# American Association Of Individual Investors 

Portland, Oregon

January 13, 2018

## Terry J. Atzen

- Over 50 years of investment advisory, management and consulting experience
- 30 years on Wall Street
- 19 years as an Independent Advisor
- Author/Creator of "The Investment Compass" "m - E book
- Second Book - "K.I.S.S - Keep Investing Shamelessly Simple" (Available next month in paper-back)
- Owner of an on-line investment coaching service
- Coach/Trainer for Investment Firms and Advisors
- Seeking Alpha - Contributing Author
- Montana's Investment Coach


# "I'm in love with Montana. For other states I have admiration, respect, recognition and even some affection. 

But with Montana it is love."

John Steinbeck

"If you have an apple and I have an apple and we exchange these apples, then you and I will still each have one apple. But if you have an idea and I have an idea and we exchange these ideas, then each of us will have two ideas." George Bernard Shaw

## Investor's Challenges

- News media - Print ,TV, the Internet and Investment Pundits
- Wall Street
- Taxes
- FED
- Timing, Timing, Timing
- It's a Jungle Out There
- What You Don't Know Can Hurt You
- Fear/Greed
- Self Beliefs
-Confusion
-Misleading Info
-Contradictory Info
-Bias
-Sensationalizing


## There is a lot of "Noise"

"The Silver Rally Is Just Getting Started"
"Silver: Don't Buy the Plunge - CBS News"
"U.S. economy growth slowed to 2.6\% pace at end of 2014"
"Eurozone deflation gathers pace"
"Celebrities and Their 'Genius' Business Ventures That Flopped"
"Top Ten Stocks To Buy....Now!"
"Stocks to Sell Now-Kiplinger"
Don't Buy Stocks Now - Money Beat - WSJ
Russia slashes interest rates to avert slump
Middle class families are on financial thin ice
"Now I Get It: Iran Nuclear Showdown"
Revolving Door' Between Fed and Banks Spins Faster
"Asset Bubble Risk If Fed Keeps Rates Too Low"

## What investment challenges?

- News media - Print ,TV, the Internet and Investment Pundits
- Wall Street
- Fees and more Fees
- Taxes
- FED
- Timing, Timing, Timing
- It's a Jungle Out There
- What You Don't Know Can Hurt You
- Self Beliefs


## 1..Conflict Of Interest - Investment Bankers and Brokers <br> 2. Limited Financial Solutions <br> 3. Fees \& Commissions

## Investor's Challenges

- News media - Print ,TV, the Internet and Investment Pundits
- Wall Street
- Taxes
- FED
- Timing, Timing, Timing
- It's a Jungle Out There
- What You Don't Know Can Hurt You
- Fear/Greed
- Self Beliefs

Natural disasters Political unrest International unrest Election results Illnesses or debilitating accidents

## Self Beliefs:

1. I'm not smart enough
2. Making money is evil
3. I'm not worthy
4. I don't have the time
5. It's too complicated
6. It won't work for me

- Simplifying or
- Keep it Simple

Oftentimes means an Improvement

## My Favorite Story about <br> Simplifying:

NASA

## "Keep Investing Shamelessly Simple"

## Simple Step \#1:

What makes (influences, causes) Stocks Go Up and/or Down?

## Buyers and Sellers

The Prevalence of One or The Other

More Buyers - Price goes Higher More Seller - Price goes Lower

## Simple Step \#2:

What is the Best Indicator to Monitor Buyers \& Sellers?
Where can I find the data to track what Buyers and Sellers are doing?

## The Point \& Figure Chart

The Point-and-Figure (PNF) charts are the classic graphic representation of supply and demand.
What are the buyers doing and what are the sellers doing?
Where is there support and where is there resistance?


O2-Feb-2015, 16:00 ET, daily. O: 47.59, H: 50.56, L: $46.67, \mathrm{C}: 49.83, \mathrm{~V}: 486336, \mathrm{Chg}:+1.98$ (4.14\%)
No New P\&F Pattern
Traditional, 3 box reversal chart
Bearish Price Obj. (Rev.): Met (78.0)


## Simple Step \#3:

Choose an Investment Vehicle

# The Simplest Vehicle for me is an ETF 

## ETFs

## Over 4,000 Investment Choices

Indices, Sectors, Various Caps Stocks, Bonds, Commodities, Foreign


## Features of ETFs:

- 1. Liquidity
- 2. Diversification/Asset Allocation
- 3. Low fees
- 4. Income
- 5. Transparency - Portfolio \& Price
- 6. Access to Niche Markets
- 7. Eliminate Management Risk
- 8. Choices for both Up and Down Markets


# Characteristics <br> of An Ideal Investment: 

Liquidity<br>Diversification<br>No Correlation<br>Simplicity - ease of management<br>Low fees<br>Income

Positive return in both Up and Down Markets
And finally, Good Performance

With these virtually matching the characteristics of "the perfect" investment, I have chosen to go with ETFs as my investment vehicle of choice.

# Missing characteristic? 

Performance!

# Simple Step \# 4: 

Build a Portfolio<br>To Include All Characteristics of a<br>Perfect Investment

# Initial Principle Markets: 

US Stocks<br>US Bonds<br>Gold<br>Energy (Crude Oil)

# This became my: 

Investment Compass
And I named it:
"The Investment Compass"

# The New Investment Compass 

1. US Stocks
2. Bonds
3. Gold
4. Crude Oil
5. Foreign Equities
6. US Dollar
7. Global Commodities
8. Real Estate

# Allocation? 

Ray Dalio's Allocation:<br>Stocks - 30\%<br>Long Term Bonds - 40\%<br>Intermediate Bonds - 15\%

Gold - 7.5\%

Commodities - 7.5\%

## The Investment Compass Allocation:

US Stocks - 12.5\%
US Bonds - 12.5\%
Gold - 12.5\%
Crude Oil-12.5\%
Foreign Equities - 12.5\%
US Dollar - 12.5\%
Global Commodities - 12.5\%
Real Estate - 12.5\%

## Comparison

- Dalio's Allocation:
- Stocks - 30\%
- LT Bonds - 40\%
- Intermed. Bonds - 15\%
- Gold - 7.5\%
- Commodities - 7.5\%
- The Investment Compass Allocation:
- US Stocks - 12.5\%
- US Bonds - 12.5\%
- Gold - 12.5\%
- Crude Oil - 12.5\%
- Foreign Eqty - 12.5\%
- US Dollar - 12.5\%
- Commodities - 12.5\%
- Real Estate - 12.5\%


# So, you ask? <br> What about Performance? 

2012-2016<br>+ $21.6 \%$ average annual return

# Simple Step \#5: 

Check to see if there is:

1. An Index
2. An ETF
3. And, An Inverse ETF

## Break!

## My First "Sell" Signal - 2008

SPY SPDR S\&P 500 ETF NYSE
29-Aug-2008, 16:00 ET, daily, O: $106.846, \mathrm{H}: 107.184$, L: $105.841, \mathrm{C}: 106.072, \mathrm{~V}: 229723664$, Chg: -1.153 ( $-1.08 \%$ )
P\&F Pattern Low Pole Reversal on 11-Aug-2008
Scaling: Traditional [Reversal: 3]
(c) StockCharts.co


## Moving forward:

SPY SPDR S\&P 500 ETF NYSE
31 -Dec-2008, 16:00 ET, daily, O: 74.012, H: 75.582, L: 73.838, C: 74.976, V: 233600528, Chg: +1.055 (1.43\%)
No recent chart pattern found
Scaling: Traditional [Reversal: 3]
(c) StockCharts com


## Followed by my first "Buy" Signal in 2009: <br> SPY SPDR S\&P 500 ETF NYSE

29-May-2009, 16:00 ET, daily, O: 76.501, H: 78.408, L: 75.881, C: 77.429, V: 308717280, Chg: +1.348 (1.77\%)
P\&F Pattern Double Top Breakout on 29-May-2009
Scaling: Traditional [Reversal: 3]
(c) StockCharts.com

| 106.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -106.00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 104.00 | 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 104.00 |
| 102.00 | 0 |  | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 102.00 |
| 100.00 | O |  | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 100.00 |
| 99.00 | OX |  | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 99.00 |
| 98.00 | OX | OX | $\times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 98.00 |
| 97.00 | OX | $0 \times$ | > 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 97.00 |
| 96.00 | 0 | OX | x 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 96.00 |
| 95.00 |  | $0 \times$ | >0 | X $A$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 95.00 |
| 94.00 |  | $\bigcirc$ |  | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 94.00 |
| 93.00 |  |  |  | >0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 93.00 |
| 92.00 |  |  | $\bigcirc$ | O |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -92.00 |
| 91.00 |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 91.00 |
| 90.00 |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 90.00 |
| 89.00 |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 89.00 |
| 88.00 |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 88.00 |
| 87.00 |  |  |  |  | $x$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 87.00 |
| 86.00 |  |  |  |  | X | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 86.00 |
| 85.00 |  |  |  |  | X | OX | $\times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 85.00 |
| 84.00 |  |  |  |  | X | OX | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 84.00 |
| 83.00 |  |  |  | $\bigcirc$ |  | $0 \times$ | >0 |  |  |  |  | $x$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 83.00 |
| 82.00 |  |  |  |  |  | $0 \times$ | >0 |  |  |  |  |  | 80 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 82.00 |
| 81.00 |  |  |  |  |  | $0 \times$ | xO |  |  |  |  |  | xO |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 81.00 |
| 80.00 |  |  |  |  |  | $0 \times$ | $\times$ | X | OX | xo | $x$ |  | x 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 80.00 |
| 79.00 |  |  |  |  |  |  | $\times$ | X | OX | $\times$ | $\times$ | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 79.00 |
| 78.00 |  |  |  |  |  |  | XO | X | 0 |  | $\times$ | OX | XO |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $x$ | $x$ |  | 78.00 |
| 77.00 |  |  |  |  |  |  | xo |  |  |  | $\times$ | 0 | O | O |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $x 0 \times$ |  |  | - 8177.42 |
| 76.00 |  |  |  |  |  |  | XO |  |  | $\bigcirc$ | X |  | O | >0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0 \times$ | \% $0 \times$ |  | - 76.00 |
| 75.00 |  |  |  |  |  |  | xO |  |  | O | X |  | 0 | O |  |  |  |  | OX | OX | > |  |  |  |  |  |  |  | $50 \times$ | OX |  | 75.00 |
| 74.00 |  |  |  |  |  |  | XO |  |  | $\bigcirc$ | x |  |  |  | $\times$ | OX |  |  | OX | OX | X 0 |  |  |  |  |  |  |  | $\times 0$ | $\bigcirc$ |  | 74.00 |
| 73.00 |  |  |  |  |  |  | >0 |  |  | $\bigcirc$ | $x$ |  |  |  | $\times$ | OX | c | X | OX | OX | > 0 |  |  |  |  |  |  | $x$ x | X |  |  | - 73.00 |
| 72.00 |  |  |  |  |  |  | x 0 |  |  | $\bigcirc$ | X |  |  |  | $\times$ | $0 \times$ | OX | X | OX | $\bigcirc$ |  |  |  |  |  |  |  | $x$ OX |  |  |  | - 72.00 |
| 71.00 |  |  |  |  |  | OX |  |  |  | $\bigcirc$ | x |  |  |  | $\times$ | $0 \times$ | OX | OX | 0 |  |  |  | $\times$ | X | O |  |  | XOX |  |  |  | 71.00 |
| 70.00 |  |  |  |  |  | OX |  |  |  | $\bigcirc$ | X |  |  |  | $\times$ | OX | OX | OX |  |  | O | $\times$ | $\times$ | O | O |  |  | $\times 0$ |  |  |  | - 70.00 |
| 69.00 |  |  |  |  |  | $\bigcirc$ |  |  |  | $\bigcirc$ |  |  |  |  | $\times$ | $0 \times$ | OX | OX |  |  | $\bigcirc$ | $\times$ | $\times$ | O | $\bigcirc$ |  | $x$ x | $x$ |  |  |  | 69.00 |
| 68.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ | O | $0 \times$ | 0 | $\bigcirc$ |  |  | $\bigcirc$ | $\bigcirc$ | $\times 2$ |  | $\bigcirc$ |  | $\times \mathrm{OX}$ | X |  |  |  | 68.00 |
| 67.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  |  | $\bigcirc$ |  |  | $\bigcirc$ |  | $\times 0$ | 4 |  |  |  | 67.00 |
| 66.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  |  |  |  |  | $0 \times$ | X | XO |  |  |  |  | 66.00 |
| 65.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  |  |  |  |  | $0 \times$ | OX |  |  |  |  |  | 65.00 |
| 64.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  |  |  |  |  | $0 \times$ | OX |  |  |  |  |  | 64.00 |
| 63.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  |  |  |  |  | $0 \times$ | OX |  |  |  |  |  | 63.00 |
| 62.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ | OX |  |  |  |  |  | 62.00 |
| 61.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $3 \times$ | X |  |  |  |  | 61.00 |
| 60.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  |  | 60.00 |
| 59.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  |  | 59.00 |
| 58.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  |  | 58.00 |
| 57.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX | x |  |  |  |  | 57.00 |
| 56.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  | 56.00 |
| 55.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 55.00 |

SPY SPDR S\&P 500 ETF NYSE
29-May-2009, 16:00 ET, daily, O: 76.892, H: 78.809, L: 76.269, C: 77.825, V: 307146944 , Chg: +1.354 (1.77\%)
No recent chart pattern found

# Scaling: Traditional [Reversal: 3] 

(c) StockCharts.com


# SPY SPDR S\&P 500 ETF NYSE 

31-Jul-2009, 16:00 ET, daily, O: 83.017, H: 83.707, L: 82.79, C: 83.152, V: 246362208, Chg: +0.118 (0.14\%)
P\&F Pattern Double Top Breakout on 16-Jul-2009
Scaling: Traditional [Reversal: 3]
(c) StockCharts.com


# Example of a Buy Signal (Adding the Inverse ETF) 

1. Index-Buy Signal
2. ETF - Buy Signal
3. Inverse ETF - Sell Signal
\$WTIC Light Crude Oil - Continuous Contract (EOD) CME
09-Jan-2018, 16:00 ET, daily, O: 61.92, H: 63.48 , L: $61.80, \mathrm{C}: 62.96, \mathrm{~V}: 826252$, Chg: +1.23 (1.99\%)
P8F Pattern Ascending Triple Top Breakout on 26-Dec-2017
Scaling: Traditional [Reversal: 3]
(c) StockCharts.com


