

January 30, 2020

Business Cycle Index

The BCI at 261.4 is up from last week's downward revised 260.7, and is below the previous high for this business cycle indicated by the BCIp of 96.6. However, the 6-month smoothed annualized growth BCIG at 9.3 is below last week's downward revised 9.4. Both BCIp and BCIG are not signaling a recession.

January 31, 2020

Market Signals Summary:

The MAC-US model, iM-Low Frequency Timer, and the S&P500 Coppock are invested in the markets, as is the "3-mo Hi-Lo Index of the S&P500" which entered the market on 10/22/2018. The MAC-AU is also invested in the markets. The recession indicators COMP and iM-BCIG do not signal a recession. The bond market model avoids high beta (long) bonds, and the yield curve is steepening. The gold Coppock remains invested in gold, however the silver model is in cash. The iM-Gold Timer is invested in gold since 1/21/2020

The monthly iM-Google Trend Timer is invested since 12/1/2019.

Stock-markets:

The [MAC-US](#) model switched into the markets on 2/26/2019. The sell-spread (red line) is above last week's value and needs to move below zero to generate a sell signal.

The [3-mo Hi-Lo Index](#) Index of the S&P500 is below last week's level at 13.75% (last 14.48%), and is invested in the stock market since 10/22/2019.

The Coppock indicator for the S&P500 entered the market on 5/9/2019 and is invested

The MAC-AU model is invested in the markets after signaling a buy on February 7, 2019. The sell-spread (red line) is above last week's value and needs to move below zero to generate a sell signal.

Recession:

The current level of iM-LLI is plus 4.31 and is below last week's 4.35, as indicated by the green dashed line in the figure. It is evident that the business cycle is near a cycle peak, in the "Boom" phase of the cycle, but a recession is not yet indicated. Therefore it is not likely, absent of a "black swan" event, that there will be a business cycle peak (recession start) during the next six months

Figure 3.1 shows the recession indicator iM-BCI_g below last week's level. An imminent recession is not signaled

The Forward Rate Ratio between the 2-year and 10-year U.S. Treasury yields (FRR2-10) is below last week's level and is not signaling a recession.

The iM-Low Frequency Timer is back in the markets since 1/22/2019.

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 above 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.

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) shows that the yield curve is below last weeks level. 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 shown in Fig 6. This model generated a new buy signal end March 2019 and is invested in gold.

The [iM GOLD-TIMER Rev-1](#) is invested in gold since 1/21/2020.

Silver:

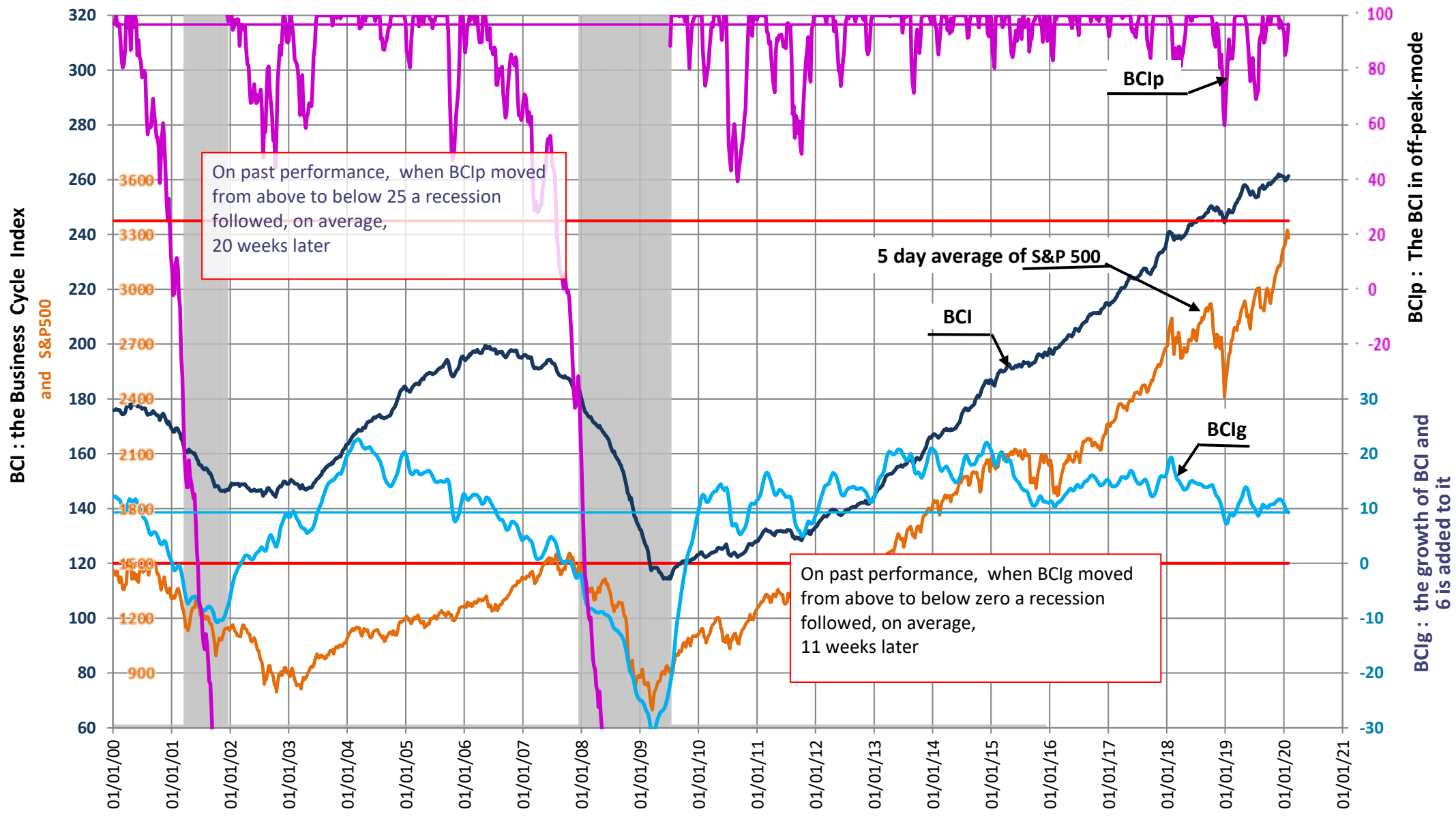
The modified Coppock Silver indicator shown in Fig 7. This model generated a sell signal early August 2018 and is in cash.

