

Business Cycle Index 9-1-2016:

The BCI at 210.8 is up from last week's 210.2, continuing forming a new high for this Business Cycle indicated by the BCIP at 100.0. Also, the 6-month smoothed annualized growth BCIG at 15.9 is also up from last week's 15.7.

No recession is signaled.

Summary 9-2-2016:

The MAC-US and is invested. Also, both the "3-mo Hi-Lo Index of the S&P500" and the "VMNFX vs. SPY Timer" are invested in the markets. The MAC-AU is also invested. The monthly update S&P500 Coppock indicator entered the markets in May. The recession indicators COMP and iM-BCIG do not signal a recession. The bond market model avoids high beta (long) bonds; the trend of the yield spread is indeterminate. The gold model is invested and the silver model exited the market on June 24.

Stock-market:

The [MAC-US](#) model generated a buy-signal 4/5/2016 and thus is invested in the stock-markets. The sell-spread is above last week's level and has to fall below zero to signal a sell.

The [3-mo Hi-Lo Index](#) of the S&P500, is below last week's level and at 10.43 and above the sell trigger of 5.0, it still invested in the market after it generated a buy signal on 3/23/2016.

The [VMNFX vs. SPY Timer](#) signaled an entry into the stock markets on 3/28/2016. For this model to exit the markets the indicator has to rise above the 2% trigger line.

The MAC-AU model is invested in the markets after it generated a buy signal on March 21, 2016. The sell-spread is above last week's level and has to fall below zero to signal a sell. This model and its application is described in [MAC-Australia: A Moving Average Crossover System for Superannuation Asset Allocations](#)

Recession:

Fig. 3 shows the COMP is near last week's level, and does not signaling a recession. COMP can be used for stock market exit timing as discussed in this article [The Use of Recession Indicators in Stock Market Timing](#).

Fig. 3.1 shows recession indicator iM-BCIG above last week's level. An imminent recession is not signaled.

Fig 3.2: The Forward Rate Ratio between the 2-year and 10-year U.S. Treasury yields (FRR2-10) is below last week's level and far away from signaling a recession.

A description of this indicator can be [found here](#).

Bond-market:

The [BVR-model](#) avoids high beta bonds (long-bonds) and also intermediate duration bonds. The Bond Value Ratio is shown in Fig 4. The BVR is near last week's level. According to the model, only when BVR turns upward after having been lower than the lower offset-line should one consider long bonds again. It would appear that [BVR has peaked](#) end of January 2015.

The Yield Curve:

The [yield curve model](#) indicates the trend of the 10-year and 2-year Treasuries yield spread. Figure 5 charts (i10 – i2) which declined over the last year, which declined over the last year, was temporary halted, and now continues its downward trend. FLAT and STPP are ETNs. STPP profits from a steepening yield curve and FLAT increases in value when the yield curve flattens. This model confirms the direction of the BVR.

Gold:

The modified Coppock Gold indicator is shown in Fig 6. This model generated a buy signal last week and is invested. This indicator is described in [Is it Time to Buy Gold Again? - Wait for the buy signal](#)

The **iM GOLD-TIMER** is shown in Fig. 6.1, it is invested in gold. This indicator is described in our article: [The iM Gold-Timer](#)

Silver:

The modified Coppock Silver indicator shown in Fig 7 and exited the market on June 24, 2016, as the holding period since the last buy has expired. This indicator is described in [Silver - Better Than Gold: A Modified Coppock Indicator for Silver](#).

Monthly Update Summary 9-2-2016: (next update 10/7/2016)

Unemployment

The unemployment rate recession model ([article link](#)), has been updated with the August UER of 4.9%. Based on the historic patterns of the unemployment rate indicators prior to recessions one can reasonably conclude that the U.S. economy is not likely to go into recession anytime soon.

The Dynamic Linearly Detrended Enhanced Aggregate Spread:

The latest DAGS level of 25 (last month 24) is above the recession warning trigger line, indicating that it is unlikely for a recession to start during the next 9 months.

However should this downward trend continue then, according to this indicator, a recession could be expected to begin after June-2017.

Coppock Indicator for the S&P500

The Coppock indicator for the S&P500 generated a buy signal on May 19, 2016. This model is now in the market. This indicator is described here.

This indicator is described [here](#) .

Trade Weighted USD

The TW\$ value has steadied and the 6 month moving average trend is still falling.

TIAA Real Estate Account

As of end of August 2016 the 1-year rolling return is 6.16%. The Vanguard REIT Index Fund has retreated from the all-time high; however, the good positive returns of TIAA Real Estate Account are expected to continue. A sell signal is not imminent.

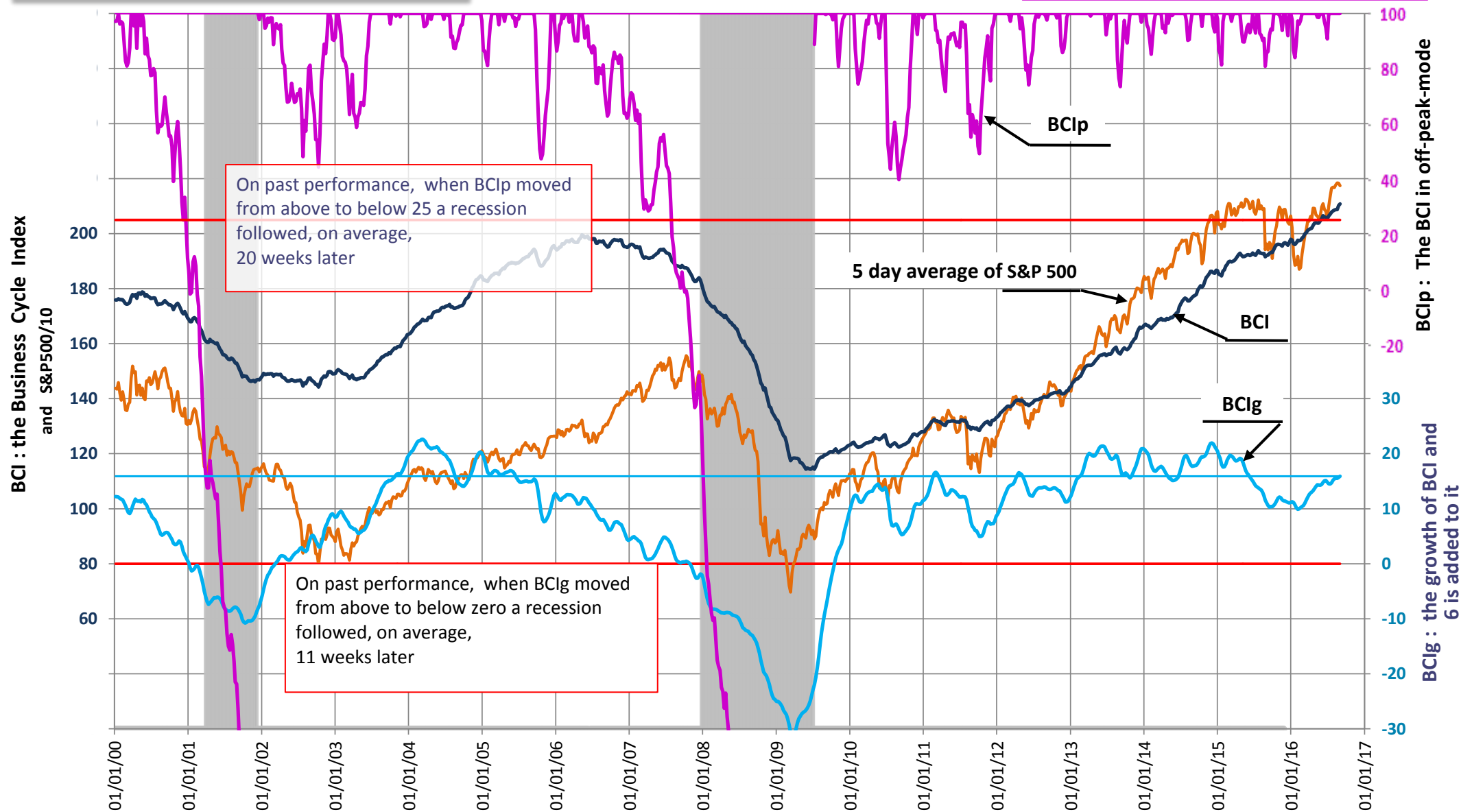
[Read more ...](#)

iM's Business Cycle Index (BCI)

| Date | 08/04 | 08/11 | 08/18 | 08/25 | 09/01 |
|------|-------|-------|-------|-------|--------------|
| BCIp | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| BCI | 208.5 | 208.7 | 208.7 | 210.2 | 210.8 |
| BCIg | 15.4 | 15.6 | 15.5 | 15.7 | 15.9 |