UCO ProShares Ultra Bloomberg Crude Oil NYSE
09-dan-2018, 16:00 ET, daily, 0: 24.97, H: 25.81, L: 24.77, C: 25.54, V: 4004767, Chg: +0.76 (3.07\%)
P\&F Pattern Ascending Triple Top Breakout on 27-Oct-2017
Scaling: Traditional [Reversal: 3]
(c) StockCharts.com

| 29.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 29.00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28.00 |  |  |  |  |  |  |  |  |  |  |  |  | $X$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 28.00 |
| 27.00 |  |  |  |  |  |  |  |  |  |  |  |  | 60 | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 27.00 |
| 26.00 |  |  |  |  |  |  |  |  |  |  |  |  | XO | 0 N | N | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 26.00 |
| 25.00 |  |  |  |  |  |  |  |  |  |  |  |  | $X 0$ | $0 X$ | $0 \lambda$ |  | 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  | 1125.54 |
| 24.00 |  |  |  |  |  |  |  |  |  |  |  | K | XO |  | 07 |  | 0 |  |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  | 1 |  | 24.00 |
| 23.00 |  |  |  |  |  |  |  |  |  |  |  | X | $5 \times 0$ | 0 | 07 |  | 0 |  |  |  |  | X |  |  |  | X | 1 |  |  |  |  |  |  | $C$ |  | 23.00 |
| 22.00 |  |  |  |  |  |  |  |  | X |  |  |  | $0 \times$ |  | 0 |  | $\bigcirc X$ |  |  |  |  | $A O$ | 0 |  |  | $C$ | 0 |  |  |  |  |  | X |  |  | 22.00 |
| 21.00 |  |  |  |  |  |  |  |  |  | 0 X |  | XO | 0 |  |  |  | $0 \times 0$ | 0 X |  |  |  | XO | 0 |  |  | X | $0>$ | X |  |  |  |  | X | X |  | 21.00 |
| 20.00 |  |  |  |  |  |  | $X$ |  |  | $0 \times$ | $\bigcirc$ | X |  |  |  |  | $0 \times 0$ | $0 \times$ | 10 |  |  | XO | 0 |  | $X$ | $X$ | 37 | XO | 0 |  |  |  |  | $B$ |  | 20.00 |
| 19.50 | X |  |  |  |  | X | X | 0 | XO | $0 X$ | 0 | K |  |  |  |  | $\bigcirc \mathrm{XO}$ | 0 X | 10 | X |  | XO | 0 |  | XO | 0 X | 0 | 40 | 0 |  |  |  |  | X |  | 19.50 |
| 19.00 | $X$ |  |  |  |  | XO | $0 X$ | 0 | XO | $0 \times$ | $\bigcirc$ | X |  |  |  |  | $0 \times 0$ | $0 \times$ | 10 | X | $0 \lambda$ | X $B$ | $B$ |  | XO | 0 X | $O \lambda$ | X 0 | OX |  |  |  |  | $X$ |  | 19.00 |
| 18.50 |  | 0 X |  |  |  | KO | $\bigcirc X$ | 0 | XO | OX | $\bigcirc$ | K |  |  |  |  | $\bigcirc X$ | 9 X | 10 | X | OX | XO | $0 X$ |  | XO | $\bigcirc X$ | O | XO | $O X O$ |  |  | $X$ | $X$ | X |  | 18.50 |
| 18.00 |  | OX | 0 |  |  | YO | $\bigcirc$ | 0 |  | $0 X$ | $\bigcirc$ |  |  |  |  |  | $\bigcirc \mathrm{XO}$ | 0 X | 10 | X | 0 |  | 0 X | 0 | XO | $O X$ | O | X 0 | $0 \times 0$ | 0 |  | $X$ | $A X$ |  |  | 18.00 |
| 17.50 | X | $2 X$ | 0 |  |  | X |  |  |  | $4 X$ |  |  |  |  |  |  | $0 X 0$ | 0 | 0 | X |  |  | $0 X$ | $O X$ | XO | 0 | O | XO | $0 \times 0$ |  |  | $X$ | $O X$ |  |  | 17.50 |
| 17.00 | 0 O | $0 X$ | 0 |  |  | X |  |  |  | $0 X$ |  |  |  |  |  |  | $\bigcirc X$ |  | 0 |  |  |  | $\bigcirc$ | $0 \lambda$ | X |  | $0>$ | XO | $0 \times 0$ | 0 | $X$ | X | 0 X |  |  | 17.00 |
| 16.50 | $0 X$ | $0 X$ | 0 |  |  | 3 |  |  |  | 0 X |  |  |  |  |  |  | $0 X$ |  |  |  |  |  |  | 0 | X |  | 0 |  | $5 \times 0$ |  | $X$ | 8 X | 0 |  |  | 16.50 |
| 16.00 | $0 X$ | $0 X$ | 0 |  |  | X |  |  |  | 0 X |  |  |  |  |  |  | 8 X |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  | $0 \times 6$ | 6 | X | 0 X |  |  |  | 16.00 |
| 15.50 | 0 O | $0 \times$ | $O X$ | X | X X | X |  |  |  | 0 |  |  |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  | OXO | 0 | $X$ | OX |  |  |  | 15.50 |
| 15.00 | 0 | 0 | $\bigcirc \mathrm{X}$ | OX | XOX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 00 | 07 | $7 \times$ | $\bigcirc 9$ |  |  |  | 15.00 |
| 14.50 |  |  | $\bigcirc \mathrm{X}$ | $0 \lambda$ | K 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 X | $0 \times$ | 0 |  |  |  | 14.50 |
| 14.00 |  |  | 0 X | 0 | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 X | 0 X |  |  |  |  | 14.00 |
| 13.50 |  |  | $\bigcirc X$ |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 X | 0 |  |  |  |  | 13.50 |
| 13.00 |  |  | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 X |  |  |  |  |  | 13.00 |
| 12.50 |  |  | $\bigcirc X$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  | 12.50 |
| 12.00 |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  | 12.00 |
| 11.50 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 11.50 |
| $17 \quad 18$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

SCO ProShares UltraShort Bloomberg Crude Oil NYSE
10-Jan-2018, 9:31 ET, daily, O: 22.04, H: 22.17, L: 22.04, C: 22.17, V: 10310, Chg: -0.27 (-1.20\%)
P\&F Pattern Descending Triple Bottom Breakdown on 27-Oct-2017
Scaling: Traditional [Reversal: 3]

| 62.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 62.00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 61.00 |  |  |  |  |  |  |  |  |  |  |  | $X$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -61.00 |
| 60.00 |  |  |  |  |  |  |  |  |  |  |  | $X 0$ | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -60.00 |
| 59.00 |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 59.00 |
| 58.00 |  |  |  |  |  |  |  |  |  |  |  | 80 | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | I58.00 |
| 57.00 |  |  |  |  |  |  |  |  |  |  |  | $X 0$ | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | I 57.00 |
| 56.00 |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ | O |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 56.00 |
| 55.00 |  |  |  |  |  |  |  |  |  |  |  | $\times$ | O |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 55.00 |
| 54.00 |  |  |  |  |  |  |  |  |  |  |  | $\times$ | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -54.00 |
| 53.00 | X |  |  |  |  |  |  |  |  |  |  | $X$ | OX | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -53.00 |
| 52.00 |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  | $X$ | OX | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -52.00 |
| 51.00 | XO | OX |  | X |  |  |  |  |  |  |  | $X$ | OX | 0 |  |  | $x$ | $x$ |  |  |  |  |  | X | $x$ |  |  |  |  |  |  |  |  |  | O |  |  |  |  |  |  |  |  | I 51.00 |
| 50.00 |  | OX | $\times$ | OX |  | $\bigcirc$ |  |  |  |  |  | X 0 | O | 0 |  |  | $\times 0$ | $\times$ | 0 |  |  |  |  |  | $\times 0$ |  |  |  |  |  |  |  |  | $X$ | $\bigcirc$ |  |  |  |  |  |  |  |  | I 50.00 |
| 49.00 |  | OX | $\times$ | $\bigcirc \times$ |  | $\bigcirc$ |  |  |  |  |  | $X$ |  | $\bigcirc$ |  |  | $\times 0$ | $\times$ | $\bigcirc$ |  |  |  |  |  | $\times 0$ |  |  |  |  |  |  |  |  | $X$ | $\bigcirc$ |  |  |  |  |  |  |  |  | -49.00 |
| 48.00 |  | OX | $\times$ | OX |  | $\bigcirc$ |  |  |  |  |  | $X$ |  | $\bigcirc$ |  |  | 90 | $\times$ | OX | X | $x$ |  | $X$ |  | $\times 0$ |  |  |  |  |  |  |  |  | $X$ | O |  |  |  |  |  |  |  |  | I 48.00 |
| 47.00 |  |  | $\times 0$ | O |  | $\bigcirc$ |  |  |  | $X$ |  | X |  | $\bigcirc$ |  |  | $\times 0$ | $\times$ | OX | $\times 0$ | OX | O | $\times$ | OX | $\times 0$ | 0 |  |  |  |  |  |  |  | $X$ | OX |  |  |  |  |  |  |  |  | I 47.00 |
| 46.00 |  | O 5 | 5 |  |  | 0 |  |  |  | X 0 | OX | X |  | 0 |  |  | $\times 0$ | $X$ | OX | $\times 0$ | OX | OX | $\times$ | OX | XO | O |  |  |  |  |  |  |  | $X$ | OX | $\times 0$ | $\bigcirc$ |  |  |  |  |  |  | I 46.00 |
| 45.00 |  | 0 |  |  |  | OX |  | $x$ |  | $\times$ | OX |  |  | 0 |  |  | $\times 0$ | $\times$ | OX | $\times 0$ | O | O | $\times$ | OX | $\times 0$ | OX |  |  |  |  |  |  |  | X | OX | $\times$ | $\bigcirc$ |  |  |  |  |  |  | 45.00 |
| 44.00 |  |  |  |  |  | $\bigcirc \times$ | $\bigcirc$ | X |  | $\times 0$ | OX |  |  | O |  |  | $\times 0$ | $\times$ | $\bigcirc$ |  |  | $\bigcirc$ | $\times$ | $\bigcirc$ |  | OX | $\bigcirc$ |  |  |  |  |  | $\times 0$ | $O \times$ | OX | $\times$ | OX |  |  |  |  |  |  | -44.00 |
| 43.00 |  |  |  |  |  | $\bigcirc \times$ | 0 | $X$ |  | $\times 0$ | $\bigcirc$ |  |  | OX | X | OX | XO | $X$ |  |  |  | $\bigcirc$ | 8 |  |  | OX | $\bigcirc$ |  |  |  |  | X | $X 0$ | OX | $7 \times$ | $\times$ | OX | $\bigcirc$ |  |  |  |  |  | I 43.00 |
| 42.00 |  |  |  |  |  | $\bigcirc \times$ | $\bigcirc$ | X | OX |  |  |  |  | OX | $\times$ | $\bigcirc \times$ | XO |  |  |  |  | OX |  |  |  | $\bigcirc \times$ | O |  |  |  | $x$ | $\times$ | $\times 0$ | $0 \times$ | $\bigcirc$ |  | $\bigcirc \times$ | X 0 | X |  |  |  |  | -42.00 |
| 41.00 |  |  |  |  |  |  | $\bigcirc$ | X |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  | OX |  |  |  |  | $\bigcirc$ |  |  |  | $X$ | O | 50 | O 6 |  |  |  | $\bigcirc$ |  | 9 |  |  |  | I 41.00 |
| 40.00 |  |  |  |  |  |  | O | $X$ | 07 | 7 |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  | OX |  |  | 0 | $\bigcirc$ | 0 |  |  |  | $X$ | O | $\times$ | OX |  |  |  |  |  | $\bigcirc$ |  |  |  | I 40.00 |
| 39.00 |  |  |  |  |  | $6 \times$ | 0 |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  | $A$ |  |  |  |  | 0 |  |  |  | $X$ | OX | $\times$ | OX |  |  |  | 10 | $\times$ | $\bigcirc$ |  |  |  | 39.00 |
| 38.00 |  |  |  |  |  | $\bigcirc \times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  | $\bigcirc$ |  |  |  | $X$ | O | $\times 0$ | $O X$ |  |  |  | $\bigcirc$ | $\times$ | $\bigcirc$ |  |  |  | -38.00 |
| 37.00 |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  | 0 |  |  |  | $X$ | O | $\times 0$ | OX |  |  |  | $\bigcirc$ | 8 | 0 |  |  |  | I 37.00 |
| 36.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  | 0 |  |  |  | $X$ | 4X | X 0 | $\bigcirc$ |  |  |  | $\bigcirc$ |  | O | X |  |  | - 36.00 |
| 35.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  | $c$ |  | $x$ |  | X | OX |  |  |  |  |  |  |  | O | $\times 0$ | O |  | -35.00 |
| 34.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  | $X$ | 0 | X | OX | X |  |  |  |  |  |  | 0 |  |  |  | I 34.00 |
| 33.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX | X 1 | $1 \times$ | $\bigcirc$ | 3 | O |  |  |  |  |  |  |  | 0 | 0 |  |  | -33.00 |
| 32.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX | $\times$ | $\bigcirc \times$ | 0 |  | , |  |  |  |  |  |  |  |  | 0 | 0 |  | -32.00 |
| 31.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ | 0 | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  | -31.00 |
| 30.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $B$ |  |  | - 30.00 |
| 29.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  | 29.00 |
| 28.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 | 0 |  | -28.00 |
| 27.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  | 27.00 |
| 26.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  | -26.00 |
| 25.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | c |  | 25.00 |
| 24.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 |  | 24.00 |
| 23.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  | 23.00 |
| 22.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8822.17 |