iM's Business Cycle Index (BCI)

Date	01/02	01/09	01/16	01/23	01/30
BCIp	93.8	85.5	87.1	92.1	96.6
BCI	261.0	259.7	259.9	260.7	261.4
BCIg	10.9	10.2	9.7	9.4	9.3

BCIp, BCI and BCIG
updated to January 30, 2020

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

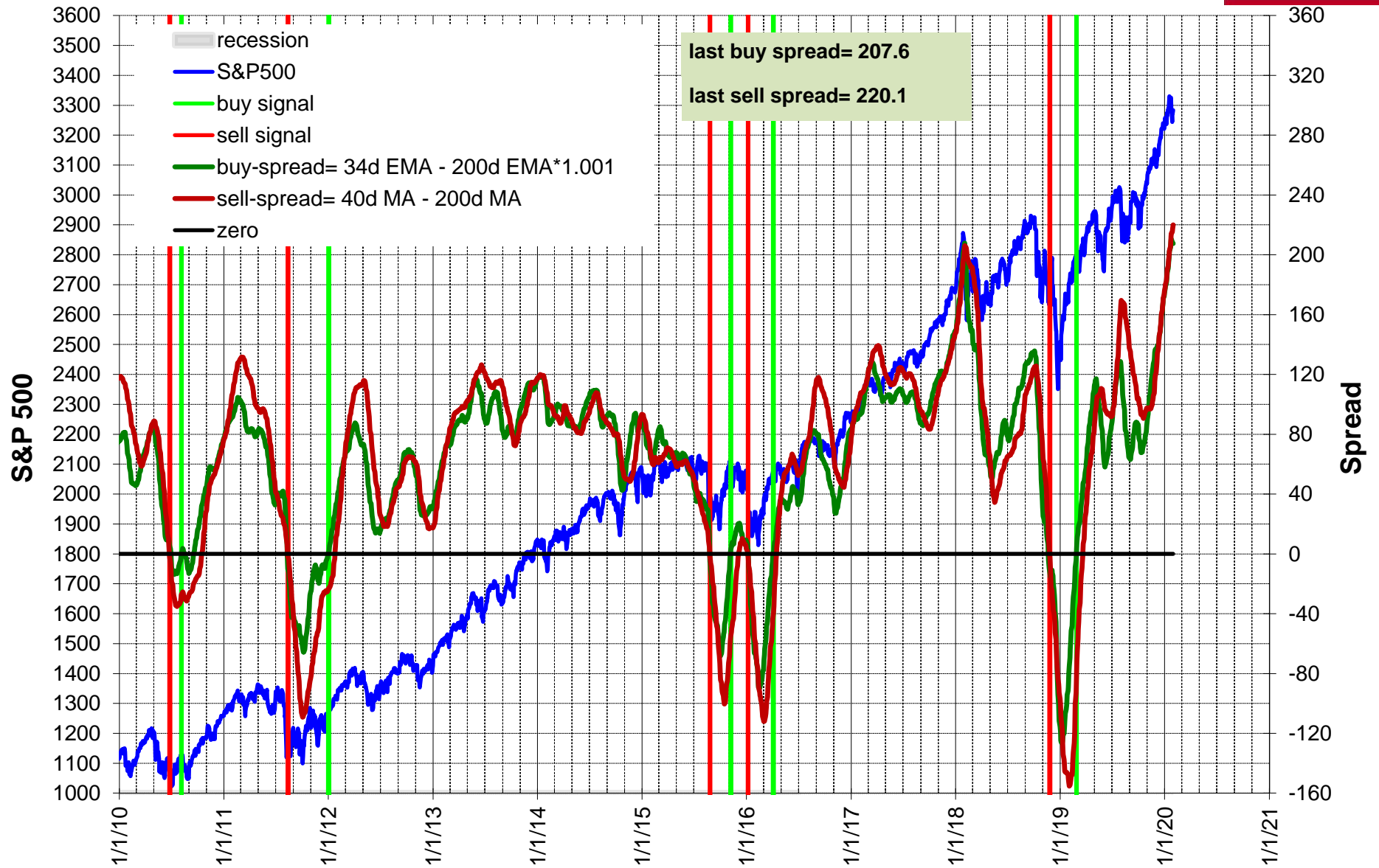


Please note: Past performance does not guarantee future returns, investments may increase or decrease in value and you may lose money using this model.

