55%
21	Short	06/24/2011	54.20	54.50	-0.55%
22	Long	06/27/2011	54.50	56.60	+3.85%
23	Short	07/14/2011	56.60	57.60	-1.77%
24	Long	07/19/2011	57.60	57.60	0.00%
25	Short	07/27/2011	57.60	52.20	+9.38%
26	Long	08/26/2011	52.20	52.90	+1.34%
27	Short	09/05/2011	52.90	53.50	-1.13%
28	Long	09/07/2011	53.50	53.00	-0.93%
29	Short	09/09/2011	53.00	53.50	-0.94%
30	Long	09/13/2011	53.50	53.50	0.00%
31	Short	09/22/2011	53.50	55.10	-2.99%
32	Long	09/27/2011	55.10	54.00	-2.00%
33	Short	09/28/2011	54.00	53.40	+1.11%
34	Long	10/06/2011	53.40	56.60	+5.99%
35	Short	11/01/2011	56.60	57.00	-0.71%
36	Long	11/03/2011	57.00	56.90	-0.18%
37	Short	11/09/2011	56.90	57.10	-0.35%
38	Long	11/11/2011	57.10	56.90	-0.35%
39	Short	11/14/2011	56.90	57.10	-0.35%
40	Long	11/15/2011	57.10	56.80	-0.53%
41	Short	11/16/2011	56.80	55.30	+2.64%
42	Long	11/30/2011	55.30	55.60	+0.54%
43	Short	12/08/2011	55.60	56.00	-0.72%
44	Long	12/09/2011	56.00	55.50	-0.89%
45	Short	12/13/2011	55.50	55.20	+0.54%
46	Long	12/20/2011	55.20	55.10	-0.18%
47	Short	12/28/2011	55.10	55.30	-0.36%
48	Long	12/29/2011	55.30	55.45	+0.27%
1	Long	12/30/2011	55.45	63.00	+13.62%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
2	Short	03/06/2012	63.00	64.00	-1.59%
3	Long	03/08/2012	64.00	66.80	+4.38%
4	Short	04/05/2012	66.80	66.90	-0.15%
5	Long	04/12/2012	66.90	66.30	-0.90%
6	Short	04/13/2012	66.30	66.50	-0.30%
7	Long	04/17/2012	66.50	66.00	-0.75%
8	Short	04/19/2012	66.00	66.00	0.00%
9	Long	04/25/2012	66.00	65.90	-0.15%
10	Short	05/03/2012	65.90	62.00	+5.92%
11	Long	06/06/2012	62.00	61.50	-0.81%
12	Short	06/11/2012	61.50	62.00	-0.81%
13	Long	06/12/2012	62.00	61.60	-0.65%
14	Short	06/13/2012	61.60	62.10	-0.81%
15	Long	06/14/2012	62.10	62.50	+0.64%
16	Short	06/21/2012	62.50	63.30	-1.28%
17	Long	06/29/2012	63.30	63.10	-0.32%
18	Short	07/10/2012	63.10	63.30	-0.32%
19	Long	07/17/2012	63.30	62.80	-0.79%
20	Short	07/23/2012	62.80	63.90	-1.75%
21	Long	07/27/2012	63.90	67.40	+5.48%
22	Short	08/30/2012	67.40	68.40	-1.48%
23	Long	09/06/2012	68.40	69.10	+1.02%
24	Short	09/25/2012	69.10	69.10	0.00%
25	Long	10/01/2012	69.10	68.60	-0.72%
26	Short	10/08/2012	68.60	67.30	+1.90%
27	Long	10/16/2012	67.30	67.50	+0.30%
28	Short	10/18/2012	67.50	65.80	+2.52%
29	Long	11/06/2012	65.80	65.20	-0.91%
30	Short	11/07/2012	65.20	63.65	+2.38%
31	Long	11/19/2012	63.65	64.90	+1.96%
32	Short	12/21/2012	64.90	65.00	-0.15%
33	Long	12/31/2012	65.00	65.13	+0.20%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
1	Long	12/31/2012	65.13	66.70	+2.41%
2	Short	01/24/2013	66.70	67.00	-0.45%
3	Long	01/25/2013	67.00	67.30	+0.45%
4	Short	02/20/2013	67.30	67.10	+0.30%
5	Long	02/27/2013	67.10	68.20	+1.64%
6	Short	04/03/2013	68.20	68.50	-0.44%
7	Long	04/09/2013	68.50	68.40	-0.15%
8	Short	04/17/2013	68.40	68.70	-0.44%