# Example of Sell Signal 

Index - Sell Signal<br>ETF - Sell Signal<br>Inverse ETF - Buy Signal

\$WTIC Light Crude Oil - Continuous Contract (EOD) CME
28-Nov-2014, 16:00 ET, daily, O: 73.50, H: 73.56, L: 65.69, C: 65.99, V: 527868, Chg: -7.48 (-10.18\%)
P\&F Pattern Descending Triple Bottom Breakdown on 28-Nov-2014
Scaling: Traditional [Reversal: 3]

| 114.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 114.00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 112.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 112.00 |
| 110.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 89 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 110.00 |
| 108.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 108.00 |
| 106.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 106.00 |
| 104.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ |  | 3 |  |  |  |  |  |  |  |  |  |  |  |  | 104.00 |
| 102.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | XO | $\times$ | $\times \mathrm{O}$ | $\times 5$ | $5 \times 0$ |  |  |  |  |  |  |  |  |  |  | 102.00 |
| 100.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $X A X$ | $\times$ x | $\times \mathrm{O}$ | $\times 0$ | XO |  |  |  |  |  |  |  |  |  |  | 100.00 |
| 99.00 | O |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $X$ | XOX | $\times 12$ | 20 | $\times 0$ | 0 |  |  |  |  |  |  |  |  |  |  | 99.00 |
| 98.00 |  |  |  |  |  |  |  |  |  | $X$ | X |  |  |  |  |  | $\times 0$ | O $70 \times$ | YOX | ¢O |  | 0 |  |  |  |  |  |  |  |  |  |  | 98.00 |
| 97.00 | - |  |  |  |  |  |  |  |  | $\times 2$ | $\times 0$ | OX |  | $x$ | $x$ x | $X$ | $\times 0$ | XOX | XOX |  |  | 8 |  |  |  |  |  |  |  |  |  |  | 97.00 |
| 96.00 | - |  |  |  |  |  |  |  |  | $\times 0$ | $\times$ | OX | 4 | X | OOX | $\times$ | OXO | XOX | XOX |  |  | 10 |  |  |  |  |  |  |  |  |  |  | 96.00 |
| 95.00 |  |  |  |  |  |  |  |  |  | $\times 0$ |  | OX | 0 | X | 10X | $\times$ | OXO | X $8 \times$ | XOX |  |  | $\bigcirc$ | $\times 9$ | $9 \times$ |  |  |  |  |  |  |  |  | 95.00 |
| 94.00 | $\bigcirc$ |  |  |  |  |  |  |  |  | $X$ |  | OX | OX | $\chi$ X | 10X | X 0 | $0 \times 0$ | XOX | x $0 \times$ |  |  | $\bigcirc$ | $\times 0$ | OX | O |  |  |  |  |  |  |  | -94.00 |
| 93.00 |  | A |  |  |  |  |  |  |  | $X$ |  | OX | OX | ) 5 X | 10 | $\bigcirc$ | 060 | O C | COX | x |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc X$ | O | $\times 0$ |  |  |  |  |  |  | -93.00 |
| 92.00 |  | O 0 | OX | OX |  |  |  |  |  | 1 |  | OX | OX | OOX |  |  | 0 | 0 | 0 |  |  |  |  | $\bigcirc X$ | O | $\times 0$ |  |  |  |  |  |  | -92.00 |
| 91.00 |  | OX | OX | OX | O |  |  |  |  | $X$ |  | $3 \times$ | OX | ¢ 0 |  |  |  |  | 1 |  |  |  |  |  | $\bigcirc$ | 0 |  |  |  |  |  |  | -91.00 |
| 90.00 |  | O | OX | 0 | $\bigcirc$ |  |  |  | $\chi$ x | $X$ |  | 0 | $10 \times$ |  |  |  |  |  |  |  |  |  |  |  |  | A |  |  |  |  |  |  | -90.00 |
| 89.00 | $\bigcirc$ | $\bigcirc$ | OX |  |  | X | $X$ | X | OOX |  |  |  | OX |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  | - 89.00 |
| 88.00 |  |  |  |  |  | $X \bigcirc$ | OX | $0 \times$ | OOX |  |  |  | OX |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  | I88.00 |
| 87.00 |  |  |  |  |  | X 0 | OX | 0 C | cox | X |  |  | OX | x |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  | 87.00 |
| 86.00 |  |  |  |  | 0 | 80 | OX | 0 | 0 |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  | -86.00 |
| 85.00 |  |  |  |  | 0 | 0 | $\bigcirc$ | , | , |  |  |  | / |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  | 85.00 |
| 84.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  |  | 84.00 |
| 83.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc \times$ | O |  |  |  |  | 83.00 |
| 82.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  | 82.00 |
| 81.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | O | O |  |  |  |  | 81.00 |
| 80.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ | 0 |  |  |  |  | 80.00 |
| 79.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $B X$ |  |  |  |  | 79.00 |
| 78.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  | 78.00 |
| 77.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $0 \times$ | 0 |  |  |  | 77.00 |
| 76.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  | $\times 0$ |  |  | -76.00 |
| 75.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | XO |  |  | I 75.00 |
| 74.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  | 0 |  | 74.00 |
| 73.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  | I 73.00 |
| 72.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  | - 72.00 |
| 71.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  | - 71.00 |
| 70.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  | -70.00 |
| 69.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  | -69.00 |
| 68.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  | 68.00 |
| 67.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  | 67.00 |
| 66.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  | 66.00 |
| 65.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <865.99 |

UCO ProShares Ultra Bloomberg Crude Oil NYSE
03-Nov-2014, 16:00 ET, daily, O: 238.70, H: 241.90 , L: 226.50, C: 227.80, V: 336783, Chg: -12.60 ( $-5.24 \%$ )
P\&F Pattern Descending Triple Bottom Breakdown on 03-Nov-2014
Scaling: Traditional [Reversal: 3]
(c) StockCharts.com

| 404.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -404.00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 400.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 400.00 |
| 396.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 396.00 |
| 392.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 392.00 |
| 388.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | I 388.00 |
| 384.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 7$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 384.00 |
| 380.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 380.00 |
| 376.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $x$ | $\times 0$ | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -376.00 |
| 372.00 | $\times$ | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ | - 0 | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 372.00 |
| 368.00 |  | O |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times$ |  | $\times 0$ | - 0 | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 368.00 |
| 364.00 |  | O |  |  |  |  |  |  |  |  |  |  |  |  |  | $x$ |  |  |  | $\times$ | $\bigcirc$ | $\times 0$ | ¢ 0 | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -364.00 |
| 360.00 |  | OX |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ | $\bigcirc$ |  |  | $\times$ | OX | $\times 6$ | 6 O | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 360.00 |
| 356.00 |  | OX | OX |  |  |  |  |  |  |  |  |  |  |  |  | $\times$ | 0 |  |  |  | OX | X |  | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -356.00 |
| 352.00 |  | OX | OX |  | OX |  |  |  |  |  |  |  |  | $\times$ | $\times$ x | $\times$ | OX |  |  |  |  |  |  | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 352.00 |
| 348.00 |  | OX | OX |  | OX | O |  |  |  |  |  |  |  | $\times$ | $\bigcirc$ | $\times$ | OX | O | $x$ | $\times$ | OX | X | $\bigcirc$ | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 348.00 |
| 344.00 |  | OA |  |  | OX | $\times$ |  |  |  |  |  |  |  | $\times$ | $\times$ | 3 | OX | $\bigcirc$ | $\times$ | $4 \times$ | OX | X |  | O |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 344.00 |
| 340.00 |  | 0 |  | $\bigcirc$ | - | 0 |  |  |  |  |  |  |  |  | $\times$ |  | OX | O | $\times$ | OX | OX | X |  | 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | I 340.00 |
| 336.00 |  |  |  |  |  | O |  |  |  |  |  |  |  | X |  |  | $\bigcirc$ | $\bigcirc$ | $\times$ | OX | 5 |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -336.00 |
| 332.00 |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  | $x$ |  |  |  | $\bigcirc$ | $\times 0$ | OX |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 332.00 |
| 328.00 |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  | X |  |  |  | $\bigcirc$ | $\times$ | 0 |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -328.00 |
| 324.00 |  |  |  |  |  | OX |  |  |  |  |  |  |  | x |  |  |  | $\bigcirc$ | X |  |  |  |  |  | X | 9 | $X$ |  |  | $\times$ |  |  |  |  |  |  |  |  |  |  | - 324.00 |
| 320.00 |  |  |  |  |  | O | $\times$ | O |  |  |  | $\times$ |  | 2 |  |  |  | $\bigcirc$ |  |  |  |  |  |  | X | 0 | $\times 0$ | OX |  |  | $\times$ |  |  |  |  |  |  |  |  |  | - 320.00 |
| 316.00 |  |  |  |  |  | $0 \times$ | $\times 0$ | $\bigcirc$ |  |  | $\times$ | $\times 1$ |  | $x$ |  |  |  |  |  |  |  |  |  |  | X | 0 | $\times$ | OX |  |  | $\times$ |  |  |  |  |  |  |  |  |  | -316.00 |
| 312.00 |  |  |  |  |  | 0 |  | $\bigcirc$ |  |  |  | $\times$ |  | $x$ |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  | $\bigcirc$ | $\times$ | OX | O | $\times$ | $\times$ | X |  |  |  |  |  |  |  |  | 312.00 |
| 308.00 |  |  |  |  |  |  |  | 8 |  |  | $\times$ | $\times$ | X | OX |  |  |  |  |  |  |  |  |  |  |  | 0 | O | OX | $\bigcirc$ | $\times$ | 10 | X | O |  |  |  |  |  |  |  | 308.00 |
| 304.00 |  |  |  |  |  |  |  | OX |  | x | $\times$ | $\times$ | X | OX |  |  |  |  |  |  |  |  |  |  |  |  |  | OX | - |  | $\times$ | $A$ | $\bigcirc$ |  |  |  |  |  |  |  | I 304.00 |
| 300.00 |  |  |  |  |  |  |  | OX | O | $\times$ | OX | $\times$ | X | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  | $\bigcirc$ |  | $\bigcirc$ |  |  |  |  |  |  |  | - 300.00 |
| 296.00 |  |  |  |  |  |  |  | $0 \times$ | $\bigcirc$ | $\times$ | $0 \times$ | $\times$ | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  | - 296.00 |
| 292.00 |  |  |  |  |  |  |  | $\bigcirc$ | $\bigcirc$ |  | OX | $\bigcirc$ | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  | - 292.00 |
| 288.00 |  |  |  |  |  |  |  |  |  |  | Oc | CO | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  | -288.00 |
| 284.00 |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  | -284.00 |
| 280.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  | - 280.00 |
| 276.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  | -276.00 |
| 272.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | O |  |  |  |  |  |  |  | - 272.00 |
| 268.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  | - 268.00 |
| 264.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  | -264.00 |
| 260.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  | - 260.00 |
| 256.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  | -256.00 |
| 252.00 248.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  | 252.00 <br> 248.00 |
| 248.00 244.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX | x | X | O | X |  |  |  | $\begin{array}{r}248.00 \\ \hline 244.00\end{array}$ |
| 240.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX | $\times$ |  | $\bigcirc$ | $\times$ | O |  |  | - 240.00 |
| 236.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX | $\times$ |  | $\bigcirc$ |  | $\bigcirc$ |  |  | I236.00 |
| 232.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  | B |  |  | 232.00 |
| 228.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  | 228.00 |
| 224.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Trr227.80 |

14

SCO ProShares UltraShort Bloomberg Crude Oil NYSE
28-Nov-2014, 16:00 ET, daily, O: 24.815, H: 26.21, L: 24.695, C: 26.04, V: 2814508 , Chg: +3.73 (16.72\%)
P\&F Pattern Triple Top Breakout on 03-Nov-2014
Scaling: Traditional [Reversal: 3]
(c) StockCharts.com