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



updated to... 1/30/20



last buy spread= 207.6
last sell spread= 220.1

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



updated to Jan-31-20
last sell spread= 298.7

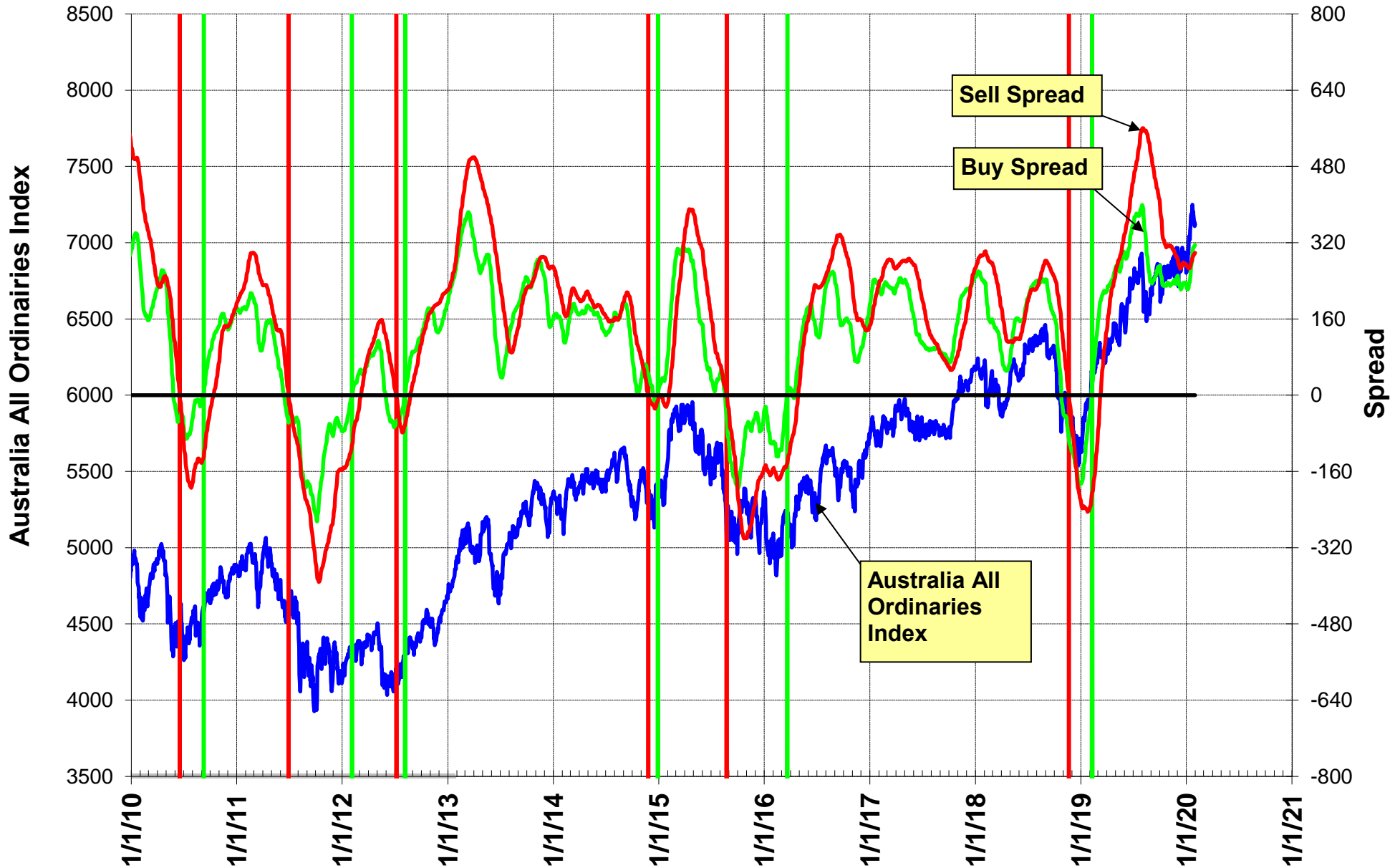


Fig 2.2 3-mo Hi-Lo Index of the S&P500 & 40-day SMA of Index

updated to 1/30/2020

last SMA:40= 13.74%

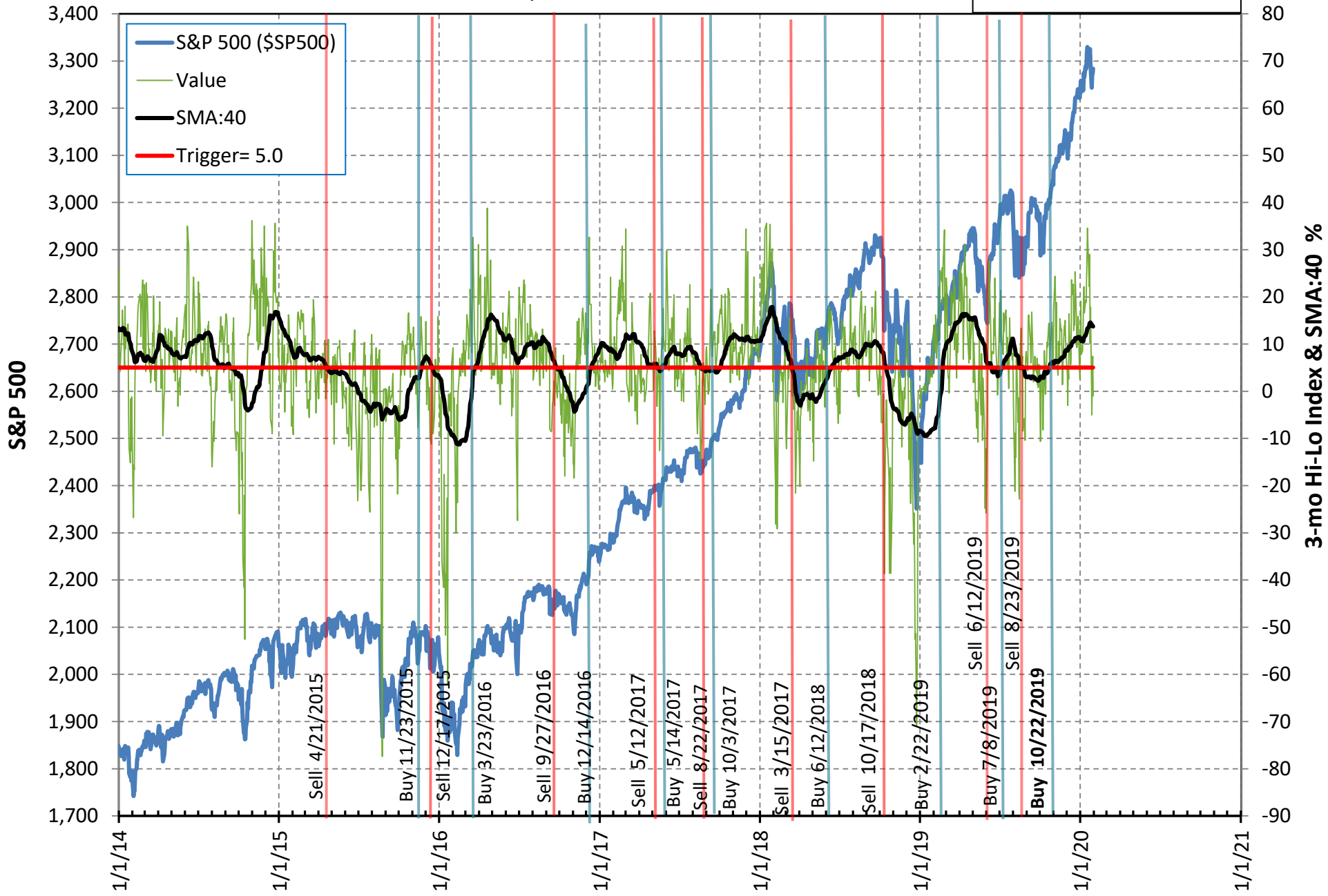