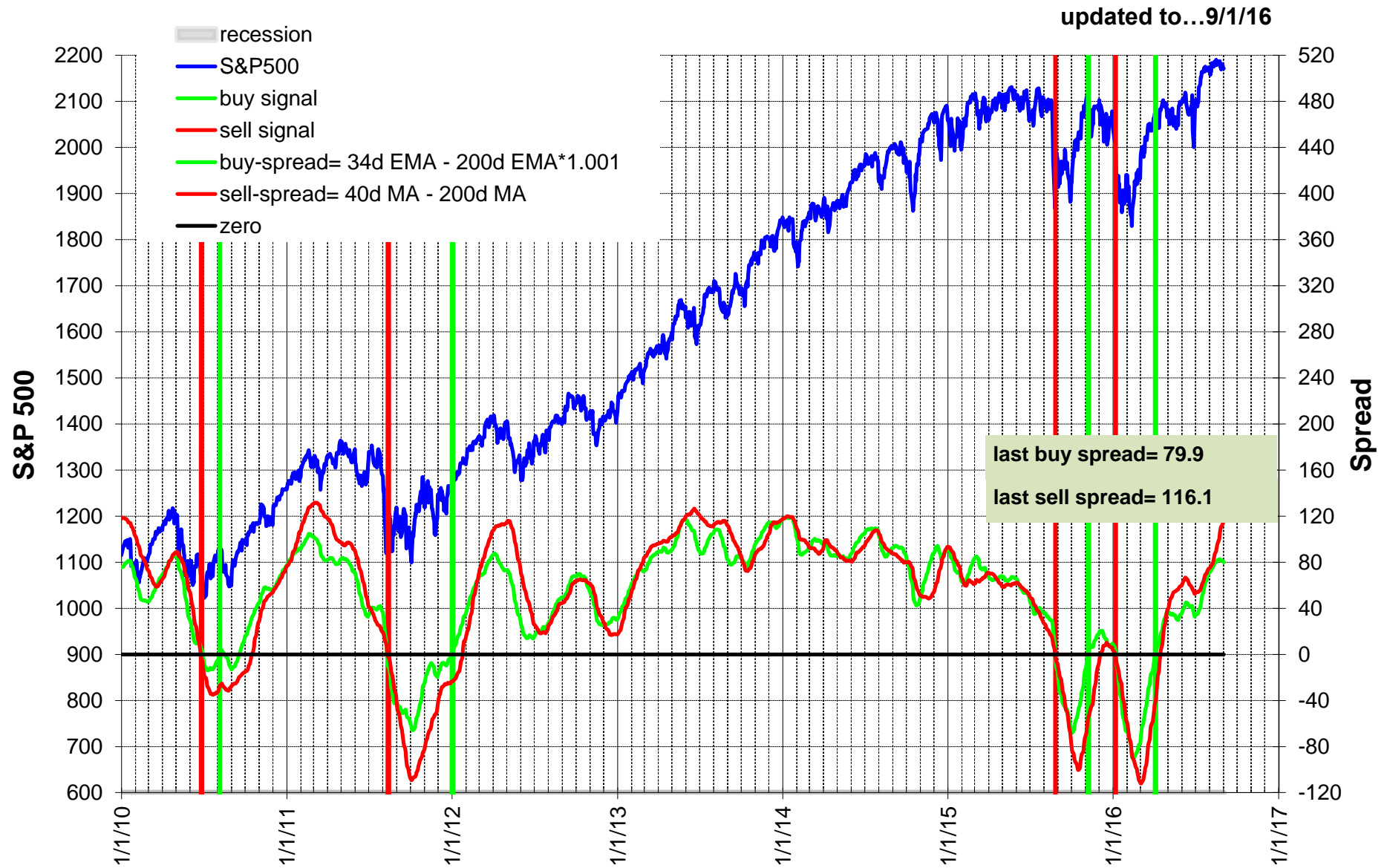
BCIp, BCI and BCIG
updated to September 01, 2016

On past performance, BCIp = 100 can be interpreted as an average one year "time-to-live" to a recession.



Please note: Past performance does not guarantee future returns, investments may increase or decrease in value and you may lose money using this model.

Figure 2: Buy and Sell signals for S&P 500 2010-16
from the modified golden-cross MAC-System



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iM imarketsignals.com



**Fig 2.1: Buy and Sell signals for the Australia All Ordinaries Index
from the MAC-AU System**

updated to Sep-2-16
last sell spread= 316.4

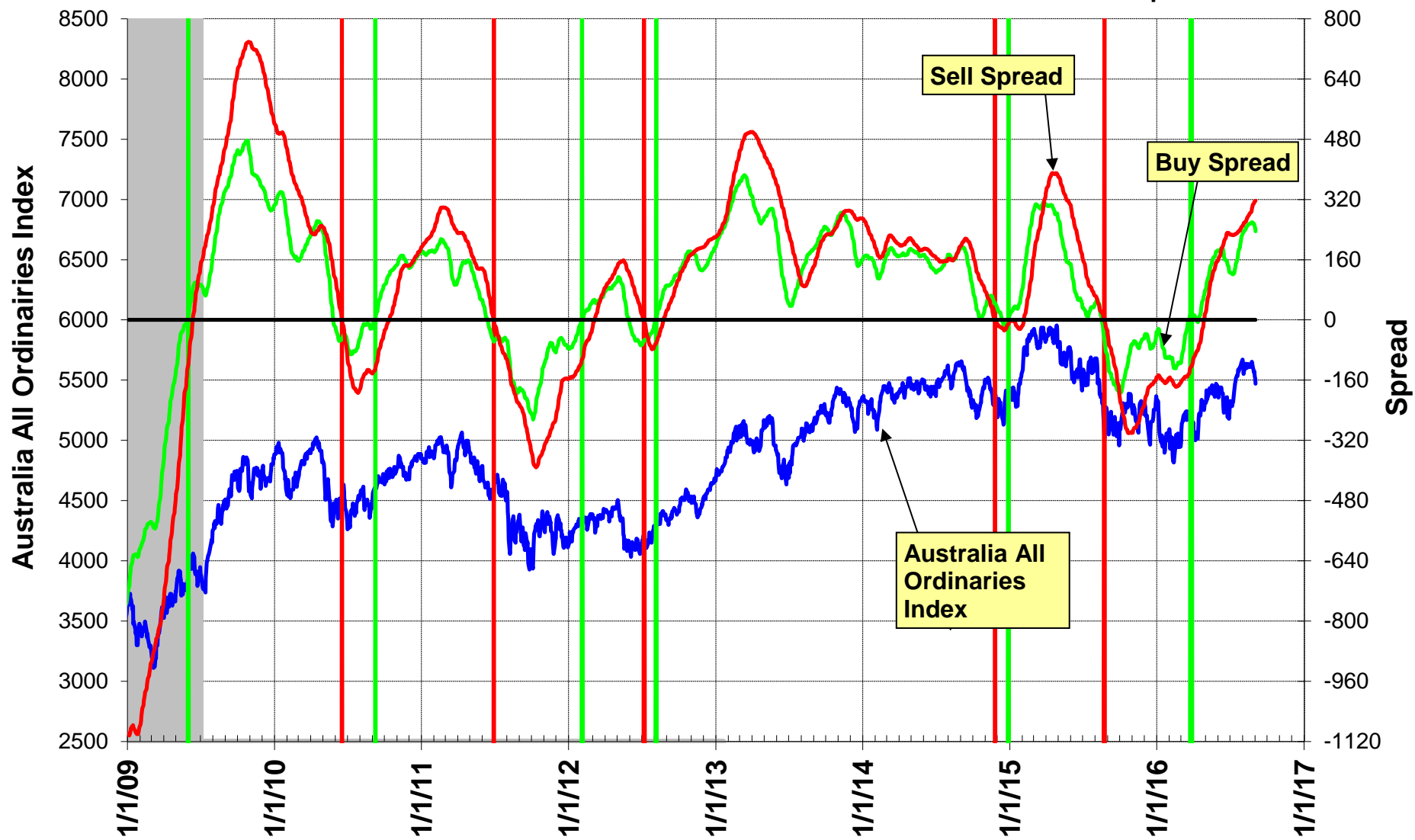
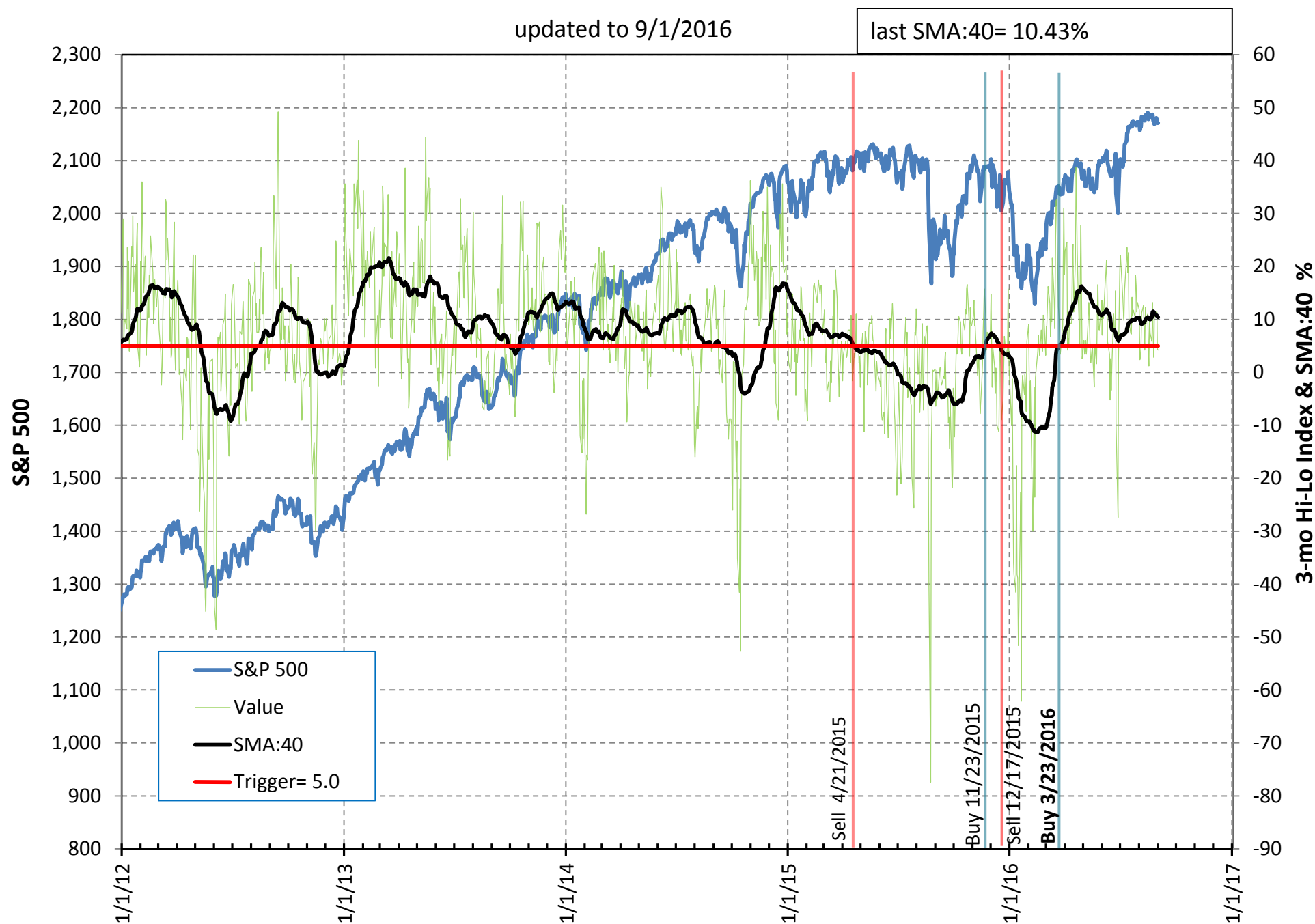