| 36.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 36.00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 35.00 |  |  |  |  |  |  |  |  |  | $x$ |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 35.00 |
| 34.00 | - |  |  |  |  |  |  |  |  | X O |  |  |  | ¢ 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 34.00 |
| 33.00 |  |  |  |  |  |  |  |  |  | $X O$ |  | $X$ |  | 40 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 33.00 |
| 32.00 |  |  |  |  |  |  |  |  |  | XOX | $X$ | $X$ | OX | X 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 32.00 |
| 31.00 |  |  |  |  |  |  |  |  |  | XOX | XO | $X$ | OX | X 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 31.00 |
| 30.00 |  |  |  |  |  |  |  |  |  | XOX | XO | X | OX | XO |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [30.00 |
| 29.00 |  |  |  |  |  |  |  |  |  | XOX | XO | X | $\bigcirc$ | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 29.00 |
| 28.00 | - 0 |  |  |  |  |  |  |  |  | XOX | XO | X |  | 0 |  |  |  |  |  | XO |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 28.00 |
| 27.00 | O |  |  |  |  |  |  | $X$ |  | XO | $\bigcirc$ | X | O | 0 |  |  |  |  |  | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 27.00 |
| 26.00 | O |  |  |  |  |  |  | X | OX |  | 9 |  |  | 0 |  |  |  |  |  | 60 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  | 1826.04 |
| 25.00 | $\bigcirc$ |  |  |  |  |  |  | X | OX |  |  |  |  | 0 |  |  |  |  |  | XO |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  | 25.00 |
| 24.00 | OX |  |  |  | $X$ | $X$ | $x$ | $X$ | OX |  |  |  |  | 0 |  |  |  |  |  | X 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  | 24.00 |
| 23.00 | OX | XO |  |  | $X$ | OX | X 0 | X | 78 | 8 |  |  |  | 0 |  |  |  |  |  | $\times \mathrm{O}$ |  | $X$ |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  | 23.00 |
| 22.00 | - $3 \times$ | $\times 0$ |  |  | $X$ | OX | XO |  | 0 |  |  |  |  | 8 |  | $X$ |  |  |  | XO | A | X | 1 |  |  |  |  |  |  |  |  |  |  |  |  | $X$ |  |  | 22.00 |
| 21.00 | $\bigcirc$ | $\bigcirc$ |  |  | X | $\bigcirc$ | $\bigcirc$ |  |  |  |  |  |  | OX |  | $X$ | 0 |  |  | $\times \mathrm{OX}$ | X 0 | OX | O 3 | 3 |  | $O$ |  |  |  |  |  |  |  |  |  | $X$ |  |  | 21.00 |
| 20.00 |  |  | 4X |  | $X$ |  |  |  |  |  |  |  |  | OX | X 0 | OX | 0 | 2 | $X$ | $\times 8 \times$ | X 0 | OX | OX | X 0 | X | OX |  |  |  |  |  |  |  |  |  | $X$ |  |  | -20.00 |
| 19.50 |  |  | X | $\bigcirc$ | OX |  |  |  |  |  |  |  |  |  | X 0 | OX | 0 | $X$ | OX | YOX | X 0 | $\bigcirc$ | OX | X 0 | $X$ | OX | X 6 |  |  |  |  |  | $X$ | $x$ X | $X$ | $X$ |  |  | 19.50 |
| 19.00 |  |  | X | 0 | OX |  |  |  |  |  |  |  |  | OX | X 0 | OX | 0 | $X$ | OX | XOX |  |  | $\bigcirc \times$ | X 0 | 45 | $5 \times$ | $\bigcirc$ |  | $O$ |  |  |  |  | XOX | XO | X |  |  | -19.00 |
| 18.50 |  | $\bigcirc$ |  |  | O 5 |  |  |  |  |  |  |  |  | $\bigcirc$ | $C$ | $C$ | $\bigcirc$ | $X$ | O 5 | $50 X$ |  |  | O2 | 20 |  | $\bigcirc \times$ | O | X | $\bigcirc$ | N |  |  | $X$ | XOX | XO | B |  |  | 18.50 |
| 18.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  | $O 4$ | $49 \times$ |  |  | 0 |  |  |  | $\bigcirc$ | X | OX |  |  |  | $X$ | XO | $\bigcirc$ |  |  |  | -18.00 |
| 17.50 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX | XO |  |  |  |  |  |  | $\bigcirc$ | 7 | $7 \times$ | C | X |  | $x$ | $X$ |  |  |  |  | 17.50 |
| 17.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc X$ |  |  |  |  |  |  |  |  |  | $\bigcirc 8$ | OX | X 0 |  | X |  |  |  |  |  | -17.00 |
| 16.50 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc X$ |  |  |  |  |  |  |  |  |  | $\bigcirc X$ | OX | X |  | $X$ | $X$ |  |  |  |  | 16.50 |
| 16.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc \times$ |  |  |  |  |  |  |  |  |  | $O A$ | O | 10 | 0 | $A$ | $A$ |  |  |  |  | 16.00 |
| 15.50 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX | 0 | 2 | $2 X$ | 9 | 9 |  |  |  |  | 1 15.50 |
| 15.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | , |  |  |  |  |  |  |  |  |  | OX |  |  | OX | 4X |  |  |  |  |  | 15.00 |
| 14.50 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  | OX | OX |  |  |  |  |  | -14.50 |
| 14.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 89 |  |  | 3 | OX |  |  |  |  |  | 14.00 |
| 13.50 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  | OX |  |  |  |  |  | 13.50 |
| 13.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 58 |  |  |  |  |  | 13.00 |
| 12.50 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 12.50 |
| 12.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  | 12.00 |

If I had used this strategy in 2008?

## Moving forward:

SPY SPDR S\&P 500 ETF NYSE
31 -Dec-2008, 16:00 ET, daily, O: 74.012, H: 75.582, L: 73.838, C: 74.976, V: 233600528, Chg: +1.055 (1.43\%)
No recent chart pattern found
Scaling: Traditional [Reversal: 3]
(c) StockCharts com


## Inverse S\&P 500 ETF- 2008

SH ProShares Short S\&P500 NYSE
02-Mar-2009, 16:00 ET, daily, O: 175.594 , H: 180.451 , L: 174.555, C: 179.911, V: 2440240 , Chg: +8.115 (4.72\%)
P\&F Pattern Ascending Triple Top Breakout on 27-Feb-2009
Scaling: Traditional [Reversal: 3]
(c) StockCharts.com

| 182.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - | , | - |  |  |  |  | - |  |  |  |  | 182.00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 180.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $x$ |  |  |  |  |  |  |  |  | 180.00 |
| 178.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ |  |  |  |  |  |  | $x$ |  | Ir179.91 |
| 176.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ |  |  |  |  |  |  | $\times$ |  | 176.00 |
| 174.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ |  |  |  |  |  |  | 3 |  | 174.00 |
| 172.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $x$ |  |  |  |  | $\times 0$ |  |  |  |  |  |  | $x$ |  | 172.00 |
| 170.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ |  | $x$ |  |  | $\times 0$ |  |  |  |  |  | $x$ x | $x$ |  | 170.00 |
| 168.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ |  | $\times 0$ |  |  | $\times 0$ |  |  |  |  |  | $\times 0 \times$ |  |  | 168.00 |
| 166.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ |  | $\times 0$ |  | $\times \times$ | $\times 0$ |  |  |  |  |  | $\times 0 \times$ |  |  | 166.00 |
| 164.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ |  | $\times 0$ |  | $x \bigcirc$ | $\times 0$ |  |  |  |  |  | $\times 0$ |  |  | 164.00 |
| 162.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $x \bigcirc \times$ | $\times$ | $\times 0$ |  | $\times 0 \times$ |  |  |  |  |  |  | $x$ |  |  | 162.00 |
| 160.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0 \times$ | $\times 0 \times$ | $\times 0$ |  | $\times 0 \times$ | $\times 0 \times$ | O |  |  | $x$ |  | $x$ |  |  | 160.00 |
| 158.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0 \times$ | $\times 0 \times$ | $\times 0$ |  | $\times 0 \times$ | $\times 0 \times$ | O |  | $x$ | $\times 0$ |  | $x$ |  |  | 158.00 |
| 156.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0 \times$ | $\times 0 \times$ | $\times 0$ |  | $\times 0 \times$ | $\times \mathrm{OX}$ | O |  |  | $0 \times 0$ | $\times 0$ | x |  |  | 156.00 |
| 154.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0 \times$ | $\times 0 \times$ | $\times 0$ |  | $\times 0 \times$ | $\times 0 \times$ | $0 \times$ |  | $\times$ | OO | $\times 0$ | x |  |  | 154.00 |
| 152.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0 \times$ | $\times 0 \times$ | x $0 \times$ |  | $\times 0 \times$ | $\times 0 \mathrm{C}$ | $0 \times$ |  | $\times$ | 0 O | $\times$ |  |  |  | 152.00 |
| 150.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0 \times$ | $\times 0 \times$ | $\times 0 \times$ | xox | $\times 0$ | $\bigcirc$ | $0 \times$ | $0 \times$ | OX | $\bigcirc$ |  |  |  |  | 150.00 |
| 148.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0 \times$ | $\times 0 \times$ | $\times 0 \times$ | xox | x |  | OX | OX |  | - |  |  |  |  | 148.00 |
| 146.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0 \times$ | $\times 0 \times$ | $\times 0 \times$ | xox | x |  | $0 \times$ | $0 \times$ | OX |  |  |  |  |  | 146.00 |
| 144.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0 \times$ | $\times 0$ | Ox | $\times$ |  |  |  |  | Ox |  |  |  |  |  | 144.00 |
| 142.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  |  |  |  |  |  |  |  | 142.00 |
| 140.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $8 \times$ |  |  |  |  |  |  |  |  |  |  |  | 140.00 |
| 138.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $x$ OX |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  | 138.00 |
| 136.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  | 136.00 |
| 134.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times$ |  |  |  |  |  |  |  |  |  |  |  |  |  | 134.00 |
| 132.00 |  |  |  |  |  |  |  |  |  |  |  | $x$ | $x$ x | x |  |  |  |  |  |  |  |  |  |  |  |  |  | 132.00 |
| 130.00 |  |  |  |  |  |  |  |  |  |  |  | x | xox | x |  |  |  |  |  |  |  |  |  |  |  |  |  | 130.00 |
| 128.00 |  |  |  |  |  |  |  |  |  |  |  | OX | $\times \mathrm{OA}$ | $A$ |  |  |  |  |  |  |  |  |  |  |  |  |  | 128.00 |
| 126.00 |  |  |  |  |  |  |  |  |  |  | $\times$ | OX | $\times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 126.00 |
| 124.00 |  |  |  |  |  |  |  |  |  |  |  | $0 \times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 124.00 |
| 122.00 |  |  |  |  |  |  |  | $x$ |  |  | $\bigcirc \times$ | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 122.00 |
| 120.00 |  |  |  |  |  |  |  |  |  | 70 | $0 \times$ | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 120.00 |
| 118.00 |  |  |  |  |  |  |  | $\times$ | OX | OXO | $\bigcirc 9$ | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 118.00 |
| 116.00 |  |  |  |  |  |  |  | $\times$ | Ox | OX8 | 8 | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 116.00 |
| 114.00 | 7 |  |  |  |  |  |  | $\times$ | $0 \times$ | OX |  | $0 \times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 114.00 |
| 112.00 | - |  |  |  |  |  |  | $x$ | $0^{3}$ | $30 \times$ |  | Ox |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 112.00 |
| 110.00 | $\bigcirc$ |  |  |  |  |  |  | $\times$ | 0 | $4 \times$ |  | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 110.00 |
| 108.00 | $\bigcirc$ |  |  |  |  |  |  | $x$ |  | 06 |  | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 108.00 |
| 106.00 | A |  |  | $\bigcirc$ |  |  | $\times$ | OX |  | 5 |  | $0 \times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 106.00 |
| 104.00 | $\bigcirc$ |  | $\times$ |  |  | ¢ | - 0 | OX |  |  |  | $0 \times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 104.00 |
| 102.00 | c |  |  | $\bigcirc$ |  | $\times$ | O 0 | 01 |  |  |  | $0 \times$ | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 102.00 |
| 100.00 | 4 | - | $\times$ | $9 \times$ | O | $\times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 100.00 |
| 99.00 | ${ }^{-1}$ | 7 | - | OX | - | 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 99.00 |
| 98.00 |  | O | X | ${ }_{0} \times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 98.00 |
| $\frac{97.00}{96.00}$ | 6 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 97.00 96.00 |
|  |  |  |  |  |  |  |  | 08 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## Current View

Charts of the Index, the ETF and Inverse ETF
Of all
Eight Markets I Follow
$\$$ SPX S8P 500 Large Cap Index INDX
12-Jan-2018, $16: 00$ ET, daily, O: $2,770.18$, H: $2,787.85, \mathrm{~L}: 2,769.64$, C: $2,786.24, \mathrm{~V}: 2104921984$, Chg: $+18.68(0.67 \%)$
12-Jan-2018, 16:00 ET, dally, O: P\&F Pattern Double Top Breakout on 12-Sep-2017
Scaling: Traditional [Reversal: 3]
(c) StockCharts.con


12-Jan-2018, 16:00 ET, daily, O: 276.42 , H: 278.11, L: 276.082 , C: 277.92 , V: 90467696, Chg: +1.80 (0.65\%)
\&F Pattern Long Tail Up on 18-Dec-2017
Scaling: Tradtional [Reversa: 3]
() StockCharts.com


P\&F Pattern Descending Tripl Bottom Breakdown on 19-Apr-2016
Scaling: Tradtional [Reversal: 3 ]

\$USB CME CBOT 30 -Year US Treasury Bond Price (EOD) INDX
2-Jan-2018, 16:00 ET, daily, O: 149.458, H: 149.458, L: 149.458, C: 149.458 , Chg: +0.062 (0.04\%)

- recent chart pattern found

Scaling: Traditional [Reversal: 3]

\$USB CME CBOT 30 -Year US Treasury Bond Price (EOD) INDX
2-Jan-2018, 16:00 ET, daily, O: 149.458, H: 149.458, L: 149.458, C: 149.458 , Chg: +0.062 (0.04\%)

- recent chart pattern found

Scaling: Traditional [Reversal: 3]


## TLT iShares 20+ Year Treasury Bond ETF Nasdaq Global Mkt.

12-Jan-2018, 16:00 ET, daily, O: 124.10, H: 124.79, L: 123.91, C: 124.52, V: 9987029, Chg: +0.21 ( $0.17 \%$ )
No recent chart pattern found
Scaling: Traditional [Reversal: 3]


TBT ProShares UltraShort $20+$ Year Treasury NYSE
12-Jan-2018, 16:00 ET, daily, O: 35.35, H: 35.43, L: $34.93, \mathrm{C}: 35.10, \mathrm{~V}: 3582621$, Chg: - -.11 (-0.31\%)
No recent chart pattern found
Scaling: Traditional [Reversal: 3]
(c) StockCharts.com