Fig-2.3 Modified Coppock Indicator for S&P500

updated to 01/30/2020

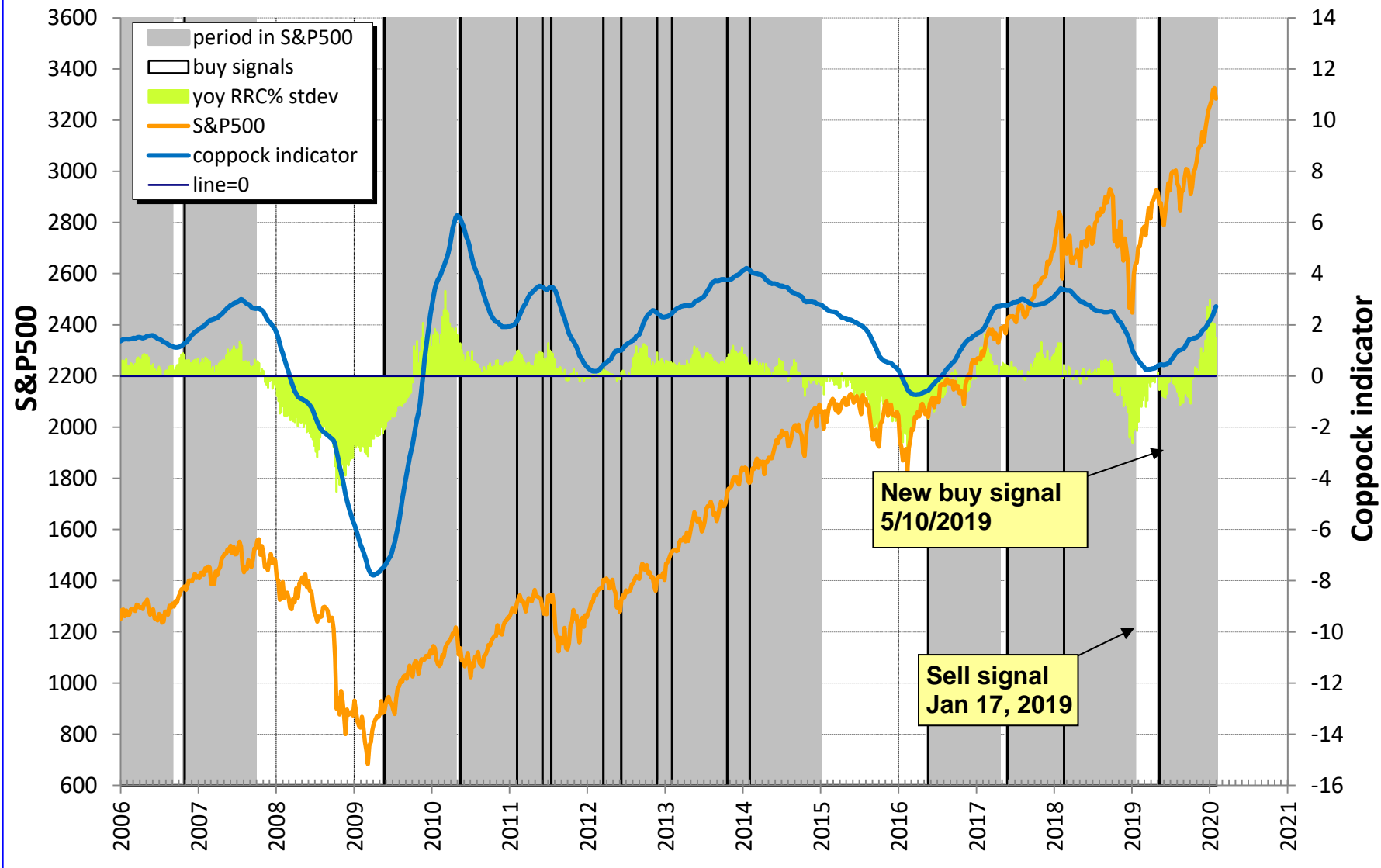


Figure-1: The iMarketSignals Long Leading Economic Index (iM-LLI)

max, min, & average leads to recessions
= 77, 18, & 36 weeks

iM-LLI level on 11/01/19 = 6.32
iM-LLI level on 12/06/19 = 4.78
iM-LLI level on 01/03/20 = 3.83

Note: Some of the levels of the iM-LLI may differ from previous releases due to revisions.