Fig 2.2 3-mo Hi-Lo Index of the S&P500 & 40-day SMA of Index



Market Timer based on Performance of Vanguard Market Neutral Fund VMNFX vs. SPY

updated to 8/29/2016

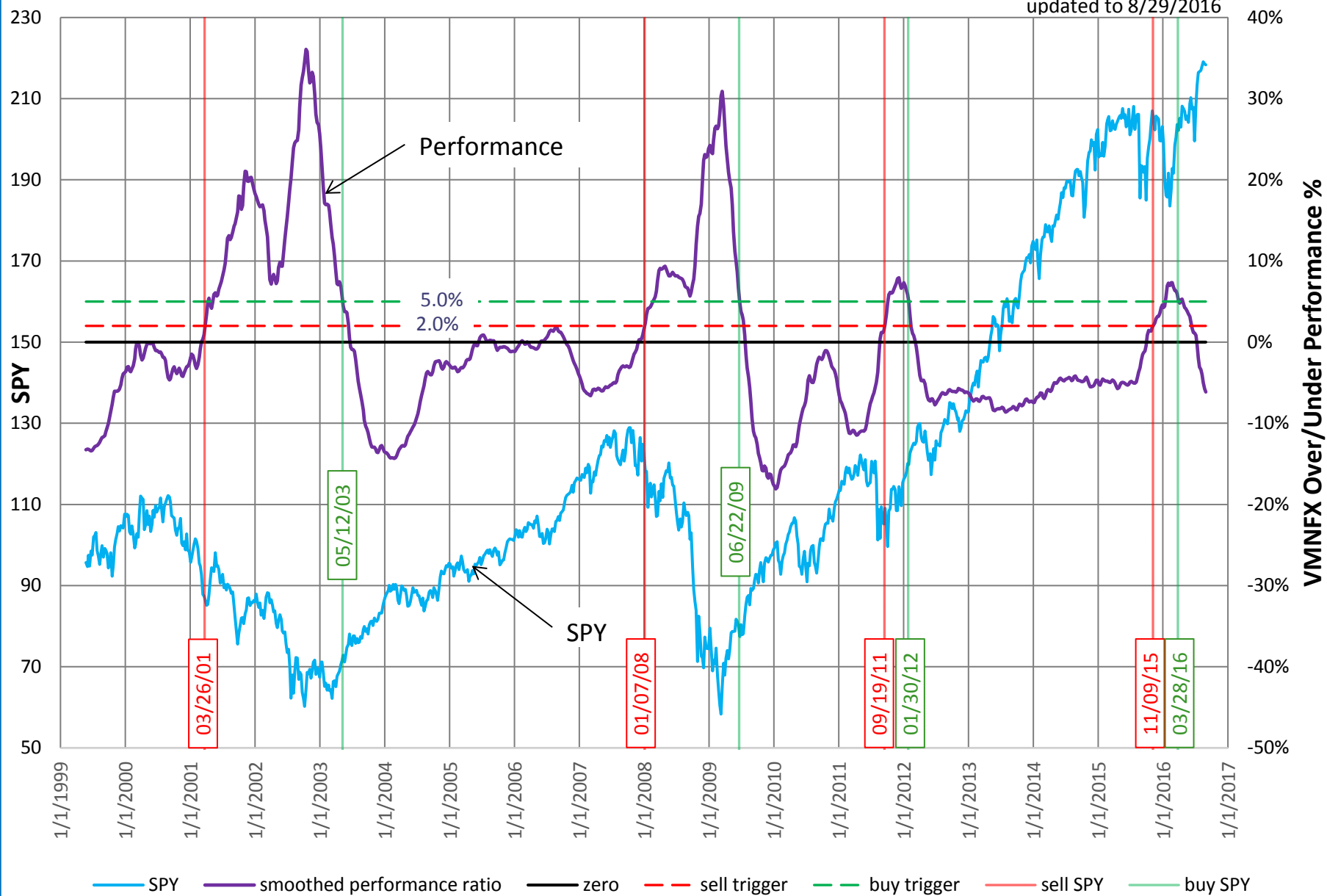


Fig. 3: COMP Leading Indicator of US Economy 1969-2016

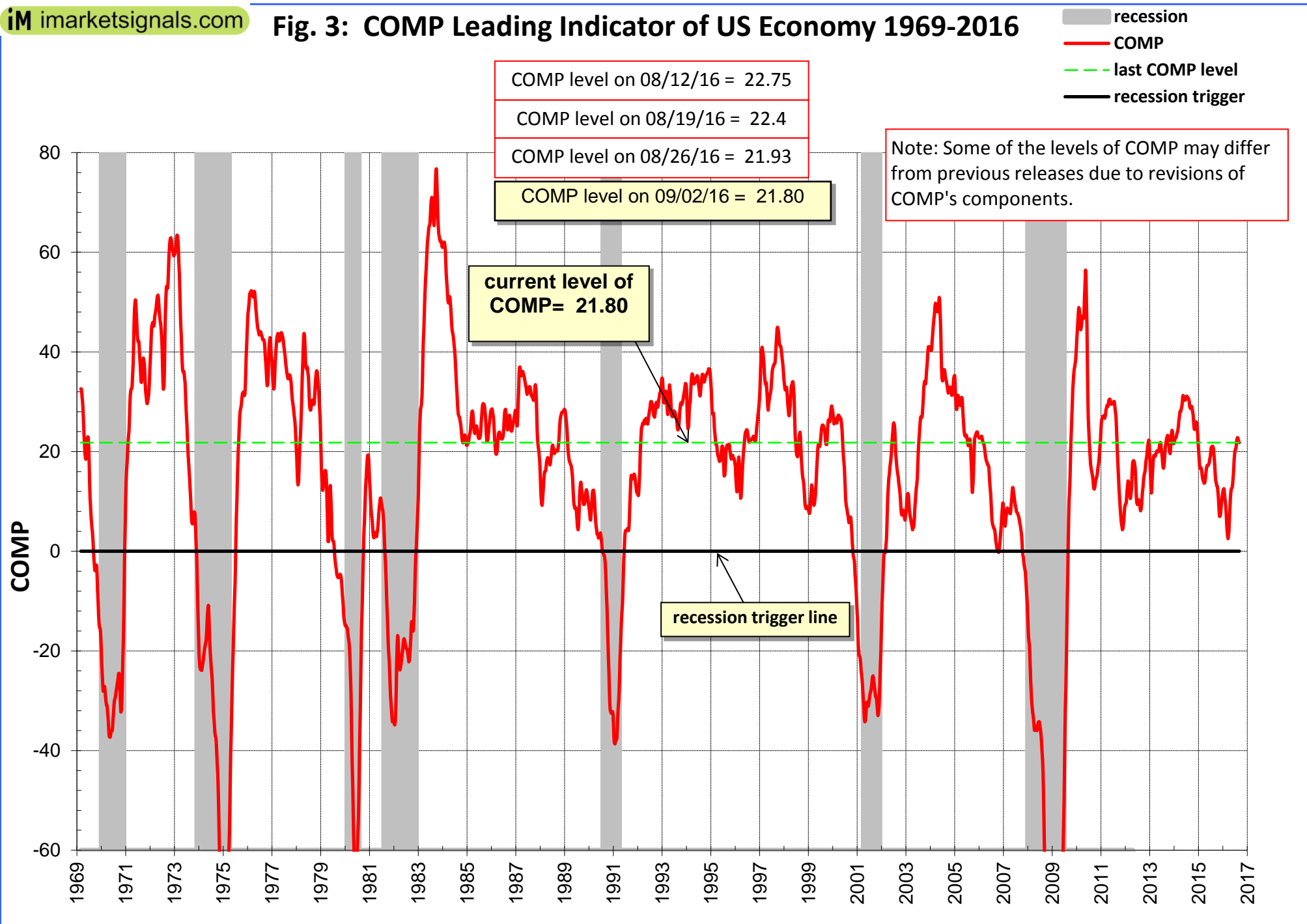


Fig 3.1: iM-BCIg 1969-2016

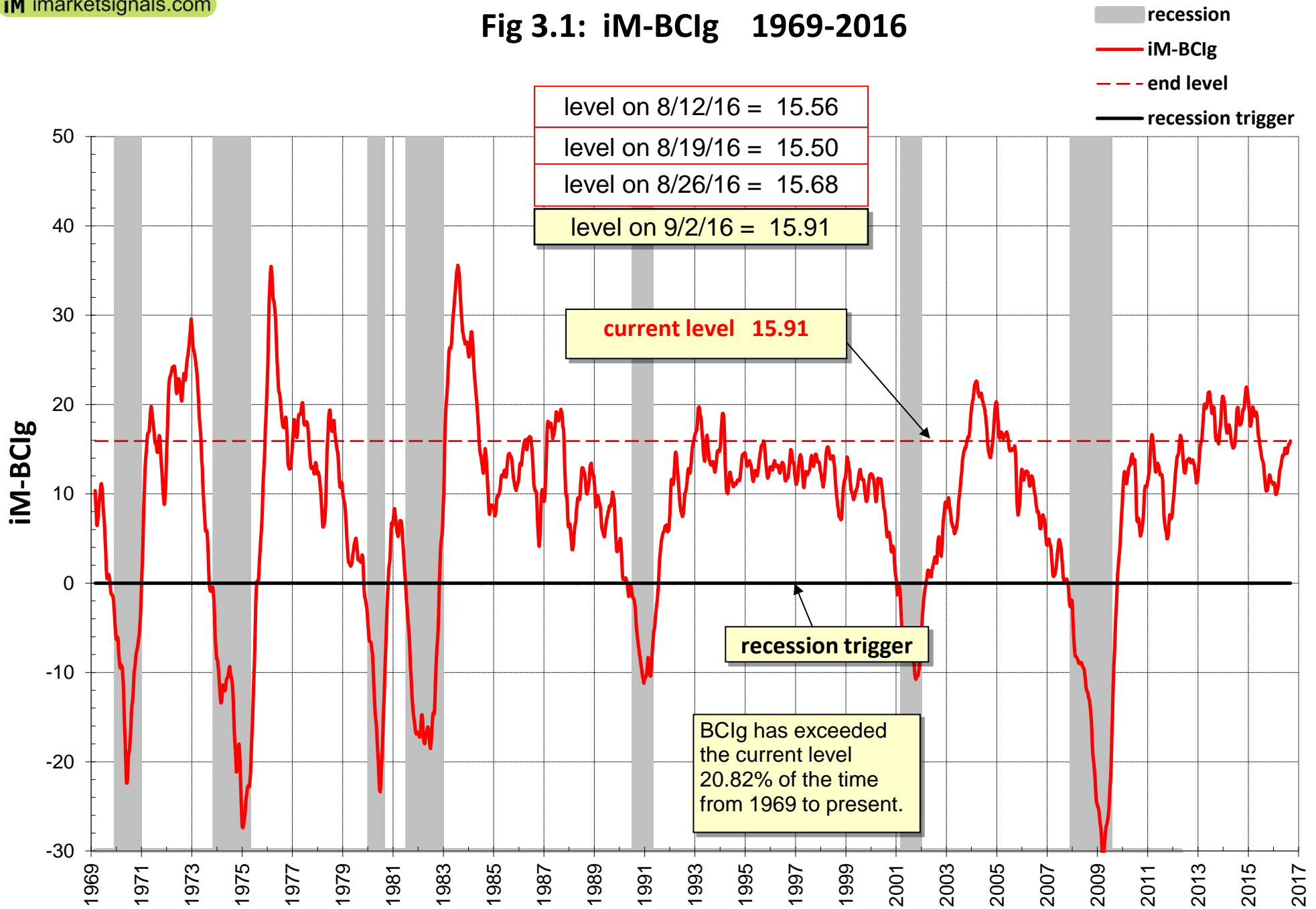


Figure 3.2: Forward Rate Ratio FRR2-10 - leads to Recessions

FRR2-10 is the ratio of the rate at which one can lock in borrowing for the eight year period starting two years from now, and the ten-year rate itself.

The FRR2-10 is indicative of the slope of the yield curve between the two-year and the ten-year note yields; a FRR2-10 greater than 1.00 indicates a positively sloped yield curve (ten-year note yields are higher than two-year note yields); a FRR2-10 less than 1.00 indicates an inversion of the yield curve (two-year note yields are higher than ten-year note yields).

The last seven recessions were all preceded by a FRR2-10 less than 1.0

| Recessions start | Recessions end | Date when EMA of FRR2-10 less than 1.0 | Lead to Recession start (weeks) | Lead to Recession start (years) |
|------------------|----------------|--|---------------------------------|---------------------------------|
| Jan-70 | Nov-70 | 5/1/68 | 87 | 1.68 |
| Dec-73 | Mar-75 | 3/6/73 | 39 | 0.75 |
| Feb-80 | Jul-80 | 10/9/78 | 69 | 1.32 |
| Aug-81 | Nov-82 | 11/3/80 | 39 | 0.75 |
| Aug-90 | Mar-91 | 2/22/89 | 75 | 1.44 |
| Apr-01 | Nov-01 | 3/17/00 | 54 | 1.05 |
| Jan-08 | Jun-09 | 8/29/06 | 70 | 1.35 |