9	Long	04/22/2013	68.70	72.80	+5.97%
10	Short	06/03/2013	72.80	73.00	-0.27%
11	Long	06/07/2013	73.00	72.40	-0.82%
12	Short	06/11/2013	72.40	72.60	-0.28%
13	Long	06/14/2013	72.60	71.60	-1.38%
14	Short	06/20/2013	71.60	71.80	-0.28%
15	Long	07/01/2013	71.80	75.90	+5.71%
16	Short	08/15/2013	75.90	76.00	-0.13%
17	Long	08/22/2013	76.00	75.90	-0.13%
18	Short	08/27/2013	75.90	75.47	+0.57%
19	Long	09/02/2013	75.47	78.80	+4.41%
20	Short	09/30/2013	78.80	78.00	+1.02%
21	Long	10/10/2013	78.00	82.00	+5.13%
22	Short	11/07/2013	82.00	82.80	-0.98%
23	Long	11/13/2013	82.80	82.90	+0.12%
24	Short	11/19/2013	82.90	83.10	-0.24%
25	Long	11/21/2013	83.10	85.00	+2.29%
26	Short	12/12/2013	85.00	85.00	0.00%
27	Long	12/18/2013	85.00	87.96	+3.48%
1	Long	12/31/2013	87.96	86.75	-1.38%
2	Short	01/03/2014	86.75	87.10	-0.40%
3	Long	01/08/2014	87.10	86.60	-0.57%
4	Short	01/13/2014	86.60	87.10	-0.58%
5	Long	01/14/2014	87.10	87.40	+0.34%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
6	Short	01/24/2014	87.40	86.20	+1.37%
7	Long	02/07/2014	86.20	89.80	+4.18%
8	Short	03/13/2014	89.80	89.80	0.00%
9	Long	03/18/2014	89.80	89.50	-0.33%
10	Short	03/21/2014	89.50	88.50	+1.12%
11	Long	04/02/2014	88.50	88.00	-0.56%
12	Short	04/04/2014	88.00	87.70	+0.34%
13	Long	04/09/2014	87.70	87.30	-0.46%
14	Short	04/10/2014	87.30	87.00	+0.34%
15	Long	04/22/2014	87.00	86.50	-0.57%
16	Short	04/25/2014	86.50	86.80	-0.35%
17	Long	04/29/2014	86.80	87.00	+0.23%
18	Short	05/06/2014	87.00	87.30	-0.34%
19	Long	05/12/2014	87.30	87.60	+0.34%
20	Short	05/15/2014	87.60	87.80	-0.23%
21	Long	05/19/2014	87.80	94.80	+7.97%
22	Short	07/17/2014	94.80	95.20	-0.42%
23	Long	07/18/2014	95.20	96.00	+0.84%
24	Short	07/31/2014	96.00	95.50	+0.52%
25	Long	08/11/2014	95.50	99.00	+3.66%
26	Short	09/15/2014	99.00	99.50	-0.51%
27	Long	09/17/2014	99.50	99.20	-0.30%
28	Short	09/22/2014	99.20	96.50	+2.72%
29	Long	10/21/2014	96.50	104.00	+7.77%
30	Short	12/10/2014	104.00	103.00	+0.96%
31	Long	12/18/2014	103.00	103.60	+0.58%
32	Short	12/31/2014	103.60	103.25	+0.34%
1	Short	12/31/2014	103.25	103.00	+0.24%
2	Long	01/08/2015	103.00	102.40	-0.58%
3	Short	01/12/2015	102.40	101.80	+0.59%
4	Long	01/21/2015	101.80	102.30	+0.49%
5	Short	01/27/2015	102.30	102.30	0.00%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
6	Long	02/03/2015	102.30	107.60	+5.18%
7	Short	03/06/2015	107.60	106.60	+0.93%
8	Long	03/17/2015	106.60	107.20	+0.56%
9	Short	03/25/2015	107.20	106.70	+0.47%
10	Long	03/30/2015	106.70	106.40	-0.28%
11	Short	03/31/2015	106.40	106.20	+0.19%
12	Long	04/08/2015	106.20	106.50	+0.28%
13	Short	04/17/2015	106.50	107.00	-0.47%
14	Long	04/20/2015	107.00	108.40	+1.31%
15	Short	04/30/2015	108.40	108.10	+0.28%
16	Long	05/08/2015	108.10	107.80	-0.28%