| 83.00 |  |  |  |  | - | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -83.00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 82.00 |  |  |  | $x$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 82.00 |
| 81.00 |  |  |  | $\times$ | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 81.00 |
| 80.00 |  |  |  | $\times$ | X 0 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 80.00 |
| 79.00 |  |  |  | $\times$ | X 0 | ¢ 0 |  | $\times 1$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -79.00 |
| 78.00 |  |  | 8 | X 0 | ¢ 0 | ¢ 0 | x 0 | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 78.00 |
| 77.00 |  | $x$ | $x$ x | $0 \times 0$ | 90 | ¢ 0 | co | $\times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 77.00 |
| 76.00 |  | X | $\times \mathrm{OX}$ | $0 \times 0$ | $\bigcirc$ | ) 0 | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -76.00 |
| 75.00 | $\chi$ | OX | >0x | 0 | $\bigcirc$ | OX |  | 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 75.00 |
| 74.00 | $\times$ | OX | xox |  |  | AX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 74.00 |
| 73.00 | $\times$ | OX | -O |  |  | B |  | o |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 73.00 |
| 72.00 | $x$ | 7 |  |  | $\bigcirc$ |  |  |  | X | $x$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 72.00 |
| 71.00 | $x$ |  |  |  |  |  |  |  | ¢0 | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | I71.00 |
| 70.00 | X |  |  |  |  |  |  |  | $\times 0$ | $\times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 70.00 |
| 69.00 | $x$ |  |  |  |  |  |  |  | 20 | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 69.00 |
| 68.00 | $6 \times$ |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | I68.00 |
| 67.00 | OX |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 67.00 |
| 66.00 | $\bigcirc$ |  |  |  |  |  |  |  |  |  | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 66.00 |
| 65.00 |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 65.00 |
| 64.00 |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 64.00 |
| 63.00 |  |  |  |  |  |  |  |  |  |  | 5 X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 63.00 |
| 62.00 |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 62.00 |
| 61.00 |  |  |  |  |  |  |  |  |  |  | 06 | 60 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 61.00 |
| 60.00 |  |  |  |  |  |  |  |  |  |  |  | O |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 60.00 |
| 59.00 |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 59.00 |
| 58.00 |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 58.00 |
| 57.00 |  |  |  |  |  |  |  |  |  |  |  |  | $\times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 57.00 |
| 56.00 |  |  |  |  |  |  |  |  |  |  |  |  | $\times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 56.00 |
| 55.00 |  |  |  |  |  |  |  |  |  |  |  | 09 | 9 A |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 55.00 |
| 54.00 |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 54.00 |
| 53.00 |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 53.00 |
| 52.00 |  |  |  |  |  |  |  |  |  |  |  |  | OX | X 8 |  |  | $x$ |  |  |  |  |  |  |  |  |  |  |  | 52.00 |
| 51.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | x 0 |  |  | $x$ | OX | xOX |  |  |  |  |  |  |  |  |  | 51.00 |
| 50.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | ¢ 0 |  | $x$ | X | OX | $\times 0 \times$ | X 0 |  |  |  |  |  |  |  |  | 50.00 |
| 49.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times$ c |  | $x$ | OX | 0 | OX | x |  |  |  |  |  |  |  |  | 49.00 |
| 48.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | >0 |  | $\times$ | OX |  | $7 \times$ | > |  |  |  |  |  |  |  |  | 48.00 |
| 47.00 |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ | $\bigcirc$ | $\times$ | x 0 | 06 |  | 0 | 0 |  |  |  |  |  |  |  |  | 47.00 |
| 46.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ | 30 | 50 |  |  |  | 0 | 90 |  |  |  |  |  |  |  | 46.00 |
| 45.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | - |  |  |  |  | $\times$ | X |  |  |  |  |  |  | 45.00 |
| 44.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times$ | O |  |  |  |  | $\times$ | X | O |  |  |  |  |  | 44.00 |
| 43.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times$ | - |  |  |  |  | $\times$ | 8 | 0 |  |  |  |  |  | 43.00 |
| 42.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times$ | 4 |  |  |  |  | $\times$ A | A | $\bigcirc$ | c | $x$ |  |  |  | 42.00 |
| 41.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ |  |  |  |  | $\bigcirc$ |  |  | 1 | X | $1 \times$ |  |  |  | 41.00 |
| 40.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ | 2 |  |  |  |  |  |  |  | 0 | $\chi$ | $O^{3}$ | 30 |  |  | 40.00 |
| 39.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  | 2 | X | 0 | $\bigcirc$ |  |  | 39.00 |
| 38.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX | $x$ |  | 4 |  |  | -38.00 |
| 37.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX | 6 X |  | OX |  |  | 37.00 |
| 36.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX | O 8 |  | $6 \times$ | X 8 X |  | 36.00 |
| 35.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ | OX |  | 0 | $70 \times$ |  | -r35.10 |
| 34.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc A$ |  | $\bigcirc$ | OX |  | 34.00 |
| 33.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  | 9 |  | 33.00 |
| 32.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  | 32.00 |
| 31.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 79 |  |  |  |  | 31.00 |
| 30.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  | 30.00 |
| 29.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 29.00 |
| 15 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

\$GOLD Gold - Continuous Contract (EOD) CME
12-Jan-2018, 14:30 ET, daily, 0: 1,323.60, H: 1, 338.70, L: 1,320.80, C: 1,334.90, V: 329941, Chg: +12.40 (0.94\%)
P\&F Pattern Triple Top Breakout on 02-Jan-2018
Scaling: Traditional [Reversal: 3]
(c) StockCharts.com


## GLD SPDR Gold Shares NYSE

12-Jan-2018, 16:00 ET, daily, O: 126.01, H: 127.13, L: $125.81, \mathrm{C}: 126.96, \mathrm{~V}: 9257788$, Chg: +1.52 ( $1.21 \%$ )
No recent chart pattern found
Scaling: Traditional [Reversal: 3]

| 176.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 176.00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 174.00 |  |  |  | $X$ |  |  | $A$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 174.00 |
| 172.00 |  |  | $\times 0$ | X | O |  | $\times 0$ | O |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 172.00 |
| 170.00 |  | X | $\times 0$ | $\times 2$ | 0 |  | $\times$ | OX | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 170.00 |
| 168.00 |  | $X 8$ | XO | $X C X$ | 0 |  | $X 0$ | OX | $\times \mathrm{C}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 168.00 |
| 166.00 |  | XO | XO | XOX | 0 |  |  | OX | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 166.00 |
| 164.00 |  | $\times \mathrm{O}$ | $\bigcirc$ | OX | 0 |  | $X$ - | B | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 164.00 |
| 162.00 | OX |  |  | OX | 3 |  | X |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 162.00 |
| 160.00 | OX |  |  | OX | 0 |  | $X$ |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 160.00 |
| 158.00 | $\bigcirc$ |  |  | OX | 4X | $X$ | $x$ |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 158.00 |
| 156.00 |  |  |  | OX | 5 X | XO | X |  | 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 156.00 |
| 154.00 |  |  |  | OX | O | XO | 8 | / | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 154.00 |
| 152.00 |  |  |  | 101 | $\bigcirc$ |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 152.00 |
| 150.00 |  |  |  |  |  |  |  |  | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 150.00 |
| 148.00 |  |  |  |  | , |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 148.00 |
| 146.00 |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 146.00 |
| 144.00 |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 144.00 |
| 142.00 |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 142.00 |
| 140.00 |  |  |  |  |  |  |  |  | $\bigcirc$ | X 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 140.00 |
| 138.00 |  |  |  |  |  |  |  |  | $\bigcirc$ | 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 138.00 |
| 136.00 |  |  |  |  |  |  |  |  |  | YO |  |  | $X$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -136.00 |
| 134.00 |  |  |  |  |  |  |  |  |  | >0 | 0 |  | $X$ | 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 134.00 |
| 132.00 |  |  |  |  |  |  |  |  | $\bigcirc$ | 0 | 0 |  | $X$ | OX |  |  |  | $x$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 132.00 |
| 130.00 |  |  |  |  |  |  |  |  |  |  | $6 \times$ |  |  | OX | $\times$ A |  |  | 30 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 130.00 |
| 128.00 |  |  |  |  |  |  |  |  |  |  | OX | 8 | X | O | XO | $X$ | $B \times$ | XO |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $X$ |  |  |  | 128.00 |
| 126.00 |  |  |  |  |  |  |  |  |  |  | $0 \times$ | O | X | $\bigcirc$ | $\bigcirc$ | X | OX | XO | X | 9 |  |  |  |  |  |  |  |  |  | $\times 0$ |  |  | 9 | O 1 |  |  | Irs126.96 |
| 124.00 |  |  |  |  |  |  |  |  |  |  | $0 \times$ |  |  |  | $\bigcirc$ | X | O | 20 | $X$ | OX |  |  |  |  |  |  |  |  |  | $\times 0$ |  |  | $X$ | OX |  |  | -124.00 |
| 122.00 |  |  |  |  |  |  |  |  |  |  | OX |  |  |  | $\bigcirc$ | O | OX | $\times 5$ | 6 | OX | $\times 2$ |  |  |  |  |  |  |  |  | $\times 0$ | 4 | X | X | OX |  |  | -122.00 |
| 120.00 |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  |  | $\bigcirc \times$ | >0 |  |  | 10 |  |  |  |  |  | $\times$ |  |  | $\times 0$ | $\times$ | 5 X | $7 \times$ |  |  |  | -120.00 |
| 118.00 |  |  |  |  |  |  |  |  |  |  | 07 |  |  |  |  |  | $C 1$ |  |  |  | $\times 0$ |  |  |  |  |  | $\times 0$ | OX | $\bigcirc$ | 6 B | 20 | 06 | 08 |  |  |  | 118.00 |
| 116.00 |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  | 0 |  |  |  | $\times$ |  |  |  |  |  | $\times 0$ |  | 0 | O | X | 0 |  |  |  |  | -116.00 |
| 114.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X 3 | $x$ | 7 |  |  |  | $X$ |  |  |  | X |  |  |  |  |  | -114.00 |
| 112.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | CO | 4 | O |  | $X$ |  | $x$ |  |  | $\bigcirc$ | X |  |  |  |  |  | 112.00 |
| 110.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $B$ | 0 |  | O | X | $9 \times$ |  | X |  |  |  |  |  |  |  |  |  | 110.00 |
| 108.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | O A | O | X |  |  |  |  |  |  |  |  |  | 108.00 |
| 106.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ | 80 | 0 | $\bigcirc$ | X |  |  |  |  |  |  |  |  |  | 106.00 |
| 104.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  | 2 |  |  |  |  |  |  |  |  |  | 104.00 |
| 102.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 102.00 |
| 100.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 100.00 |
|  |  |  |  |  |  |  |  |  | 13 |  |  |  |  |  |  |  |  | 14 |  |  | 15 |  |  |  |  |  | 16 |  |  |  | 17 |  |  |  | 18 |  |  |

GLL ProShares UltraShort Gold NYSE
12-Jan-2018, 16:00 ET, daily, O: 66.64, H: 66.735, L: 65.41, C: 65.59, V: 105209, Chg: -1.633 (-2.43\%)
P\&F Pattern Triple Bottom Breakdown on 20-Dec-2017
Scaling: Traditional [Reversal: 3]
(c) StockCharts.com

\$WTIC Light Crude Oil - Continuous Contract (EOD) CME
12-Jan-2018, 16:00 ET, daily, O: 63.57, H: 64.41, L: 63.06, C: 64.30, V: 652918, Chg: $+0.50(0.78 \%)$
P\&F Pattern Ascending Triple Top Breakout on 26-Dec-2017
Scaling: Traditional [Reversal: 3]
(c) StockCharts.com

| 65.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 65.00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 64.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  | \$864.30 |
| 63.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $X$ |  |  | 63.00 |
| 62.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  | -62.00 |
| 61.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 |  | -61.00 |
| 60.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  | 60.00 |
| 59.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | X |  |  | 59.00 |
| 58.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | $C \times$ |  |  | 58.00 |
| 57.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  | -57.00 |
| 56.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  | -56.00 |
| 55.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  |  |  | $B$ |  |  |  | -55.00 |
| 54.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  | $X$ | OX | - 3 |  |  |  |  |  | X |  |  |  | 54.00 |
| 53.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | ¢ 0 | $X$ | OX | $\bigcirc$ | $X$ |  |  |  |  | A |  |  |  | 53.00 |
| 52.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $X$ |  |  | X 0 | $\times$ | OX | 0 | X | OX |  |  |  | X |  |  |  | 52.00 |
| 51.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | 6 |  |  |  |  |  |  | $\times 0$ |  |  | ¢O | X | 0 | O | $\times$ | OX | O |  |  | X |  |  |  | -51.00 |
| 50.00 | - |  |  | $\times$ |  |  |  |  |  |  |  |  |  |  | OX |  | $X$ |  |  |  | $\times 0$ |  |  | co |  |  | $\bigcirc$ | $\times$ | OX | $\bigcirc$ |  |  | X |  |  |  | -50.00 |
| 49.00 |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  | OX | XO | X | $7 \times$ |  |  | $A$ | OX | X | X |  |  | 0 | 4 | OX | $\bigcirc$ |  | X | $8 \times$ |  |  |  | - 49.00 |
| 48.00 |  |  |  | $\times$ | 0 |  |  |  |  |  |  |  |  |  | OX | XO | X | OX | 0 |  | $\times$ | OX |  |  |  |  | $\bigcirc$ |  | $5 \times$ | O |  | $\times$ | OX |  |  |  | 48.00 |
| 47.00 | OX |  | $X$ | X | $\bigcirc$ | X |  |  |  |  |  |  |  |  | 50 | $\bigcirc$ | $\times$ | OX | $\bigcirc$ |  | $\times$ | OX | OX |  |  |  |  |  | OX | ¢ 6 | 7 | $\times$ | O9 |  |  |  | 47.00 |
| 46.00 | OX | X 0 | $\times$ | $\bigcirc \times$ | O | $\times$ |  |  |  |  |  |  |  | X |  | $\bigcirc$ |  | OX | O | $\times$ | X | $B \times$ | OX |  |  |  |  |  | OX | O 0 | $\times 0$ | - |  |  |  |  | -46.00 |
| 45.00 | OX | XO | A | $\bigcirc \times$ | $\bigcirc$ | $\times$ |  |  |  |  |  |  |  | X |  |  |  | OX | $\bigcirc$ | $\times$ | X | OX |  |  |  |  |  |  | OX | O 0 | $\times$ | OX |  |  |  |  | I 45.00 |
| 44.00 | O | $\bigcirc$ |  | $\bigcirc$ | O | $\times$ |  |  |  |  |  |  |  | X |  |  |  | OX | -9 | $\times 0$ |  |  |  |  |  |  |  |  |  | OX | $\times 0$ |  |  |  |  |  | I 44.00 |
| 43.00 |  |  |  |  | $\bigcirc$ |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  | OX | O |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  | - 43.00 |
| 42.00 |  |  |  |  |  |  | $\bigcirc$ |  |  |  | $X$ |  | $X$ | OX |  |  |  | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -42.00 |
| 41.00 |  |  |  |  |  |  | 0 |  |  |  |  | X 0 | X | OX |  |  |  | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 41.00 |
| 40.00 |  |  |  |  |  |  | c |  |  |  |  | $\bigcirc$ | $\times$ | OX |  |  |  | 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -40.00 |
| 39.00 |  |  |  |  |  |  | O |  |  |  |  | $\bigcirc$ | X | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 39.00 |
| 38.00 |  |  |  |  |  |  | OX |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 38.00 |
| 37.00 |  |  |  |  |  |  | OX | 1 |  |  |  | X 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 37.00 |
| 36.00 | - |  |  |  |  |  | OX | 0 |  |  |  | ¢ 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -36.00 |
| 35.00 |  |  |  |  |  |  | 0 | $\bigcirc$ |  |  | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -35.00 |
| 34.00 |  |  |  |  |  |  |  | OX |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 34.00 |
| 33.00 |  |  |  |  |  |  |  | OX | 2 | $X$ | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -33.00 |
| 32.00 |  |  |  |  |  |  |  | $\bigcirc \times$ | 0 | $X$ | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -32.00 |
| 31.00 |  |  |  |  |  |  |  | $\bigcirc \times$ | 0 | $\times$ | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 31.00 |
| 30.00 |  |  |  |  |  |  |  | OX | 0 |  | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -30.00 |
| 29.00 |  |  |  |  |  |  |  | OX |  |  | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 29.00 |
| 28.00 |  |  |  |  |  |  |  | $\bigcirc$ |  |  | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -28.00 |
| 27.00 |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 27.00 |
| 26.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 26.00 |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