iM-LLI level on 1/31/2020 = 4.31

current level of
iM-LLI= 4.31

recession warning

recession
iM-LLI
last iM-LLI level
recession warning

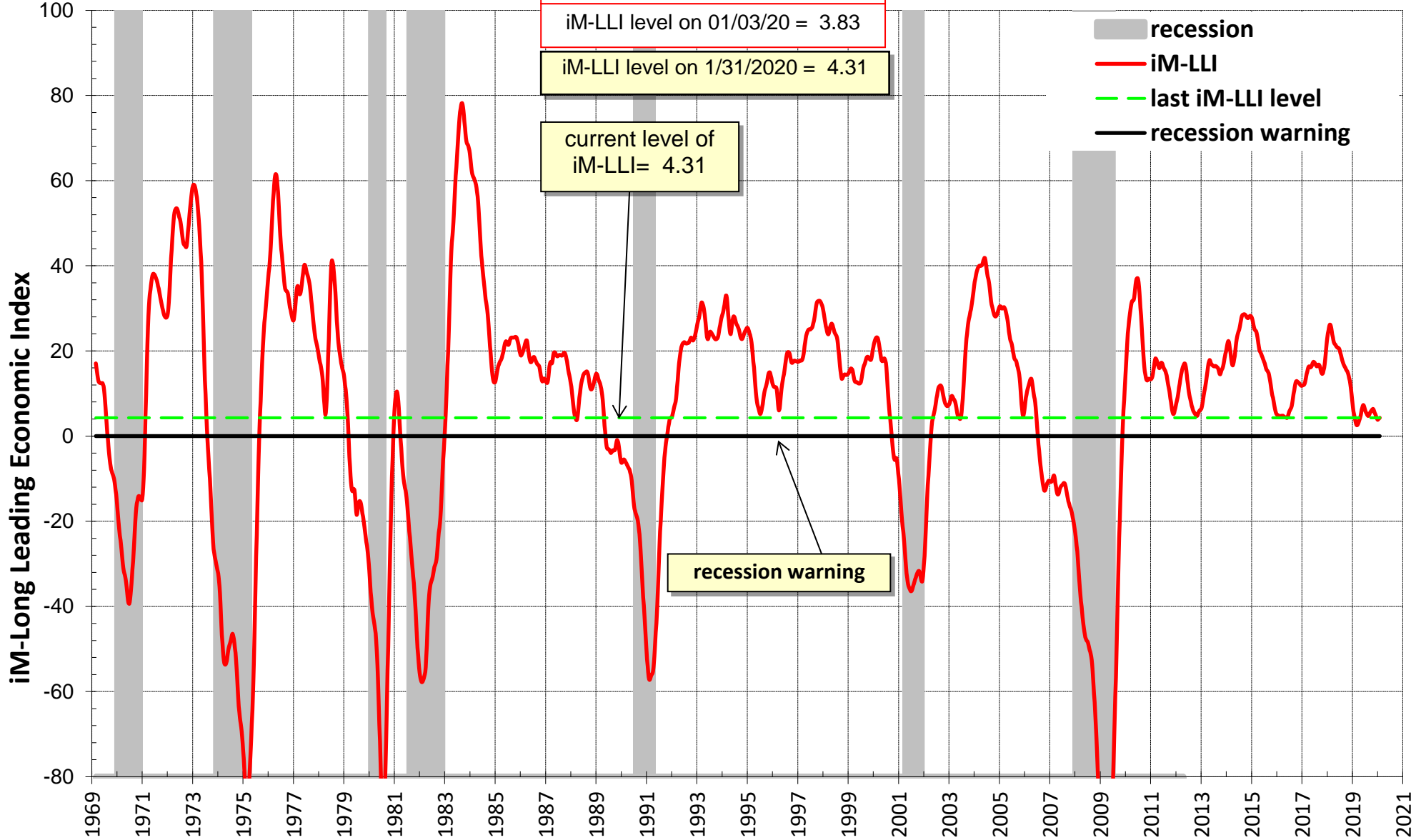


Fig 3.1: iM-BCI_g

level on 1/9/20 = 10.22
level on 1/16/20 = 9.71
level on 1/23/20 = 9.40
level on 1/30/20 = 9.29

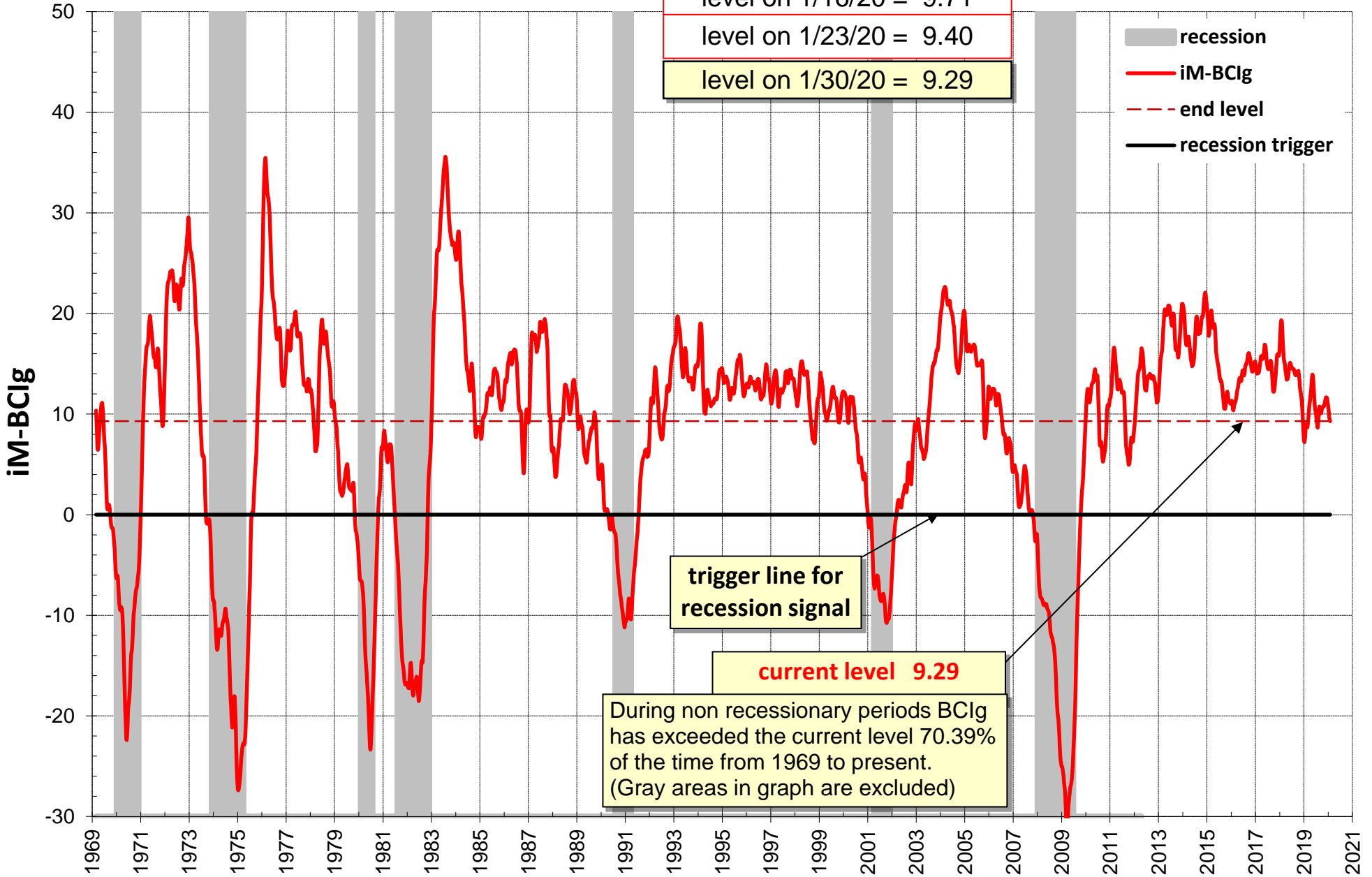


Figure 3.2: Forward Rate Ratio FRR2-10 - leads to Recessions

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 Ression start (weeks)	Lead to Ression 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 01/30/2020
EMA of FRR2-10 = 1.030