17	Short	05/12/2015	107.80	108.60	-0.74%
18	Long	05/14/2015	108.60	109.20	+0.55%
19	Short	05/26/2015	109.20	109.60	-0.37%
20	Long	05/27/2015	109.60	109.50	-0.09%
21	Short	06/05/2015	109.50	109.20	+0.27%
22	Long	06/10/2015	109.20	108.90	-0.27%
23	Short	06/12/2015	108.90	109.30	-0.37%
24	Long	06/19/2015	109.30	109.60	+0.27%
25	Short	06/26/2015	109.60	108.60	+0.91%
26	Long	07/13/2015	108.60	111.10	+2.30%
27	Short	07/24/2015	111.10	111.30	-0.18%
28	Long	07/30/2015	111.30	111.40	+0.09%
29	Short	08/04/2015	111.40	112.00	-0.54%
30	Long	08/05/2015	112.00	111.30	-0.63%
31	Short	08/06/2015	111.30	111.20	+0.09%
32	Long	08/10/2015	111.20	111.00	-0.18%
33	Short	08/11/2015	111.00	111.00	0.00%
34	Long	08/17/2015	111.00	110.20	-0.72%
35	Short	08/19/2015	110.20	104.20	+5.44%
36	Long	09/08/2015	104.20	104.20	0.00%
37	Short	09/22/2015	104.20	103.40	+0.77%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
38	Long	10/02/2015	103.40	112.70	+8.99%
39	Short	11/12/2015	112.70	112.60	+0.09%
40	Long	11/18/2015	112.60	113.60	+0.89%
41	Short	12/03/2015	113.60	114.00	-0.35%
42	Long	12/04/2015	114.00	113.50	-0.44%
43	Short	12/09/2015	113.50	112.80	+0.62%
44	Long	12/16/2015	112.80	112.50	-0.27%
45	Short	12/17/2015	112.50	112.30	+0.18%
46	Long	12/23/2015	112.30	111.86	-0.39%
1	Short	12/31/2015	111.86	103.30	+7.65%
2	Long	01/29/2016	103.30	103.00	-0.29%
3	Short	02/02/2016	103.00	99.70	+3.20%
4	Long	02/16/2016	99.70	108.60	+8.93%
5	Short	04/11/2016	108.60	110.40	-1.66%
6	Long	04/13/2016	110.40	109.50	-0.82%
7	Short	04/22/2016	109.50	106.90	+2.37%
8	Long	05/10/2016	106.90	106.00	-0.84%
9	Short	05/17/2016	106.00	106.50	-0.47%
10	Long	05/20/2016	106.50	109.25	+2.58%
11	Short	06/10/2016	109.25	108.00	+1.14%
12	Long	06/23/2016	108.00	106.30	-1.57%
13	Short	06/24/2016	106.30	106.70	-0.38%
14	Long	06/30/2016	106.70	116.70	+9.37%
15	Short	08/24/2016	116.70	117.00	-0.26%
16	Long	08/29/2016	117.00	116.50	-0.43%
17	Short	08/30/2016	116.50	117.20	-0.60%
18	Long	09/02/2016	117.20	116.00	-1.02%
19	Short	09/09/2016	116.00	116.50	-0.43%
20	Long	09/15/2016	116.50	118.10	+1.37%
21	Short	10/11/2016	118.10	118.00	+0.08%
22	Long	10/18/2016	118.00	118.00	0.00%
23	Short	10/27/2016	118.00	116.70	+1.10%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
24	Long	11/08/2016	116.70	116.10	-0.51%
25	Short	11/10/2016	116.10	116.50	-0.34%
26	Long	11/15/2016	116.50	117.50	+0.86%
27	Short	11/30/2016	117.50	117.60	-0.09%
28	Long	12/07/2016	117.60	119.50	+1.62%
29	Short	12/29/2016	119.50	118.48	+0.85%
1	Short	12/30/2016	118.48	119.80	-1.11%
2	Long	01/04/2017	119.80	130.60	+9.02%
3	Short	03/21/2017	130.60	130.90	-0.23%
4	Long	03/27/2017	130.90	131.60	+0.53%
5	Short	04/11/2017	131.60	131.50	+0.08%
6	Long	04/16/2017	131.50	137.30	+4.41%
7	Short	05/17/2017	137.30	138.20	-0.66%