updated to 09/01/2016
EMA of FRR2-10 = 1.13

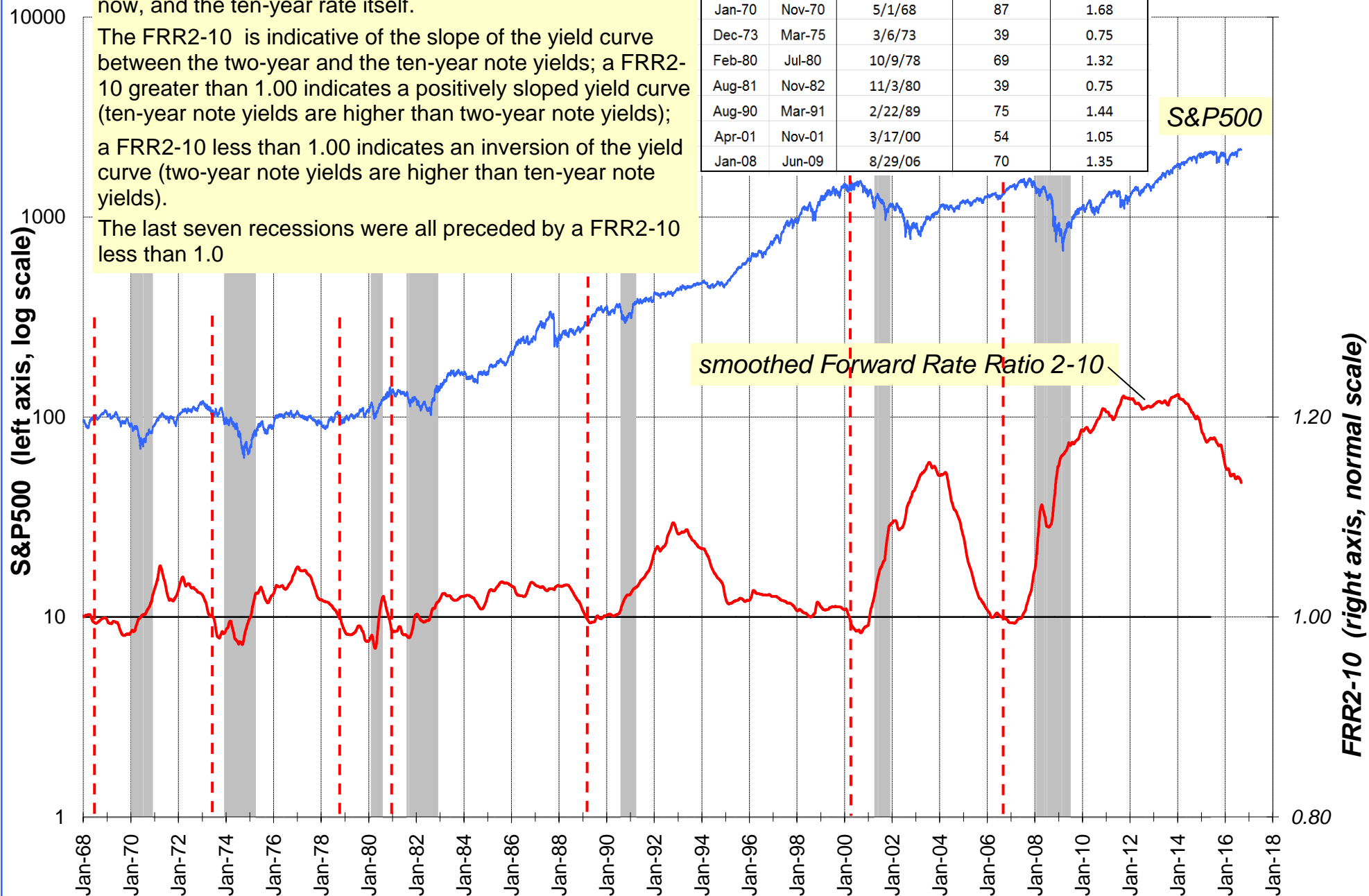


Figure 4: Bond Value Ratio (BVR) from 2005 to 2016

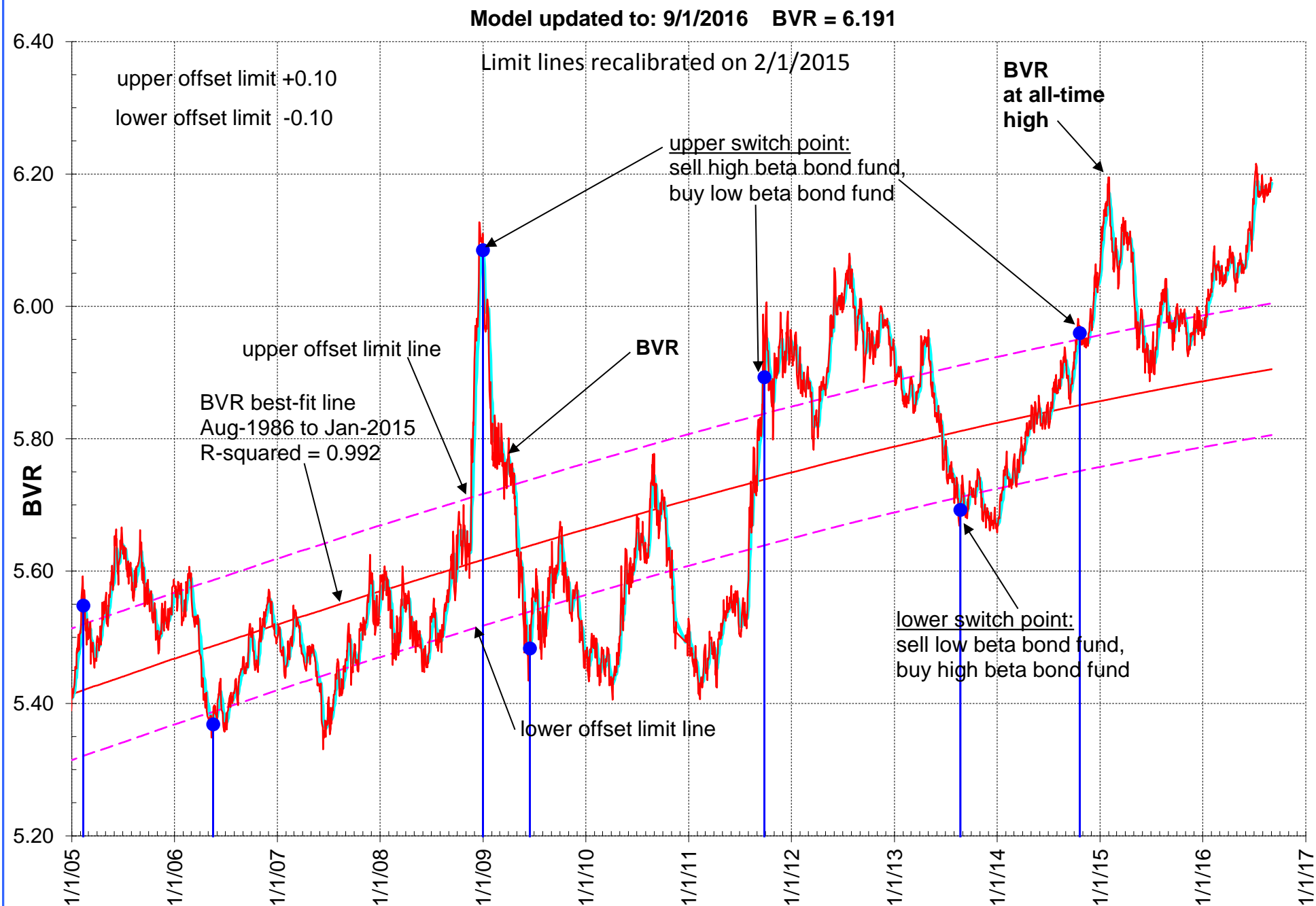


Figure 5: i10 - i2 Updated to.....9/1/16

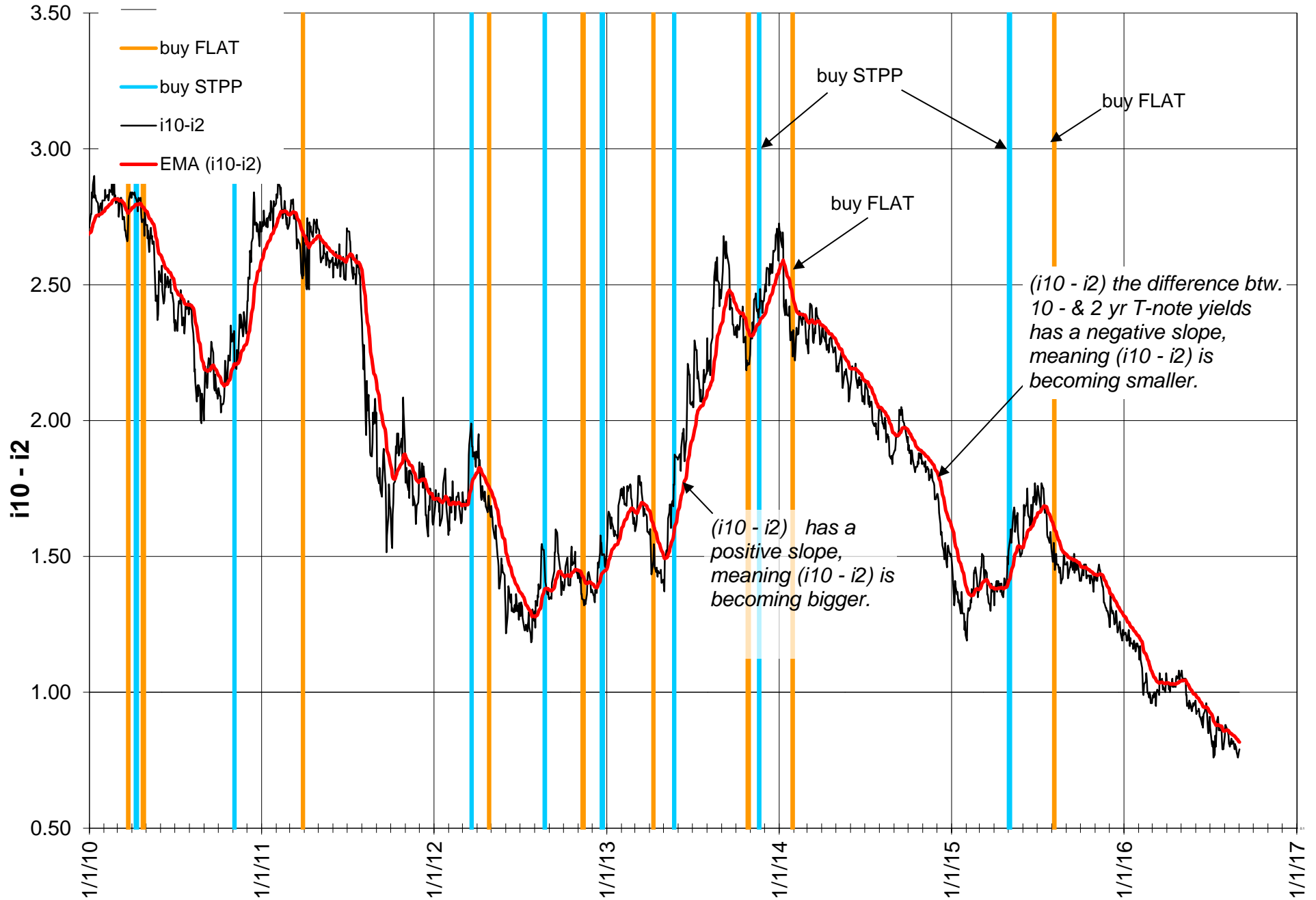


Figure 6: Modified Coppock Indicator for Gold 2009-2016