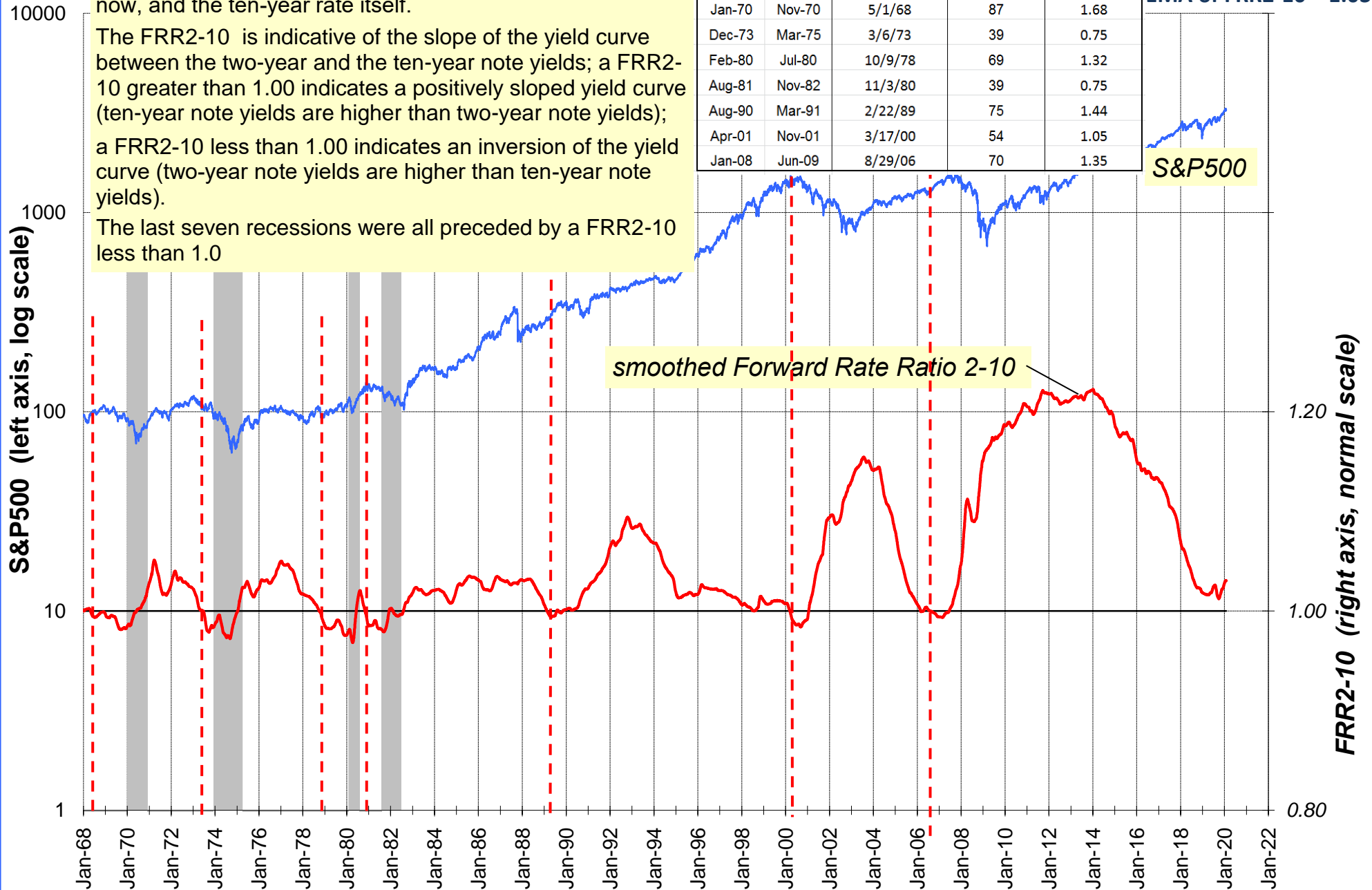


Fig.3.3 iM-Low Frequency Timer

Updated to: 1/30/2020

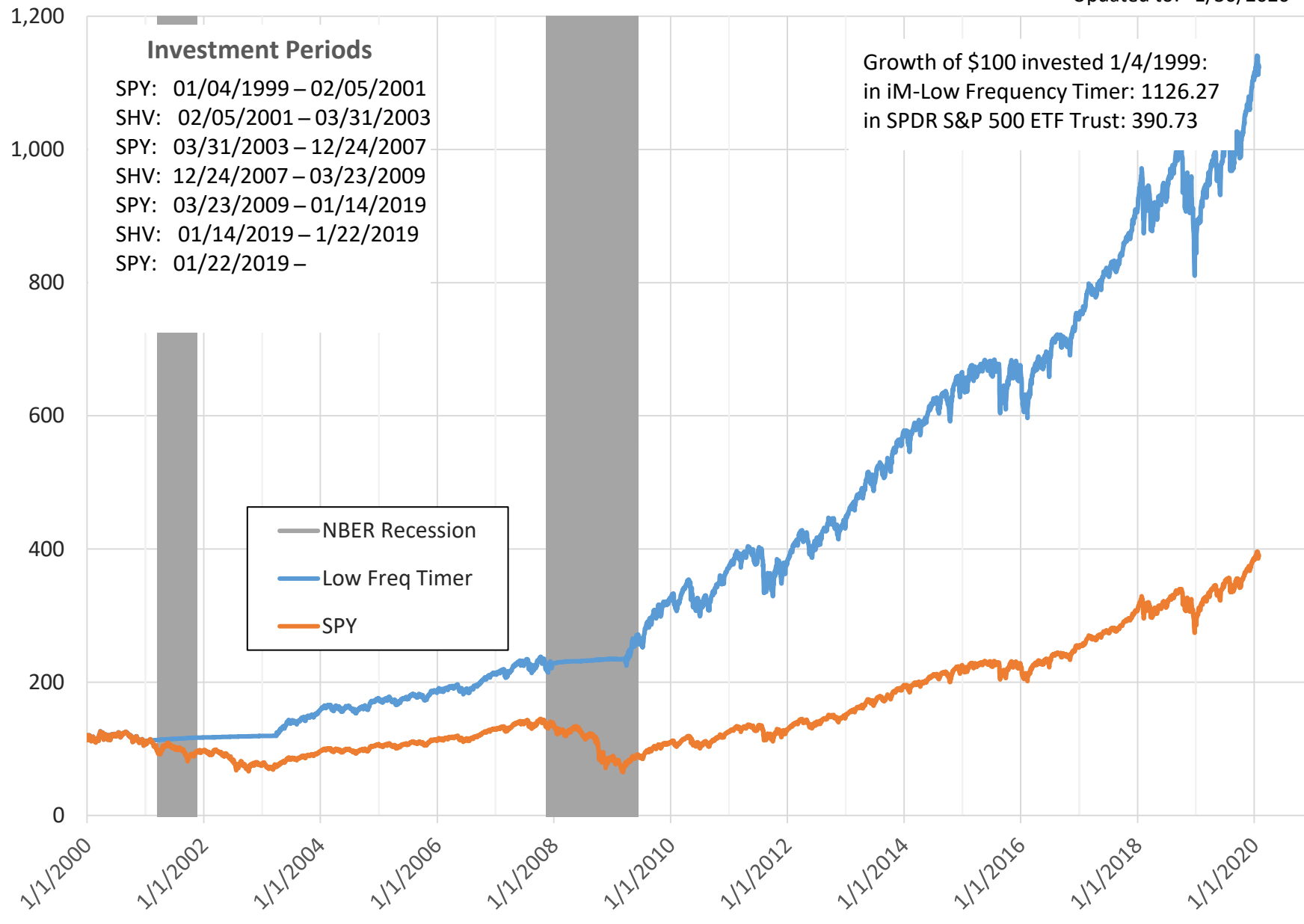


Figure 4: Bond Value Ratio (BVR)