8	Long	05/22/2017	138.20	140.80	+1.88%
9	Short	06/09/2017	140.80	140.20	+0.43%
10	Long	06/19/2017	140.20	139.80	-0.29%
11	Short	06/27/2017	139.80	140.00	-0.14%
12	Long	06/28/2017	140.00	139.30	-0.50%
13	Short	06/29/2017	139.30	138.30	+0.72%
14	Long	07/10/2017	138.30	143.00	+3.40%
15	Short	08/10/2017	143.00	143.50	-0.35%
16	Long	08/14/2017	143.50	143.00	-0.35%
17	Short	08/17/2017	143.00	142.60	+0.28%
18	Long	08/22/2017	142.60	144.20	+1.12%
19	Short	09/08/2017	144.20	145.35	-0.80%
20	Long	09/11/2017	145.35	144.80	-0.38%
21	Short	09/21/2017	144.80	143.90	+0.62%
22	Long	09/27/2017	143.90	147.70	+2.64%
23	Short	10/23/2017	147.70	149.30	-1.08%
24	Long	10/27/2017	149.30	152.50	+2.14%
25	Short	11/15/2017	152.50	153.50	-0.66%
26	Long	11/16/2017	153.50	154.20	+0.46%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
27	Short	11/29/2017	154.20	154.20	0.00%
28	Long	12/08/2017	154.20	156.20	+1.30%
29	Short	12/29/2017	156.20	155.76	+0.28%
1	Short	12/29/2017	155.76	157.00	-0.80%
2	Long	01/02/2018	157.00	166.50	+6.05%
3	Short	02/02/2018	166.50	162.00	+2.70%
4	Long	02/14/2018	162.00	164.20	+1.36%
5	Short	03/01/2018	164.20	166.30	-1.28%
6	Long	03/05/2018	166.30	168.20	+1.14%
7	Short	03/19/2018	168.20	160.90	+4.34%
8	Long	04/10/2018	160.90	162.60	+1.06%
9	Short	04/20/2018	162.60	161.80	+0.49%
10	Long	04/26/2018	161.80	161.50	-0.19%
11	Short	04/30/2018	161.50	161.90	-0.25%
12	Long	05/01/2018	161.90	173.70	+7.29%
13	Short	06/25/2018	173.70	173.50	+0.12%
14	Long	07/06/2018	173.50	178.30	+2.77%
15	Short	07/27/2018	178.30	178.30	0.00%
16	Long	08/02/2018	178.30	179.70	+0.79%
17	Short	08/15/2018	179.70	180.10	-0.22%
18	Long	08/21/2018	180.10	183.20	+1.72%
19	Short	09/05/2018	183.20	182.60	+0.33%
20	Long	09/11/2018	182.60	182.50	-0.05%
21	Short	09/17/2018	182.50	183.40	-0.49%
22	Long	09/20/2018	183.40	184.00	+0.33%
23	Short	10/04/2018	184.00	171.40	+6.85%
24	Long	11/01/2018	171.40	169.80	-0.93%
25	Short	11/12/2018	169.80	165.90	+2.30%
26	Long	11/28/2018	165.90	165.80	-0.06%
1	Short	12/04/2018	165.80	154.80	+6.63%
2	Short	01/02/2019	154.80	154.80	0.00%
3	Long	01/04/2019	154.80	172.20	+11.24%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
4	Short	03/07/2019	172.20	172.90	-0.41%
5	Long	03/11/2019	172.90	188.00	+8.73%
6	Short	05/02/2019	188.00	188.70	-0.37%
7	Long	05/03/2019	188.70	188.10	-0.32%
8	Short	05/06/2019	188.10	177.80	+5.48%
9	Long	06/06/2019	177.80	192.30	+8.16%
10	Short	07/31/2019	192.30	187.80	+2.34%
11	Long	08/19/2019	187.80	185.90	-1.01%
12	Short	08/23/2019	185.90	187.00	-0.59%
13	Long	08/29/2019	187.00	190.30	+1.76%
14	Short	09/20/2019	190.30	188.30	+1.05%
15	Long	10/10/2019	188.30	202.50	+7.54%
16	Short	12/03/2019	202.50	204.70	-1.09%
1	Long	12/06/2019	204.70	212.61	+3.86%