updated to 09/02/2016

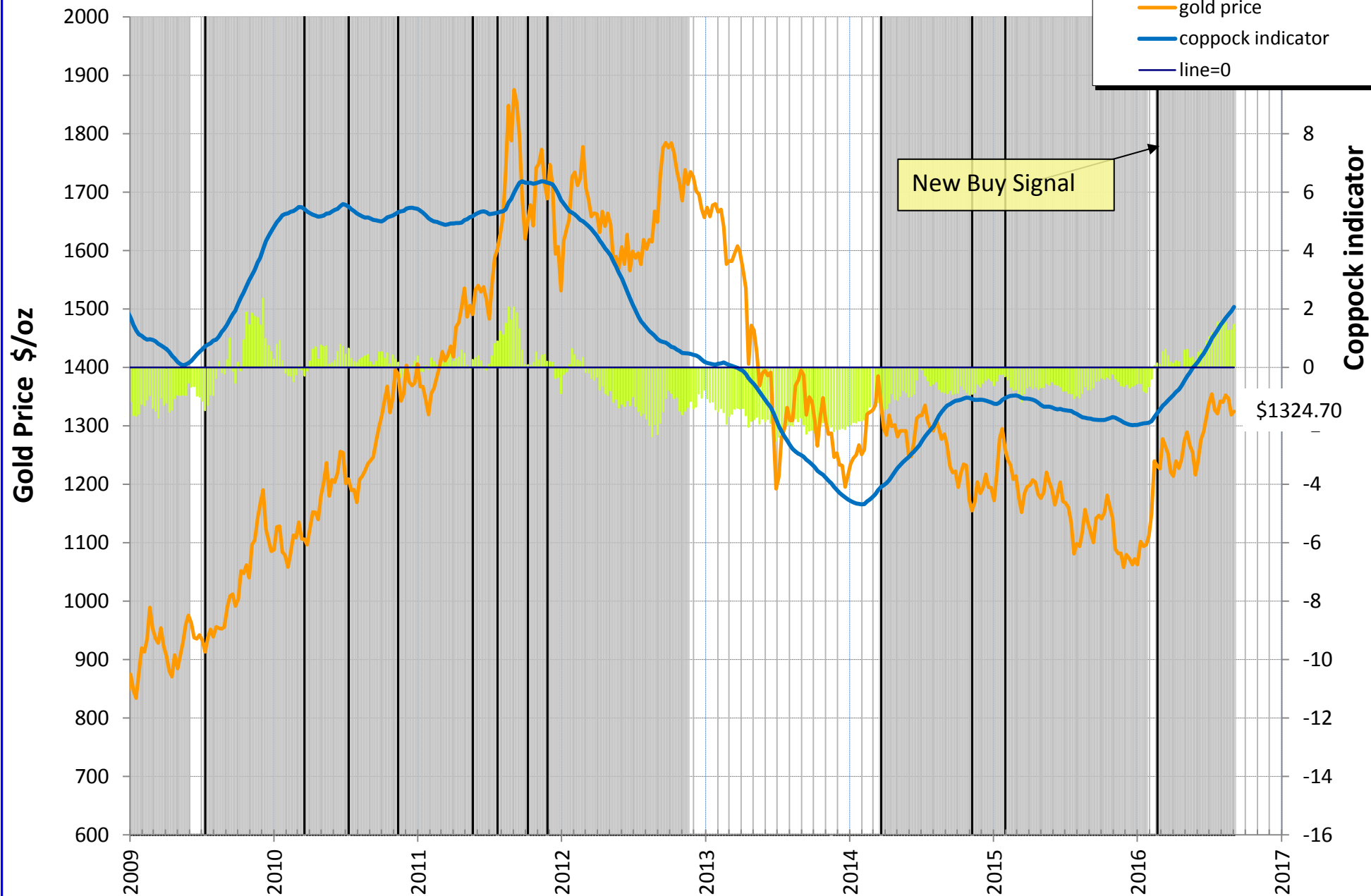


Fig. 6.1 iM GOLD-TIMER

Updated to: 9/1/2016

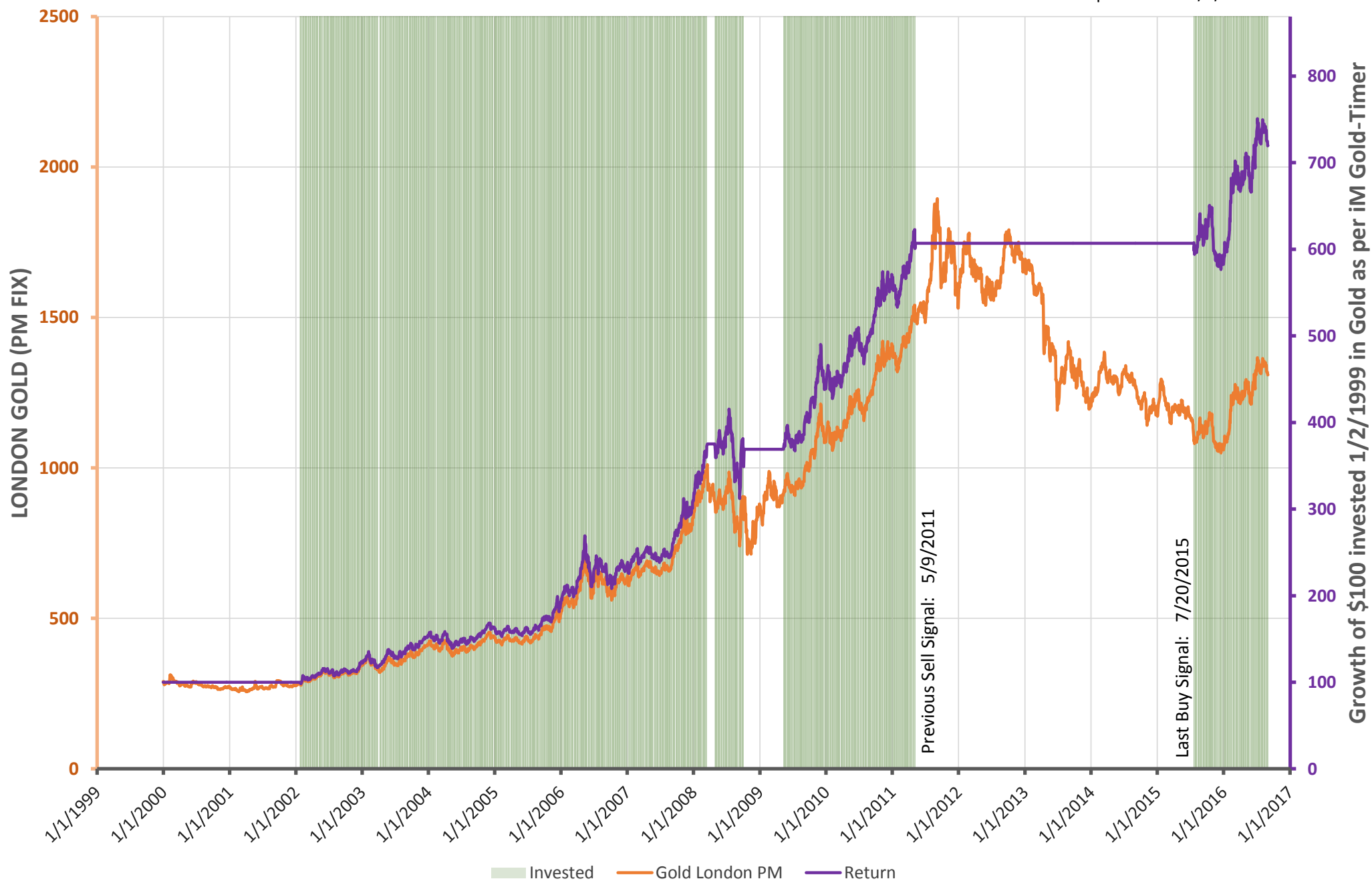


Figure 7: Modified Coppock Indicator for Silver 2009-2016

updated to 09/02/2016

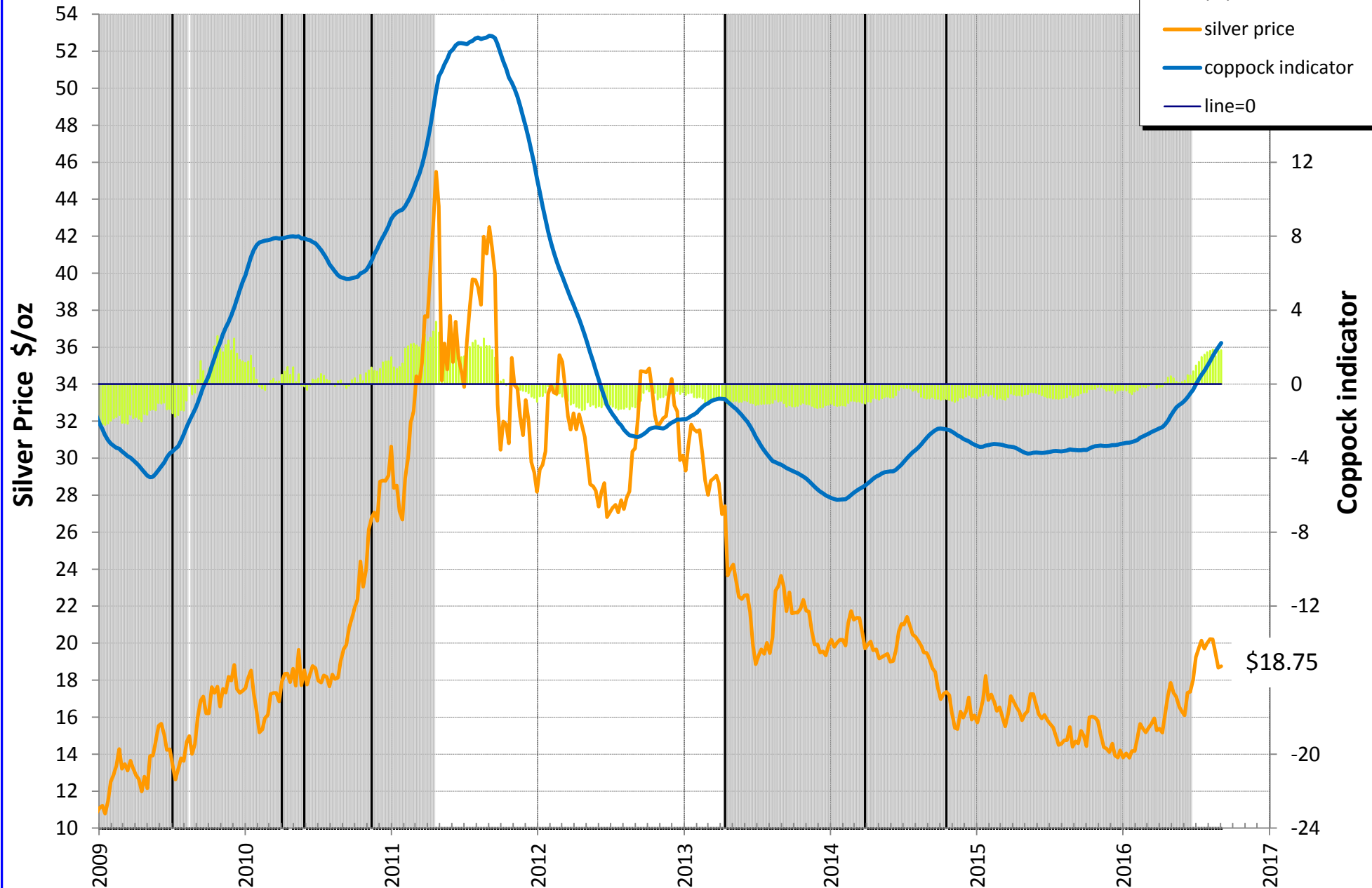