UCO ProShares Ultra Bloomberg Crude Oil NYSE
12-Jan-2018, 16:00 ET, daily, O: 25.96, H: 26.79, L: 25.861, C: 26.71, V: 2321014, Chg: +0.63 (2.42\%)
P\&F Pattern Ascending Triple Top Breakout on 27-Oct-2017
Scaling: Traditional [Reversal: 3]
(c) StockCharts.com

| 29.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 人 |  |  |  |  |  |  |  | 29.00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $X$ | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 28.00 |
| 27.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 27.00 |
| 26.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $X$ | $\chi$ |  | 1826.71 |
| 25.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX | XO | X | 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $X$ | $X$ |  | 25.00 |
| 24.00 |  |  |  |  |  |  |  |  |  |  |  |  | $X$ | $X$ | OX | XO | X 0 | 0 |  |  |  |  |  |  |  |  |  | $X$ |  |  |  |  |  |  |  | 1 | 1 |  | 24.00 |
| 23.00 |  |  |  |  |  |  |  |  |  |  |  |  | $X$ | $5 \times$ | $\bigcirc$ | 0 | X | 0 |  |  |  |  | $X$ |  |  |  |  | X 1 | 1 |  |  |  |  |  |  | C | C |  | 23.00 |
| 22.00 |  |  |  |  |  |  |  |  |  |  | $X$ |  | $X$ | OX |  | 0 | 0 | OX |  |  |  |  | $A$ | 0 |  |  |  | CO | 0 |  |  |  |  |  |  | X |  |  | 22.00 |
| 21.00 |  |  |  |  |  |  |  |  |  |  | XO | $X$ | X | $\bigcirc$ |  |  |  | OX | OX |  |  |  | X | 0 |  |  |  |  | OX |  |  |  |  |  |  | X | X |  | 21.00 |
| 20.00 |  |  |  |  |  |  |  |  | $X$ |  | XOX | X 0 | OX |  |  |  |  | OX | OX | X 0 | 0 |  | X | 0 |  | $X$ |  | X 3 | $3 X$ | 0 |  |  |  |  |  | $B$ | 8 |  | 20.00 |
| 19.50 |  | $X$ |  |  |  |  | $X$ | $\chi$ | $X$ | OX | XOX | X 0 | OX |  |  |  |  | OX | OX | X | OX |  | X | 0 |  | $X$ | OX | X 0 | 04 | 0 |  |  |  |  |  | $X$ | $X$ |  | 19.50 |
| 19.00 |  | XO |  |  |  |  | X | $\bigcirc$ | OX | OX | XOX | X 0 | OX |  |  |  |  | OX | OX | X | OX | O | X | $B$ |  | X | OX | XO | OX | O | X |  |  |  |  | $X$ | $X$ |  | 19.00 |
| 18.50 |  | XOX |  |  |  |  | $X$ | XO | OX | OX | XOX | X 0 | OX |  |  |  |  | OX | $9 \times$ | X | OX | O | X | OX |  | $X$ | OX | X | OX |  | X 0 |  |  |  | $X$ | X | $X$ |  | 18.50 |
| 18.00 |  | X O | XO | 0 |  |  |  | XO | 0 | $\bigcirc$ | OX | XO |  |  |  |  |  | OX | OX | X | OX | - |  | OX | XO | X | OX | XO | OX |  | X 0 | 0 |  |  |  | $A X$ |  |  | 18.00 |
| 17.50 |  | X 2 | XO | 0 |  |  | X | $X$ |  |  | $4 \times$ | X |  |  |  |  |  | OX | $\bigcirc$ |  | OX |  |  | OX | ХO | X | 0 |  | OX |  | X 0 | 0 |  |  | $X$ | OX |  |  | 17.50 |
| 17.00 | OX | X O | XO | 0 |  |  | X | X |  |  | $O$ | X |  |  |  |  |  | OX |  |  | $\bigcirc$ |  |  | $\bigcirc$ | $\bigcirc$ | X |  |  | OX |  | X 0 | 0 |  | $X$ | X | OX |  |  | 17.00 |
| 16.50 | OX | XO | XO | 0 |  |  | 3 | 3 |  |  | OX | X |  |  |  |  |  | OX |  |  |  |  |  |  |  | X |  | 0 | 0 |  | XO | 0 |  | X | $8 \times$ |  |  |  | 16.50 |
| 16.00 | OX | XO | XO | 0 |  |  | X | $\chi$ |  |  | O | X |  |  |  |  |  | 8 X |  |  |  |  |  |  | 0 |  |  |  |  |  | X 6 | 6 |  |  | OX |  |  |  | 16.00 |
| 15.50 | OX | XO | X | OX |  | $X$ | $X$ | $\chi$ |  |  | $O$ |  |  |  |  |  |  | $O$ |  |  |  |  |  |  |  |  |  |  |  |  | X 0 | 0 |  | $X$ | OX | - |  |  | -15.50 |
| 15.00 | 0 | 0 |  | OX | 0 | $X$ | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 | 07 | 7 | X | O9 |  |  |  | -15.00 |
| 14.50 |  |  |  | OX | 0 | X | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX | XO | OX | 0 |  |  |  | 14.50 |
| 14.00 |  |  |  | OX | 0 |  | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX | XO | OX |  |  |  |  | 14.00 |
| 13.50 |  |  |  | OX |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX | XO | 0 |  |  |  |  | 13.50 |
| 13.00 |  |  |  | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  |  |  |  | 13.00 |
| 12.50 |  |  |  | $0 X$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  | 12.50 |
| 12.00 |  |  | 0 | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  |  | 12.00 |
| 11.50 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 11.50 |

# SCO ProShares UltraShort Bloomberg Crude Oil NYSE 

12-Jan-2018, 16:00 ET, daily, O: 22.09, H: 22.17, L: 21.39, C: $21.45, \mathrm{~V}: 1680210$, Chg: $-0.52(-2.37 \%)$
P\&F Pattern Descending Triple Bottom Breakdown on 27-Oct-2017
Scaling: Traditional [Reversal: 3]

| 62.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 62.00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 61.00 |  |  |  |  |  |  |  |  |  | $x$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 61.00 |
| 60.00 |  |  |  |  |  |  |  |  |  | $x$ | O |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 60.00 |
| 59.00 |  |  |  |  |  |  |  |  |  | X | O |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 59.00 |
| 58.00 |  |  |  |  |  |  |  |  |  | 8 | O |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 58.00 |
| 57.00 |  |  |  |  |  |  |  |  |  | X | O |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 57.00 |
| 56.00 |  |  |  |  |  |  |  |  |  | X | O |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 56.00 |
| 55.00 |  |  |  |  |  |  |  |  |  | $X$ | O |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 55.00 |
| 54.00 |  |  |  |  |  |  |  |  |  | $X$ | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 54.00 |
| 53.00 | $x$ |  |  |  |  |  |  |  |  | $X$ | OX | O |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 53.00 |
| 52.00 | $\times 0$ |  |  |  |  |  |  |  |  | $\times$ | OX | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 52.00 |
| 51.00 | $\times 0$ | X |  | $X$ |  |  |  |  |  | X | OX |  |  |  | $X$ | X |  |  |  |  |  | $x$ |  |  |  |  |  |  |  |  | O |  |  |  |  |  |  |  | 51.00 |
| 50.00 |  | X | O | X | 0 |  |  |  |  | $X$ | 0 | $\bigcirc$ | O |  | $\times 0$ | $\times$ | $\bigcirc$ |  |  |  |  | $\times 0$ |  |  |  |  |  |  |  | $\times$ | $\bigcirc$ |  |  |  |  |  |  |  | 50.00 |
| 49.00 |  | X | O | $\times$ | 0 |  |  |  |  | $X$ |  | 0 | 0 |  | $\times 0$ | $\times$ | 0 |  |  |  |  | $\times 0$ |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  | 49.00 |
| 48.00 |  | X | O | X | 0 |  |  |  |  | $X$ |  | 0 | 0 |  | 90 | $\times$ | OX |  | X | $X$ |  | $\times 0$ |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  |  | 48.00 |
| 47.00 |  | X | $\bigcirc$ |  | $\bigcirc$ |  |  | $X$ | $\chi$ | $X$ |  | 0 | 0 |  | $\times 0$ | $\times$ | OX | YO | $\times 0$ | OX | OX | $\times 0$ |  |  |  |  |  |  |  | $\times$ | OX |  |  |  |  |  |  |  | -47.00 |
| 46.00 | $\bigcirc$ | 5 |  |  | 0 |  |  | $X$ | $\bigcirc$ | - |  | 0 | 0 |  | $\times 0$ | $\times$ | OX | $\bigcirc$ | $\times$ | OX | OX | $\times 0$ |  |  |  |  |  |  |  | $\times$ | OX |  |  |  |  |  |  |  | I 46.00 |
| 45.00 | 0 |  |  |  | OX |  | $X$ | $X$ | $\times$ | X |  | 0 | $\bigcirc$ |  | $\times 0$ | $\times$ | OX | ¢O | 0 | $0 \times$ | OX | XO | X |  |  |  |  |  |  | $\times$ | OX | 0 |  |  |  |  |  |  | - 45.00 |
| 44.00 |  |  |  |  | OX | O | $\times$ | OX | O | X |  |  | OX |  | $\times 0$ | $\times$ | $\bigcirc$ |  |  | $0 \times$ | O | 0 | $X$ | 0 |  |  |  |  | $X$ | OX | $0 \times$ | OX |  |  |  |  |  |  | I 44.00 |
| 43.00 |  |  |  |  | $\bigcirc \times$ | O 0 | $\times$ | OX | O |  |  |  | $0 \times$ | OX | XO | X |  |  |  | $\bigcirc B$ |  |  | $\times$ | $\bigcirc$ |  |  |  |  | $X$ | OX | $7 \times$ | OX | $\times 0$ |  |  |  |  |  | -43.00 |
| 42.00 |  |  |  |  | OX | O | $\times$ | OX |  |  |  |  | $0 \times$ | OX | >0 |  |  |  |  | OX |  |  | $\times$ | 0 |  |  | X |  | X | OXO | 0 | OX | X 0 |  |  |  |  |  | -42.00 |
| 41.00 |  |  |  |  | OX | O | $\times$ | OX |  |  |  |  | $0 \times$ | $\bigcirc$ |  |  |  |  |  | OX |  |  | $X$ | O |  |  |  | $\bigcirc$ | O 5 | O6 |  | 0 | 0 | $X$ | 9 |  |  |  | 41.00 |
| 40.00 |  |  |  |  | OX | OX | $\times$ | 07 | 7 |  |  | $\bigcirc$ | 0 |  |  |  |  |  |  | OX |  | $\bigcirc$ |  | 0 |  |  |  | $\bigcirc$ | $0 \times$ | OX |  |  | $\bigcirc$ | $\times$ | 0 |  |  |  | 40.00 |
| 39.00 |  |  |  |  | $6 \times$ | O |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  | $A X$ |  |  |  | 0 |  |  |  | $\bigcirc$ | OX | OX |  |  | 10 | $\times$ | 0 |  |  |  | 39.00 |
| 38.00 |  |  |  |  | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  | $\bigcirc$ |  |  |  | $\bigcirc$ | OX | OX |  |  |  | $\times$ | 0 |  |  |  | 38.00 |
| 37.00 |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  | 0 |  |  |  | $\bigcirc$ | OX | OX |  |  | $\bigcirc$ | 8 | $\bigcirc$ |  |  |  | 37.00 |
| 36.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  |  |  | 0 |  |  | $\times$ | $\times 4$ | $4 \times$ | $\bigcirc$ |  |  | $\bigcirc$ |  | OX |  |  |  | 36.00 |
| 35.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  | $c$ |  | $X$ | $\times$ | $\times$ | OX |  |  |  |  |  | OX | 10 |  |  | 35.00 |
| 34.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX |  | $X$ | OX | ¢ 0 | OX |  |  |  |  |  | $O A$ | AO |  |  | - 34.00 |
| 33.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX | 1 | $\times$ | O 3 |  |  |  |  |  |  |  | 0 | $\bigcirc$ |  |  | - 33.00 |
| 32.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OX | O | $\times$ | 0 |  |  |  |  |  |  |  |  | 0 |  |  | -32.00 |
| 31.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  | -31.00 |
| 30.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $B$ |  |  | - 30.00 |
| 29.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  | -29.00 |
| 28.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  | -28.00 |
| 27.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  | -27.00 |
| 26.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  | -26.00 |
| 25.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c |  |  | - 25.00 |
| 24.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  | - 24.00 |
| 23.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  | -23.00 |
| 22.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  | -22.00 |
| 21.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <821.45 |