2	Long	01/01/2020	212.61	218.50	+2.77%
3	Short	01/27/2020	218.50	221.90	-1.56%
4	Long	02/03/2020	221.90	230.70	+3.97%
5	Short	02/21/2020	230.70	186.20	+19.29%
6	Long	03/26/2020	186.20	186.90	+0.38%
7	Short	04/01/2020	186.90	190.40	-1.87%
8	Long	04/06/2020	190.40	218.36	+14.68%
9	Short	05/13/2020	218.36	226.06	-3.53%
10	Long	05/18/2020	226.06	240.20	+6.25%
11	Short	06/11/2020	240.20	243.30	-1.29%
12	Long	06/16/2020	243.30	245.13	+0.75%
13	Short	06/24/2020	245.13	247.20	-0.84%
14	Long	07/01/2020	247.20	286.07	+15.72%
15	Short	09/03/2020	286.07	277.70	+2.93%
16	Long	09/16/2020	277.70	267.93	-3.52%
17	Short	09/17/2020	267.93	277.12	-3.43%
18	Long	09/30/2020	277.12	283.50	+2.30%
19	Short	10/26/2020	283.50	283.25	+0.09%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
1	Long	11/04/2020	283.25	308.70	+8.98%
2	Short	01/04/2021	308.70	308.18	+0.17%
3	Long	01/06/2021	308.18	320.34	+3.95%
4	Short	01/27/2021	320.34	320.19	+0.05%
5	Long	02/02/2021	320.19	316.38	-1.19%
6	Short	02/23/2021	316.38	323.50	-2.25%
7	Long	02/24/2021	323.50	316.04	-2.31%
8	Short	02/25/2021	316.04	320.97	-1.56%
9	Long	03/01/2021	320.97	311.26	-3.03%
10	Short	03/03/2021	311.26	307.07	+1.35%
11	Long	03/09/2021	307.07	313.90	+2.22%
12	Short	03/24/2021	313.90	313.30	+0.19%
13	Long	03/26/2021	313.30	326.59	+4.24%
14	Short	05/11/2021	326.59	326.56	+0.01%
15	Long	05/14/2021	326.56	322.03	-1.39%
16	Short	05/19/2021	322.03	327.31	-1.64%
17	Long	05/20/2021	327.31	344.04	+5.11%
18	Short	06/18/2021	344.04	347.44	-0.99%
19	Long	06/22/2021	347.44	353.10	+1.63%
20	Short	07/19/2021	353.10	359.05	-1.69%
21	Long	07/21/2021	359.05	364.59	+1.54%
22	Short	08/19/2021	364.59	366.80	-0.61%
23	Long	08/20/2021	366.80	379.81	+3.55%
24	Short	09/10/2021	379.81	372.04	+2.05%
25	Long	09/23/2021	372.04	365.07	-1.87%
26	Short	09/28/2021	365.07	363.72	+0.37%
27	Long	10/14/2021	363.72	396.11	+8.91%
28	Short	11/26/2021	396.11	393.55	+0.65%
29	Long	12/07/2021	393.55	386.53	-1.78%
30	Short	12/17/2021	386.53	391.38	-1.25%
1	Long	12/22/2021	391.38	392.73	+0.34%
2	Short	01/05/2022	392.73	363.52	+7.44%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
3	Long	02/01/2022	363.52	355.45	-2.22%
4	Short	02/11/2022	355.45	335.89	+5.50%
5	Long	03/16/2022	335.89	354.23	+5.46%
6	Short	04/06/2022	354.23	299.11	+15.56%
7	Long	05/26/2022	299.11	301.72	+0.87%
8	Short	06/09/2022	301.72	289.61	+4.01%
9	Long	06/24/2022	289.61	274.91	-5.08%
10	Short	06/30/2022	274.91	292.13	-6.26%
11	Long	07/07/2022	292.13	284.94	-2.46%
12	Short	07/12/2022	284.94	291.27	-2.22%
13	Long	07/15/2022	291.27	316.69	+8.73%
14	Short	08/22/2022	316.69	305.87	+3.42%
15	Long	09/09/2022	305.87	297.81	-2.64%
16	Short	09/13/2022	297.81	279.80	+6.05%
17	Long	10/04/2022	279.80	271.24	-3.06%
18	Short	10/07/2022	271.24	270.33	+0.34%