Fig-8 Unemployment Rate and Recessions (real-time) 2000-2016

Leads to recession starts and to recession ends are positive numbers in weeks, lags are negative numbers.

updated to 9-30-2016 with August UER= 4.9%

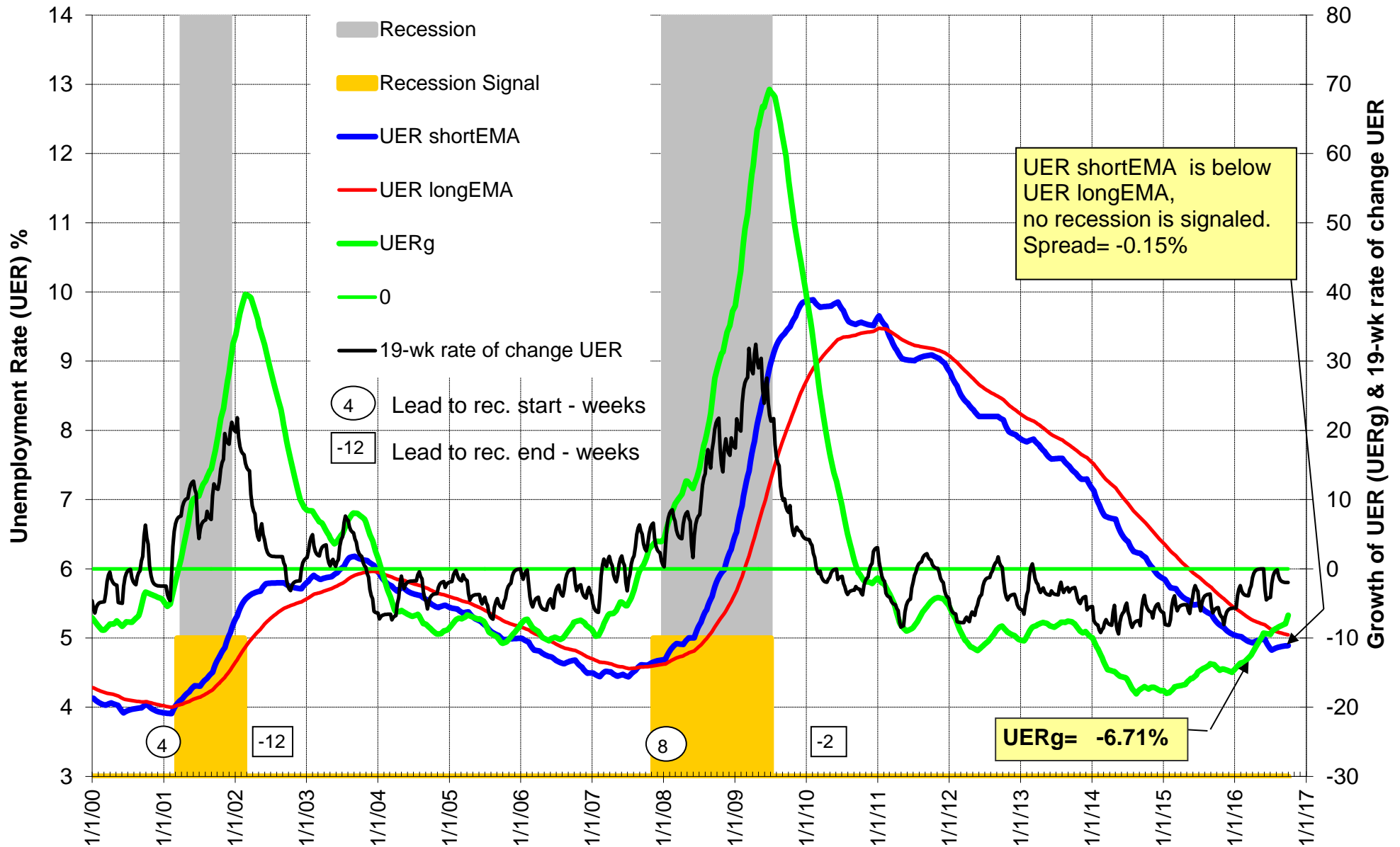
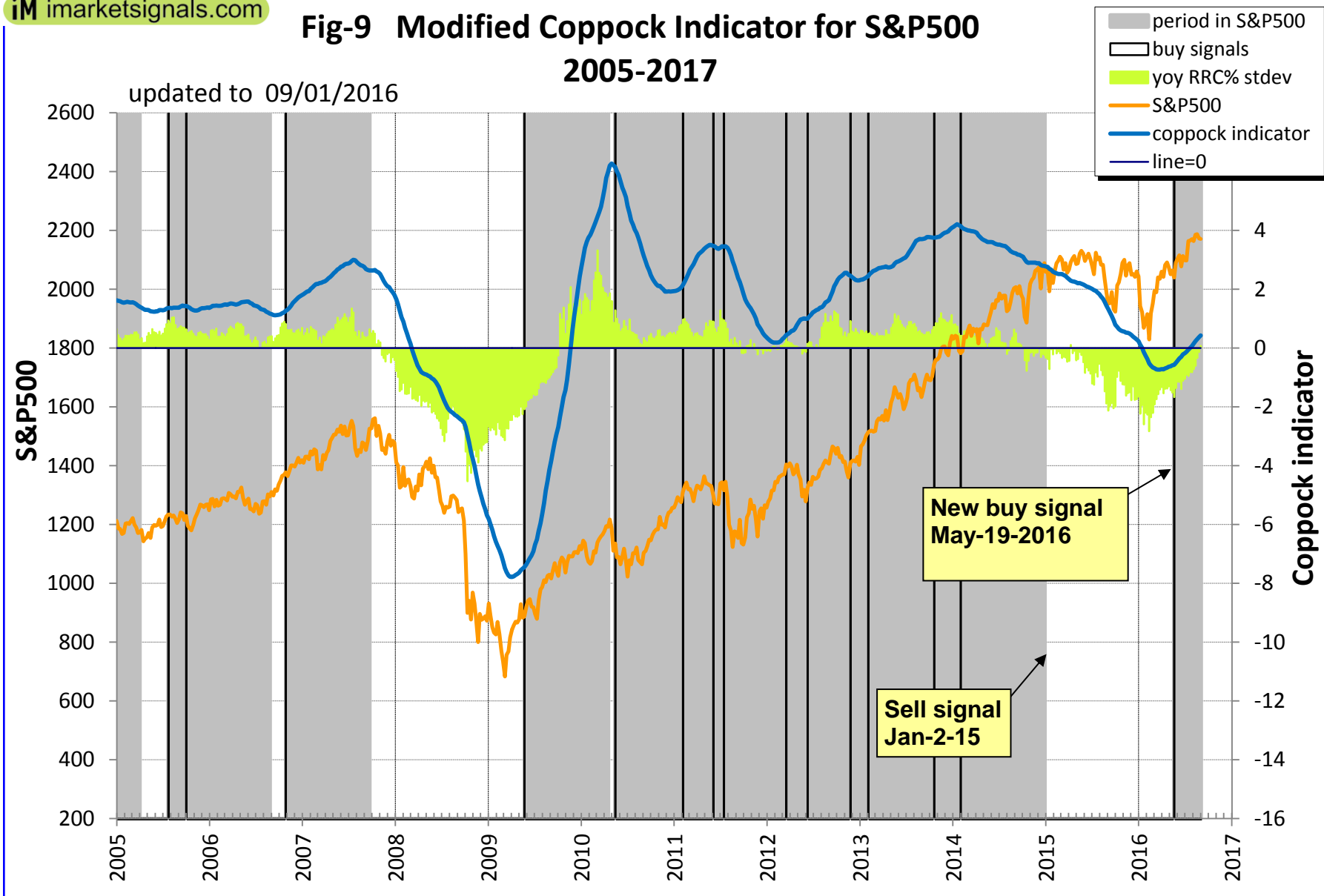