\$IEE iShares MSCI EAFE Index INDX
12-Jan-2018, 16:00 ET, daily, O: 72.925, H: 73.355, L: 72.754, C: 73.33 , Chg: +0.694 ( $0.96 \%$ )
P\&F Pattern Double Top Breakout on 10-Mar-2017
Scaling: Traditional [Reversal: 3]
(c) StockCharts.com

| 74.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 74.00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 73.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $X$ |  | 8873.33 |
| 72.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $X$ |  | 72.00 |
| 71.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  | 71.00 |
| 70.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 6 |  |  |  |  |  |  |  |  |  |  |  |  | 8 |  | 70.00 |
| 69.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 57 |  |  |  |  |  |  |  |  |  |  |  |  | $A$ |  | 69.00 |
| 68.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  | 9 |  | 68.00 |
| 67.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 X | $X 0$ | $\times 0$ | 0 | X |  | X 6 |  |  |  |  |  |  |  |  | 6 |  | 67.00 |
| 66.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | XOX | XO | 48 | 8 | 3 | O | O |  |  |  |  |  |  |  |  | $X$ |  | 66.00 |
| 65.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $40 \times$ | XO |  | 0 | $X$ | 0 | 40 |  |  |  |  |  |  |  |  | 5 |  | 65.00 |
| 64.00 |  | 5 | x | X 0 | O |  |  |  |  |  |  |  |  |  |  |  |  | XOX |  |  | 98 | B | 0 | 0 | X 8 | 8 |  |  |  |  |  |  | $X$ |  | 64.00 |
| 63.00 |  | $\times \mathrm{O}$ | $\bigcirc$ | X 0 |  |  |  |  |  |  |  |  |  |  | $X$ | $X$ | 9 | 92 |  |  | $A X$ | C 2 |  |  | X | $\bigcirc$ |  |  |  |  |  |  | 4 |  | 63.00 |
| 62.00 |  | $\times \mathrm{O}$ | $\bigcirc$ | X 0 |  |  |  |  |  |  |  |  |  |  | 5 | $6 \times$ | O8 | 8 |  |  | OX | OX |  | 0 |  | $\bigcirc$ |  |  |  |  |  |  | $X$ |  | 62.00 |
| 61.00 |  | $40 \times$ | O | X 0 |  |  |  |  |  |  |  |  |  |  |  | OX | OX |  |  |  | OX | OX |  |  |  | OX |  |  |  |  |  |  | 3 |  | 61.00 |
| 60.00 | T 3 | XO | $\bigcirc$ | 70 |  |  |  |  |  |  |  |  |  |  | 30 | O O | OX |  |  |  |  | OX |  |  |  | OX |  |  |  |  | 9 | 9 - | X |  | 60.00 |
| 59.00 | OX |  | 6 | X 0 |  |  |  |  |  |  |  |  |  |  | $X$ |  | OX |  |  |  |  | 1 |  |  |  | $\bigcirc \times$ | 0 |  | $X$ |  | 8 | 8 B | X |  | 59.00 |
| 58.00 | OX |  |  | X 0 |  |  |  |  |  |  |  |  |  |  | $X$ |  | 07 |  |  |  |  | , |  |  |  | $9 \times$ | O |  | 4 | $6 \times$ | X | Y 0 | 1 |  | 58.00 |
| 57.00 | OX |  |  | X 8 |  |  |  |  |  |  |  |  |  |  | 1 |  | 0 |  |  |  |  |  |  |  |  | $O A$ | 41 |  | $X \mathrm{O}$ | OX | OX | 0 |  |  | 57.00 |
| 56.00 | O |  |  | X 0 |  |  |  |  |  |  |  |  |  |  | C |  |  |  |  |  |  |  |  |  |  | $O$ | 0 |  | $X \mathrm{O}$ | OX | OX |  |  |  | 56.00 |
| 55.00 |  |  |  | X 0 | $\bigcirc$ |  |  |  |  | $X$ |  |  | - |  | $X$ |  |  |  |  |  |  |  |  |  |  |  | OX | X | X 0 | $\bigcirc$ | OX |  |  |  | 55.00 |
| 54.00 |  |  |  | X 0 | OX | X | $X$ |  |  | X B |  | $X$ | 5 X | $X B X$ |  |  |  |  |  |  |  |  |  |  |  |  |  | XO | X |  | 07 |  |  |  | 54.00 |
| 53.00 |  |  | $\bigcirc$ | 0 | OX | OX | $\times 0$ |  |  | $\times 0$ |  | 2 | 0 | 908 |  |  |  |  |  |  |  |  |  |  |  |  | O | 20 | 3 |  | 0 |  |  |  | 53.00 |
| 52.00 |  |  |  |  | OX | OX | XO |  |  | XO |  | $X$ | OX | XO |  |  |  |  |  |  |  |  |  |  |  |  | 0 | 0 |  |  | , |  |  |  | 52.00 |
| 51.00 |  |  |  | 10 | $\bigcirc X$ | OX | $\times 0$ |  |  | XO | C | $X$ | O 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 51.00 |
| 50.00 |  |  |  | O | $\bigcirc X$ | OX | X 9 |  |  | XO | X 0 | X | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50.00 |
| 49.00 |  |  |  |  | OX | OX | XO | X |  | XO | XO | 1 | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 49.00 |
| 48.00 |  |  |  |  | $\bigcirc$ | OX | XO | $X$ |  | XO | $\times 0$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 48.00 |
| 47.00 |  |  |  |  |  | OX | X 0 | $X$ | OX | XO |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 47.00 |
| 46.00 | , |  |  |  |  | $\bigcirc$ | $\bigcirc$ | X 0 | $\bigcirc$ |  |  |  | , |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 46.00 |
| 45.00 |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 45.00 |
| 44.00 |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 44.00 |
| 43.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 43.00 |
| 12 |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 13 |  | 1 | 4 |  |  |  | 15 |  |  |  |  | 16 |  |  |  |  |  | 18 |  |  |

EFA iShares MSCI EAFE ETF NYSE
12-Jan-2018, 16:00 ET, daily, O: 73.03, H: 73.51, L: 72.964, C: 73.50, V: 22694326, Chg: +0.73 (1.00\%)
P\&F Pattern Long Tail Up on 03-Jan-2018
Scaling: Traditional [Reversal: 3]


EFU ProShares UltraShort MSCI EAFE NYSE
12-Jan-2018, 16:00 ET, daily, O: 21.26, H: 21.26 , L: 20.98 , C: 20.98, V: 5686, Chg: -0.56 ( $-2.60 \%$ )
P\&F Pattern Double Bottom Breakdown on 13-Jan-2017
Scaling: Traditional [Reversal: 3]
(c) StockCharts.com

| 65.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 65.00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 64.00 |  |  |  | $x$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 64.00 |
| 63.00 | - |  |  |  | ¢ 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 63.00 |
| 62.00 | - $3 \times$ |  |  |  | $\times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 62.00 |
| 61.00 | xox | $\times 4 \times$ |  |  | $\times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 61.00 |
| 60.00 | xox | $\times 0 \times$ | O |  | >0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 60.00 |
| 59.00 | $\bigcirc$ | OX | OX | x | -7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 59.00 |
| 58.00 |  | $0 \times$ | 06 | OX | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 58.00 |
| 57.00 |  | $0 \times$ | OX | OX | 人 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 57.00 |
| 56.00 |  | $\bigcirc$ | OX | O | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 56.00 |
| 55.00 |  |  | OX |  | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 55.00 |
| 54.00 |  |  | 5 X |  | OX | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 54.00 |
| 53.00 |  |  | OX |  | OX | O |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 53.00 |
| 52.00 |  |  | $\bigcirc$ |  | $8 \times$ | O |  |  |  |  |  |  |  |  |  |  |  |  |  | $X$ |  |  |  |  |  |  |  |  | 52.00 |
| 51.00 |  |  |  |  | $\bigcirc$ | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  | $X$ |  |  |  |  |  |  |  |  | 51.00 |
| 50.00 |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times$ | OX |  |  |  |  |  |  |  | 50.00 |
| 49.00 |  |  |  |  |  | OX |  |  |  |  | $x$ |  |  |  |  |  |  |  |  | $\times$ | OX |  |  |  |  |  |  |  | 49.00 |
| 48.00 |  |  |  |  |  | OX | OX |  |  |  | $\times 0$ |  | $x$ |  |  |  |  |  |  | $\times$ | OX |  |  |  |  |  |  |  | 48.00 |
| 47.00 |  |  |  |  |  | $\bigcirc$ | 402 | 20 |  |  | $\times$ | X | $x$ | 0 |  |  |  |  |  | $\times$ | O2 | 0 |  |  |  |  |  |  | 47.00 |
| 46.00 |  |  |  |  |  |  | OX | - |  |  | $\times 0$ | $\times$ | ¢ |  |  | $x$ |  |  |  | $\chi$ |  | 3 |  |  |  |  |  |  | 46.00 |
| 45.00 |  |  |  |  |  |  | OX | - |  |  | $\times$ | $\times$ | X |  |  | $x$ | X | $x$ | A | $x$ |  | 0 |  |  |  |  |  |  | - 45.00 |
| 44.00 |  |  |  |  |  |  | OX | O |  |  | $\times$ | $\times$ | 1 | $\bigcirc$ | $\times$ | $\times$ | X | $0 \times$ | O | X |  |  |  |  |  |  |  |  | -44.00 |
| 43.00 |  |  |  |  |  |  |  | $10 \times$ |  |  | A | $\times 0$ |  | $\bigcirc$ |  | $\times$ | X | OX | OX | X |  |  | x 0 |  | $\times 0$ | O |  |  | 43.00 |
| 42.00 |  |  |  |  |  |  | $\bigcirc$ | OX | $\times 4$ |  | $\times 0$ |  |  | 2 |  | $x$ | X | OX | $\bigcirc$ | OX |  |  | 40 |  | XO | O |  |  | 42.00 |
| 41.00 |  |  |  |  |  |  |  |  | YOX | $x$ | X 8 |  |  |  |  | $\times$ | 9 | OX | OX | 01 |  |  | $\bigcirc$ | $\times$ | $\times 0$ | O |  |  | I 41.00 |
| 40.00 |  |  |  |  |  |  |  | 3 | OX | -9 | X |  |  | OX | $\times \times$ | x 0 |  | $\bigcirc$ | OX | 0 |  |  |  | $\times$ | 60 | 7 |  |  | 40.00 |
| 39.00 |  |  |  |  |  |  |  |  |  | XOX |  |  |  | 07 | $70 \times$ |  |  |  |  |  |  |  | $\bigcirc$ | 50 | $\bigcirc$ | OX |  |  | 39.00 |
| 38.00 |  |  |  |  |  |  |  |  |  | 80 |  |  |  | $3 \times$ | XOX |  |  |  |  |  |  |  | $\bigcirc$ |  | $\bigcirc$ | OX | - |  | 38.00 |
| 37.00 |  |  |  |  |  |  |  |  | 6 |  |  |  |  | $0 \times$ | 108 | 8 |  |  |  |  |  |  |  |  |  | OX | - |  | 37.00 |
| 36.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 60 |  |  |  | , |  |  |  |  |  |  | 88 | 80 |  | 36.00 |
| 35.00 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  | 9 | $\bigcirc$ |  | - 35.00 |
| 34.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  | 34.00 |
| 33.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  | 33.00 |
| 32.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |  | 32.00 |
| 31.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  | -31.00 |
| 30.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |  | 30.00 |
| 29.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |  | 29.00 |
| 28.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  | -28.00 |
| 27.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 6 |  | 27.00 |
| 26.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7 |  | -26.00 |
| 25.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 9 |  | 25.00 |
| 24.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  | 24.00 |
| 23.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $c$ |  | 23.00 |
| 22.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  | 22.00 |
| 21.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  | 21.00 |
| 20.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1820.98 |
| $\begin{array}{llll}14 & 15 & 16 & 18\end{array}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## USD US Dollar Index - Cash Settle (EOD) ICE

12-Jan-2018, 16:00 ET, daily, O: 91.51, H: 91.63, L: 90.53, C: 90.735 , Chg: -0.873 (-0.95\%)
No recent chart pattern found
Scaling: Traditional [Reversal: 3]


## UUP PowerShares DB US Dollar Index Bullish Fund NYSE

12-Jan-2018, 16:00 ET, daily, O: $2,380.00$, H: 2,382.00, L: $2,370.50$, C: $2,371.00$, V: 1098238, Chg: -25.00 ( $-1.04 \%$ )
\&FF Pattern Triple Bottom Breakdown on 29-Dec-2017
Scaling: Traditional [Reversal: 3]
(c) StockCharts.com


UDN PowerShares DB US Dollar Index Bearish Fund NYSE
12-Jan-2018, 16:00 ET, daily, O: 2,261.00, H: 2,270.00, L: 2,259.60, C: 2,270.00, V: 141810, Chg: +22.00 ( $0.98 \%$ )
P\&F Pattern Triple Top Breakout on 29-Dec-2017
Scaling: Traditional [Reversal: 3]
(c) StockCharts.com

\$DJUSRE Dow Jones US Real Estate Index INDX
12-Jan-2018, 16:00 ET, daily, O: 308.24, H: 308.24, L: 305.22, C: 305.86, V: 18761043968, Chg: -2.33 (-0.76\%)
No recent chart pattern found
Scaling: Traditional [Reversal: 3]
(c) StockCharts.com


VNQ Vanguard REIT ETF NYSE
12-Jan-2018, 16:00 ET, daily, O: 79.03, H: 79.24, L: 78.467, C: 78.61, V: 5154530, Chg: -0.64 (-0.81\%)
No recent chart pattern found
Scaling: Traditional [Reversal: 3]


SRS ProShares UltraShort Real Estate NYSE
12-Jan-2018, 16:00 ET, daily, O: 31.92 , H: 32.42, L: 31.92, C: 32.34, V: 38005 , Chg: +0.522 ( $1.64 \%$ )
\&F Pattern Low Pole Reversal on 12-Jan-2018
Scaling: Traditional [Reversal: 3]