Model updated to: 1/30/2020 BVR = 6.265

Limit lines recalibrated on 2/1/2015

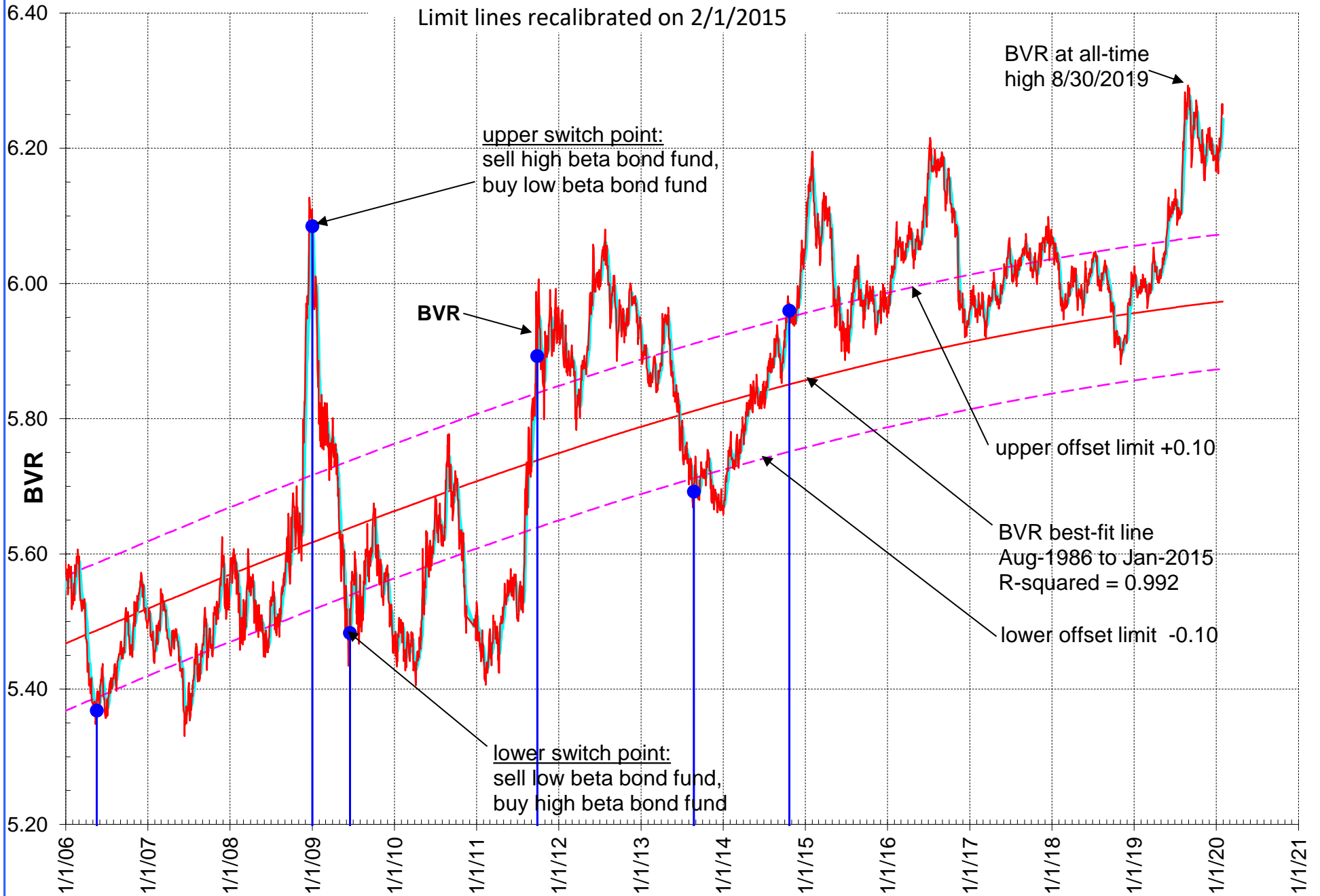


Fig. 5: Yield Curve: i10 - i2

Updated to.....1/30/2020

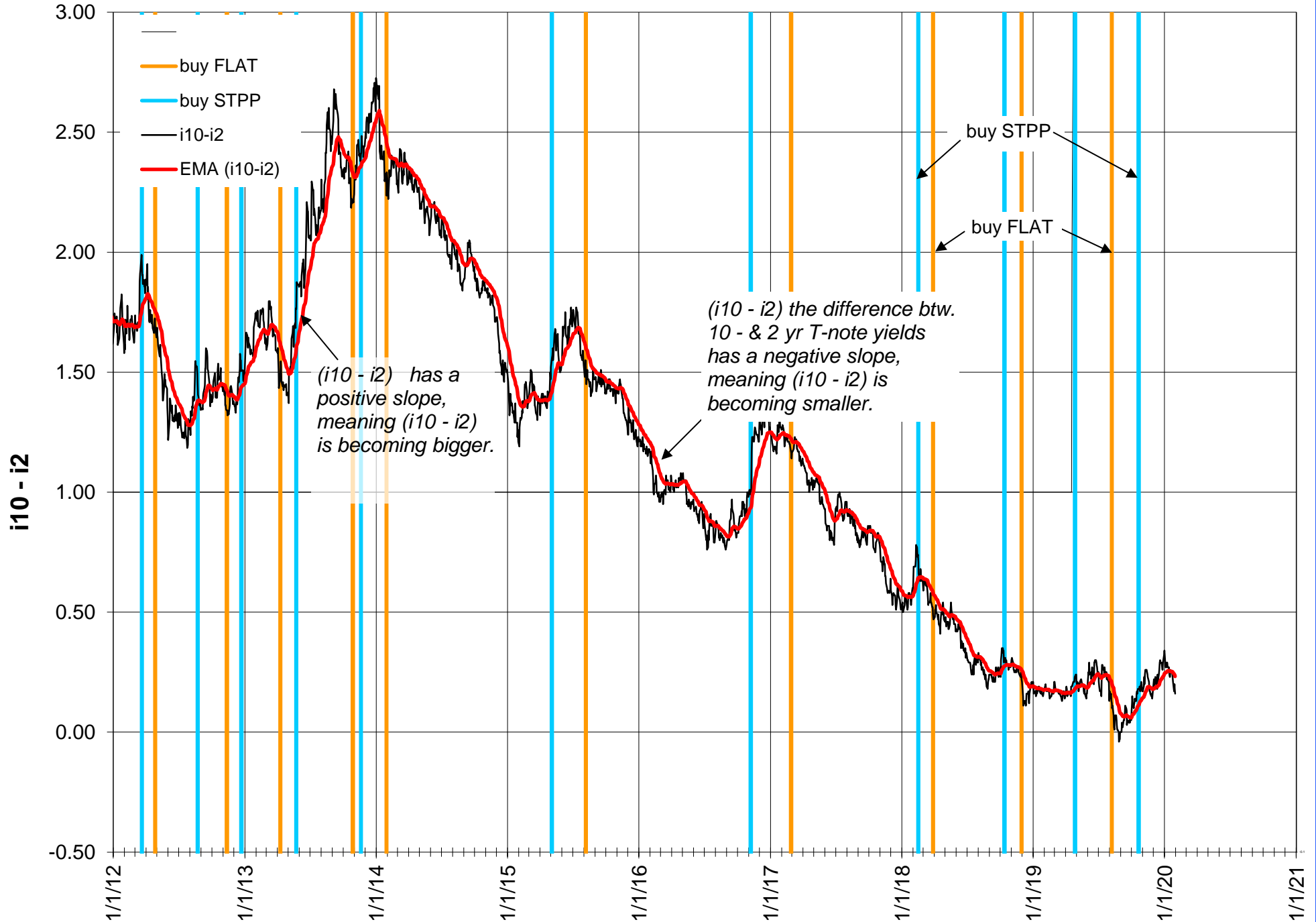