Fig-9 Modified Coppock Indicator for S&P500
2005-2017

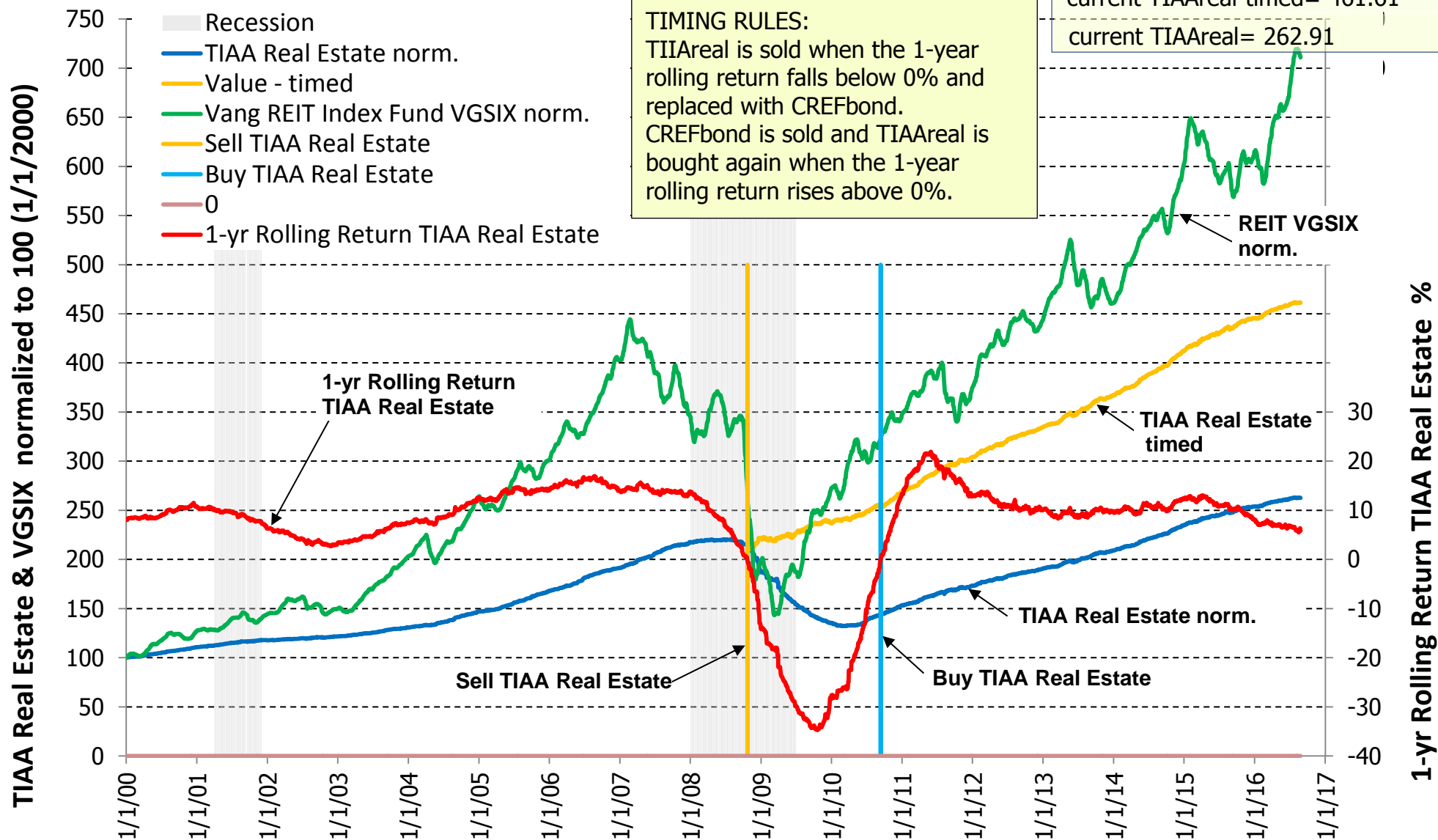


TIAA Real Estate Account vs. Vanguard REIT Index Fund (VGSIX) 2000 - 2016

updated to 8/31/16, TIAAreal current 1-year rolling return= 6.16%

current TIAAreal-timed= 461.61

current TIAAreal= 262.91

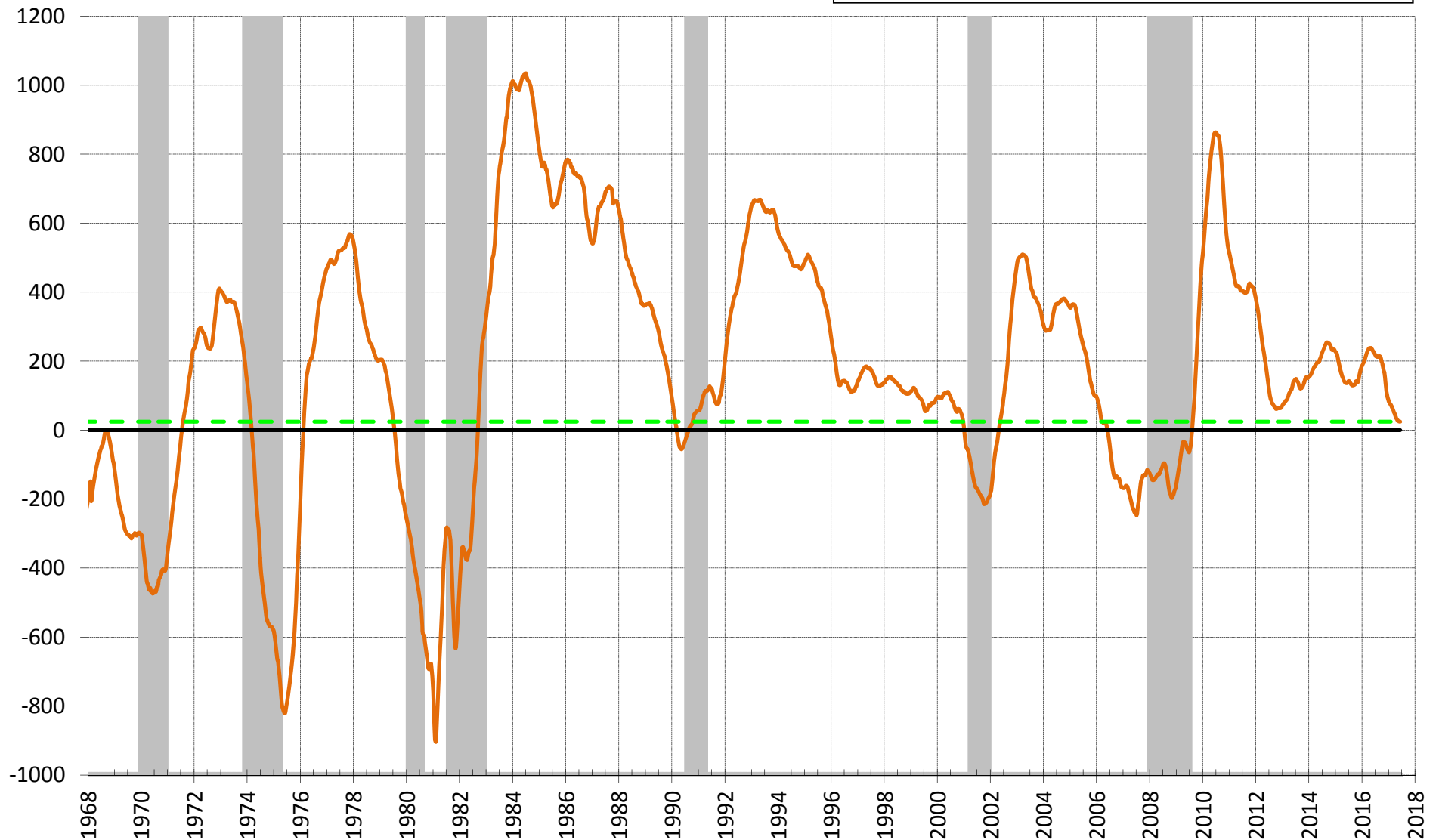


DAGS: Dynamic Linearly Detrended Enhanced Aggregate Spread shifted forward in time by 40 weeks

- recession
- DAGS
- recession trigger line
- last level of DAGS

no recession is signaled to June 2017

updated to September-2-2016, last level of DAGS = 25



Updated to Aug 25, 2016

Trade Weighted US Dollar and Interest Rates