GNX S\&P GSCI Commodity Index - Spot Price INDX
2-Jan-2018, 16:00 ET, daily, O: 450.732, H: 453.516 , L: 449.071 , C: 453.233 , Chg: +2.014 (0.45\%)
P\&F Pattern Ascending Triple Top Breakout on 26-Dec-2017
Scaling: Traditional [Reversal: 3]

| 456.00 |  |  |  |  |  |  |  |  | , | - |  | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 456.00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 452.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $x$ |  |  | rr453.23 |
| 448.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $x$ |  |  | I448.00 |
| 444.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  | -444.00 |
| 440.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $x$ |  |  | -440.00 |
| 436.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $x$ |  |  | 436.00 |
| 432.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $x$ | $x$ |  |  | - 432.00 |
| 428.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -428.00 |
| 424.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 424.00 |
| 420.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | BOX |  |  | - 420.00 |
| 416.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 0 |  |  | -416.00 |
| 412.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $x$ |  |  |  | 412.00 |
| 408.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $x$ |  |  |  | 408.00 |
| 404.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |  |  |  | $X$ | $x$ |  |  |  | -404.00 |
| 400.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $x$ | $\times 0$ | OX |  |  |  | $\chi$ | AX |  |  |  | - 400.00 |
| 396.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\times$ | $0 \times 0$ |  |  |  |  | OX |  |  |  | - 396.00 |
| 392.00 |  |  |  |  |  |  |  |  |  |  | $x$ |  |  |  |  |  |  |  | $\times$ | x 0 | 040 |  |  |  | $X$ | O |  |  |  | - 392.00 |
| 388.00 |  |  |  |  |  |  |  |  |  |  | $\times 0$ |  |  |  |  |  |  |  | $\times 0$ | 0 | $0 \times 0$ | X | 0 |  | 9 |  |  |  |  | -388.00 |
| 384.00 |  |  |  |  |  |  |  |  |  |  | $\times 0$ |  |  |  |  |  |  |  | $x$ |  | OXO | X | 0 | $x$ |  |  |  |  |  | 384.00 |
| 380.00 |  |  |  |  |  |  |  |  |  |  | XO |  |  |  |  | $x$ |  |  | c |  | OXO | X | 0 |  | OX |  |  |  |  | - 380.00 |
| 376.00 |  |  |  |  |  |  |  |  |  |  | 60 | XO | OX 7 | 7 |  | $\times 0$ |  |  | $x$ |  | 0 | X | 07 | X | OX |  |  |  |  | -376.00 |
| 372.00 |  |  |  |  |  |  |  |  |  |  | XO | XO | $0 \times 0$ | OX |  | $\times 0$ |  | $x$ | X |  |  | X 6 | $6 \times$ | OX | O |  |  |  |  | 372.00 |
| 368.00 |  |  |  |  |  |  |  |  |  |  | XO | O | $0 \times 0$ | $0 \times 0$ | O | 40 |  | $\times 0$ | OX |  | $\bigcirc$ | X | OX | OX |  |  |  |  |  | 368.00 |
| 364.00 |  |  |  |  |  |  |  |  |  |  | X | $\bigcirc$ | $\bigcirc 0$ | $0 \times 0$ | $\bigcirc$ | $\times 0$ |  | $\times 0$ | OX |  |  | 0 | OX |  |  |  |  |  |  | 364.00 |
| 360.00 |  |  |  |  |  |  |  |  |  | $x$ | $x$ |  |  | $0 \times 0$ | OX | $x 8$ | X | $\times 0$ | 0 |  |  |  | OX |  |  |  |  |  |  | 360.00 |
| 356.00 |  |  |  |  |  |  |  |  |  | $\times 5$ | 5 X |  |  | $0 \times 0$ | $0 \times 0$ | 人O | ¢ 0 | - |  |  |  |  | OX |  |  |  |  |  |  | 356.00 |
| 352.00 |  |  |  |  |  |  |  |  |  | $\times$ | OX |  |  | $0 \times 0$ | $0 \times 0$ | - 0 | $\times 0$ | - |  |  |  |  |  |  |  |  |  |  |  | - 352.00 |
| 348.00 |  |  |  |  |  |  |  |  |  | $\times 0$ | OX |  |  | $0 \times 0$ | $0 \times 0$ | /0 | /o |  |  |  |  |  |  |  |  |  |  |  |  | -348.00 |
| 344.00 |  |  |  |  |  |  |  |  |  | $\times 0$ |  |  |  | $0 \times 9$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 344.00 |
| 340.00 | - |  |  |  |  |  |  | $x$ | $x \times 0$ | OX |  |  |  | ox |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - 340.00 |
| 336.00 | $\bigcirc$ |  |  |  |  |  |  |  | $\times 0 \times 0$ | OX |  |  |  | Ox |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 336.00 |
| 332.00 | O |  |  |  |  |  |  |  | $\times 0 \times 0$ | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 332.00 |
| 328.00 | - |  |  |  |  |  |  |  | xoxo |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 328.00 |
| 324.00 | $\bigcirc$ |  |  |  |  |  |  |  | xox |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 324.00 |
| 320.00 | - |  |  |  |  |  |  |  | - 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 320.00 |
| 316.00 | OX |  |  |  |  |  |  |  | xox |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 316.00 |
| 312.00 | OX |  |  |  |  |  |  |  | $\times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 312.00 |
| 308.00 | $\bigcirc 1$ |  |  |  |  |  |  | 3 | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 308.00 |
| 304.00 | $\bigcirc$ | $\bigcirc$ |  |  |  |  | $X$ | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 304.00 |
| 300.00 |  | $\bigcirc$ |  |  | X $2 \times$ | $X$ | $\times$ | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 300.00 |
| 296.00 |  | $\bigcirc$ |  |  | XOX | X | OX | Ox | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 296.00 |
| 292.00 |  | 0 | X |  | XOX | X | OX | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 292.00 |
| 288.00 |  |  | $\times$ | OX | OX | $\times$ | Ox |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 288.00 |
| 284.00 |  |  | $\times$ | OX |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 284.00 |
| 280.00 |  | O | $\times$ |  |  |  | , |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 280.00 |
| 276.00 |  | $\bigcirc$ | $x$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 276.00 |
| 272.00 |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 272.00 |
| 268.00 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 268.00 |

GSG iShares S\&P GSCI Commodity-Indexed Trust NYSE
12-Jan-2018, $16: 00 \mathrm{ET}$, daily, O: $16.68, \mathrm{H}: 16.80, \mathrm{~L}: 16.65, \mathrm{C}: 16.80, \mathrm{~V}: 303967, \mathrm{Chg} \cdot+0.12(0.72 \%)$
12-Jan-2018, $16: 00$ ET, daily, O: 16.68 , H: 16.80, L: 16.6
P\&F Pattern Double Top Breakout on 06-Nov-2017
Scaling: Traditional [Reversal: 3]


DDP DB Commodity Short ETN NYSE
12-Jan-2018, 16:00 ET, daily, O: 44.51, H: 44.51, L: 44.51, C: 44.51, Chg: $0.00(0.00 \%)$
No recent chart pattern found
Scaling: Traditional [Reversal: 3]

| 71.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 71.00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 70.00 |  |  |  |  |  |  |  |  | $x$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 70.00 |
| 69.00 |  |  |  |  |  |  |  |  | $\times 0$ |  | $X$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -69.00 |
| 68.00 |  |  |  |  |  |  |  |  | $\times 0$ |  |  | O |  |  |  |  |  |  |  |  |  |  |  |  |  | -68.00 |
| 67.00 |  |  |  |  |  |  |  |  | $\times 0$ |  |  | O |  |  |  |  |  |  |  |  |  |  |  |  |  | 67.00 |
| 66.00 |  |  |  |  |  |  |  |  | $x$ OX |  |  | O |  |  |  |  |  |  |  |  |  |  |  |  |  | 66.00 |
| 65.00 |  |  |  |  |  |  |  |  | $x$ OX | 2 |  | O |  |  |  |  |  |  |  |  |  |  |  |  |  | 65.00 |
| 64.00 |  |  |  |  |  |  |  |  | XOX | - |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  | 64.00 |
| 63.00 |  |  |  |  |  |  |  |  | $x$ OX | O |  | O |  |  |  |  |  |  |  |  |  |  |  |  |  | 63.00 |
| 62.00 |  |  |  |  |  |  |  |  | $\times$ OX | O |  | OX |  |  |  |  |  |  |  |  |  |  |  |  |  | 62.00 |
| 61.00 |  |  |  |  |  |  |  |  | $x$ OX | - |  | OX | 5 |  |  | $\times 0$ |  |  |  |  |  |  |  |  |  | 61.00 |
| 60.00 |  |  |  |  |  |  |  |  | $x$ OX | - |  | OX | 0 |  |  | $\times 0$ |  |  |  |  |  |  |  |  |  | -60.00 |
| 59.00 |  |  |  |  |  |  |  | $x \times$ | X OX | O |  | OX |  |  |  | $\times 0$ |  |  |  |  |  |  |  |  |  | -59.00 |
| 58.00 |  |  |  |  |  |  |  | $\times 01$ | $10 \times$ | - |  | OX | 0 |  |  | $\times 0$ |  |  |  |  |  |  |  |  |  | 58.00 |
| 57.00 |  |  |  |  |  |  |  | $x 0 \times$ | >0 | 3 |  | 40x |  |  |  | $\times 0$ |  |  |  |  |  |  |  |  |  | - 57.00 |
| 56.00 |  |  |  |  |  |  |  | xox |  | $\bigcirc$ |  | OX | O |  |  | $\times 0$ |  | 9 | 90 |  |  |  |  | $\times 0$ |  | 56.00 |
| 55.00 |  |  |  |  |  |  |  | xOX | x | OX |  | O | $\bigcirc$ |  |  | $\times$ | O | $x$ | $\times$ |  |  |  |  | $\times 0$ |  | 55.00 |
| 54.00 |  |  |  |  |  |  |  | xox |  | $0 \times$ | OX |  | $\bigcirc$ |  |  | $\times$ | OX | $0 \times$ | - |  |  |  | $\times 9 \times$ | $\times 0$ |  | 54.00 |
| 53.00 |  |  |  |  |  |  | $\times$ - | co |  | OX | OX |  | $\bigcirc$ |  |  | $\times$ | X | OX | $\times$ | X 1 |  |  | $\times \mathrm{OX}$ | $\times 0$ |  | 53.00 |
| 52.00 |  |  |  |  |  |  | $x \mathrm{OX}$ | X |  | OX | OX |  | $\bigcirc$ |  |  | $\times$ | O | OX | $\times$ | $x$ | OX |  | $\times \mathrm{OX}$ | $\times 0$ |  | 52.00 |
| 51.00 |  |  |  |  |  |  | 908 |  |  | $0 \times 0$ |  |  | ox |  |  | $\times 0$ | 0 | OX | $\times$ - |  | OX 4 |  | $\times$ O | $c o$ |  | 51.00 |
| 50.00 |  |  |  |  |  |  | $\times \mathrm{OX}$ |  |  | ox |  |  | $0 \times$ |  |  | 7 |  | $\bigcirc$ | OX | X | OXO | $\times 6$ | XOX | $\times 0$ |  | 50.00 |
| 49.00 |  |  |  |  |  |  | 80 O | X |  | OX |  |  | $0 \times$ | OX | 6 X | $x$ |  |  | $0 \times$ | OXO | OXO | $\times 0$ | $\times$ AX | $\times$ |  | 49.00 |
| 48.00 |  | $x$ |  |  |  | X | xox |  |  | ox |  |  | $0 \times$ | OX | $0 \times 0$ | OX |  |  | $0 \times$ | OXO | OXO |  | $\times \mathrm{OX}$ | $\times 0$ |  | 48.00 |
| 47.00 |  |  | OX |  |  | X | $\times$ A |  |  | OX |  |  | $0 \times$ | OX | $0 \times$ | OX |  |  | cx | OXO | OX | $\bigcirc$ | O | $\times 0$ |  | -47.00 |
| 46.00 |  |  | OX | 2 |  | $\times \times$ | $x$ |  |  | OX |  |  | $0 \times$ | OX | OXO | OX |  |  | $0 \times 0$ | 0 | OX |  |  | >0 |  | 46.00 |
| 45.00 |  |  | OX | \%ox |  | $\times 4 \times$ |  |  |  | $\bigcirc$ |  |  | $0 \times$ |  | $0 \times 0$ |  |  |  | 0/ |  | OX |  |  | ¢0 |  | 45.00 |
| 44.00 |  | 1 | 0 | OX | OX | $\times 07$ |  |  |  |  |  |  | OX |  | OX |  |  |  | 1 |  | $\bigcirc$ |  | O | xox |  | -r44.51 |
| 43.00 |  | $x$ |  | OX | O 3 | $30 \times$ |  |  |  |  |  |  | OX |  | OX |  |  |  |  |  |  |  |  | xox |  | 43.00 |
| 42.00 |  | $x$ |  | $\bigcirc$ | $\bigcirc$ | OX |  |  |  |  |  |  | OX |  | OX |  |  |  |  |  |  |  | $\bigcirc$ | OX |  | 42.00 |
| 41.00 |  | $x$ |  |  |  | $5 \times$ | X |  |  |  |  |  | OX |  | $\bigcirc$ |  |  |  |  |  |  |  |  | OX |  | -41.00 |
| 40.00 |  | $x$ |  |  |  | $6 \times$ | X |  |  |  |  |  | OX |  |  |  |  |  |  |  |  |  |  | OX |  | I 40.00 |
| 39.00 |  | $x$ |  |  |  | OX | X |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  | $\bigcirc 1$ |  | 39.00 |
| 38.00 |  | $c$ |  |  |  | OX | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ |  | 38.00 |
| 37.00 |  | $x$ |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -37.00 |
| 36.00 |  | $x$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 36.00 |
| 35.00 |  | $x$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -35.00 |
| 34.00 |  | 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -34.00 |
| 33.00 |  | 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 33.00 |
| 32.00 |  | $x$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 32.00 |
| 31.00 |  | $x$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -31.00 |
| 30.00 |  | $x$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 30.00 |
| 29.00 |  | $x$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 29.00 |
| 28.00 |  | $x$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 28.00 |
| 27.00 | $\bigcirc$ | $x$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -27.00 |
| 26.00 |  | $x$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 26.00 |
| 25.00 | $8 \times$ | ${ }^{x}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 25.00 |
| 24.00 | OX | $C X$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 24.00 |
| 23.00 | A | O 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 23.00 |
| 22.00 | OX | $0 \times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 22.00 |
| 21.00 | OX | OX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 21.00 |
| 20.00 |  | $2 X$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 20.00 |
| 19.50 |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 19.50 |
| 19.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 19.00 |

## In summary:

1. There is a simple, precise, little-used indicator, of most market - Point-and-Figure Chart.
2. ETFs are my investment vehicle of choice.
3. My Model Portfolio (8 markets) is a near match to "The Perfect Investment".
4. I monitor three charts with each segment of the portfolio:
A. The Index
B. The ETF
C. The Inverse ETF
5. I must have confirmation with ALL THREE to reverse my position
6. Following this methodology, my annualized rate of return for the five years, 2012 thru 2016 was $21.6 \%$