19	Long	10/18/2022	270.33	262.33	-2.96%
20	Short	11/03/2022	262.33	280.10	-6.77%
21	Long	11/10/2022	280.10	283.51	+1.22%
22	Short	12/06/2022	283.51	288.65	-1.81%
23	Long	12/13/2022	288.65	282.23	-2.22%
1	Short	12/15/2022	282.23	267.40	+5.25%
2	Long	01/06/2023	267.40	275.72	+3.11%
3	Short	01/19/2023	275.72	287.01	-4.09%
4	Long	01/23/2023	287.01	300.99	+4.87%
5	Short	02/17/2023	300.99	297.12	+1.29%
6	Long	03/03/2023	297.12	296.41	-0.24%
7	Short	03/08/2023	296.41	309.04	-4.26%
8	Long	03/21/2023	309.04	312.67	+1.17%
9	Short	04/25/2023	312.67	319.64	-2.23%
10	Long	04/27/2023	319.64	318.35	-0.40%
11	Short	05/03/2023	318.35	321.88	-1.11%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
12	Long	05/05/2023	321.88	322.32	+0.14%
13	Short	05/10/2023	322.32	332.10	-3.03%
14	Long	05/18/2023	332.10	331.59	-0.15%
15	Short	05/24/2023	331.59	347.20	-4.71%
16	Long	05/26/2023	347.20	375.74	+8.22%
17	Short	08/02/2023	375.74	368.93	+1.81%
18	Long	08/29/2023	368.93	371.73	+0.76%
19	Short	09/15/2023	371.73	363.94	+2.10%
20	Long	10/09/2023	363.94	364.39	+0.12%
21	Short	10/18/2023	364.39	361.74	+0.73%
1	Long	11/02/2023	361.74	399.10	+10.33%
2	Short	01/03/2024	399.10	403.58	-1.12%
3	Long	01/08/2024	403.58	440.47	+9.14%
4	Short	04/04/2024	440.47	432.07	+1.91%
5	Long	04/29/2024	432.07	429.56	-0.58%
6	Short	05/01/2024	429.56	434.38	-1.12%
7	Long	05/03/2024	434.38	450.92	+3.81%
8	Short	05/30/2024	450.92	461.43	-2.33%
9	Long	06/05/2024	461.43	479.12	+3.83%
10	Short	07/18/2024	479.12	460.71	+3.84%
11	Long	08/13/2024	460.71	463.11	+0.52%
12	Short	09/03/2024	463.11	471.69	-1.85%
13	Long	09/12/2024	471.69	488.85	+3.64%
14	Short	10/23/2024	488.85	504.24	-3.15%
15	Long	11/06/2024	504.24	496.43	-1.55%
16	Short	11/15/2024	496.43	504.03	-1.53%
17	Long	11/21/2024	504.03	528.10	+4.78%
1	Short	12/18/2024	528.10	515.49	+2.39%
2	Long	01/15/2025	515.49	518.69	+0.62%
3	Short	02/03/2025	518.69	527.14	-1.63%
4	Long	02/06/2025	527.14	531.63	+0.85%
5	Short	02/21/2025	531.63	488.92	+8.03%



#	Type	Entry Date	Entry Price	Exit Price	Gain/Loss %
6	Long	03/24/2025	488.92	475.67	-2.71%
7	Short	03/28/2025	475.67	453.65	+4.63%
8	Long	04/23/2025	453.65	555.24	+22.39%
9	Short	08/01/2025	555.24	573.78	-3.34%
10	Long	08/08/2025	573.78	597.84	+4.19%
11	Short	10/10/2025	597.84	611.79	-2.33%
12	Long	10/20/2025	611.79	613.97	+0.36%
13	Short	11/06/2025	613.97	622.83	-1.44%
14	Long	11/10/2025	622.83	610.22	-2.02%
15	Short	11/13/2025	610.22	607.25	+0.49%
16	Long	11/25/2025	607.25	609.52	+0.37%
17	Short	12/16/2025	609.52	618.88	-1.54%
18	Long	12/22/2025	618.88	621.12*	+0.36%

**Note\*:** The exit price for the last (most recent) signal represents the current ETF price at the time this report was generated, not a closed signal price.