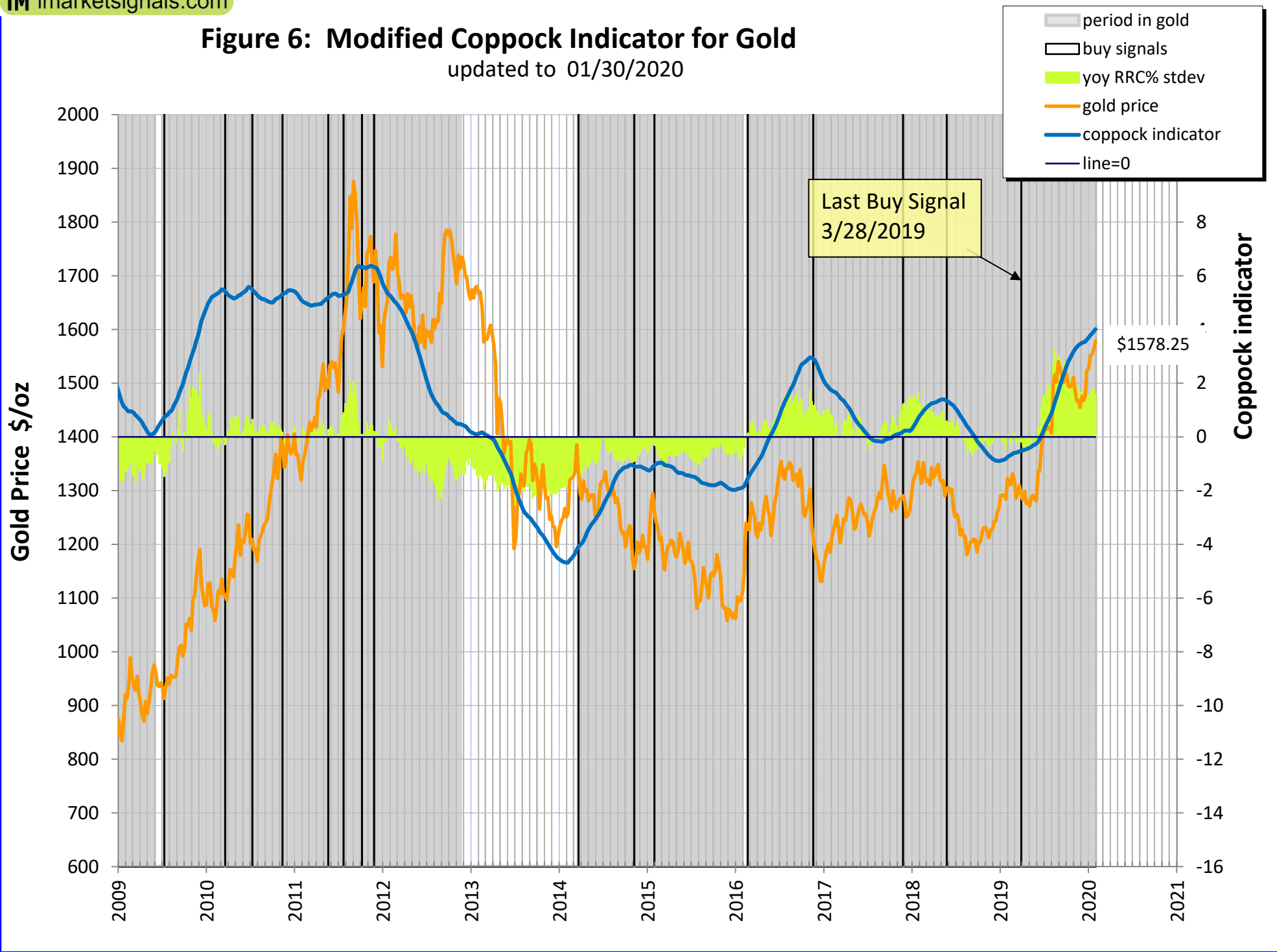


Figure 6: Modified Coppock Indicator for Gold

updated to 01/30/2020



\$1578.25

Last Buy Signal
3/28/2019

Fig. 6.1a iM GOLD-TIMER - Rev 1

Updated to: 1/30/2020

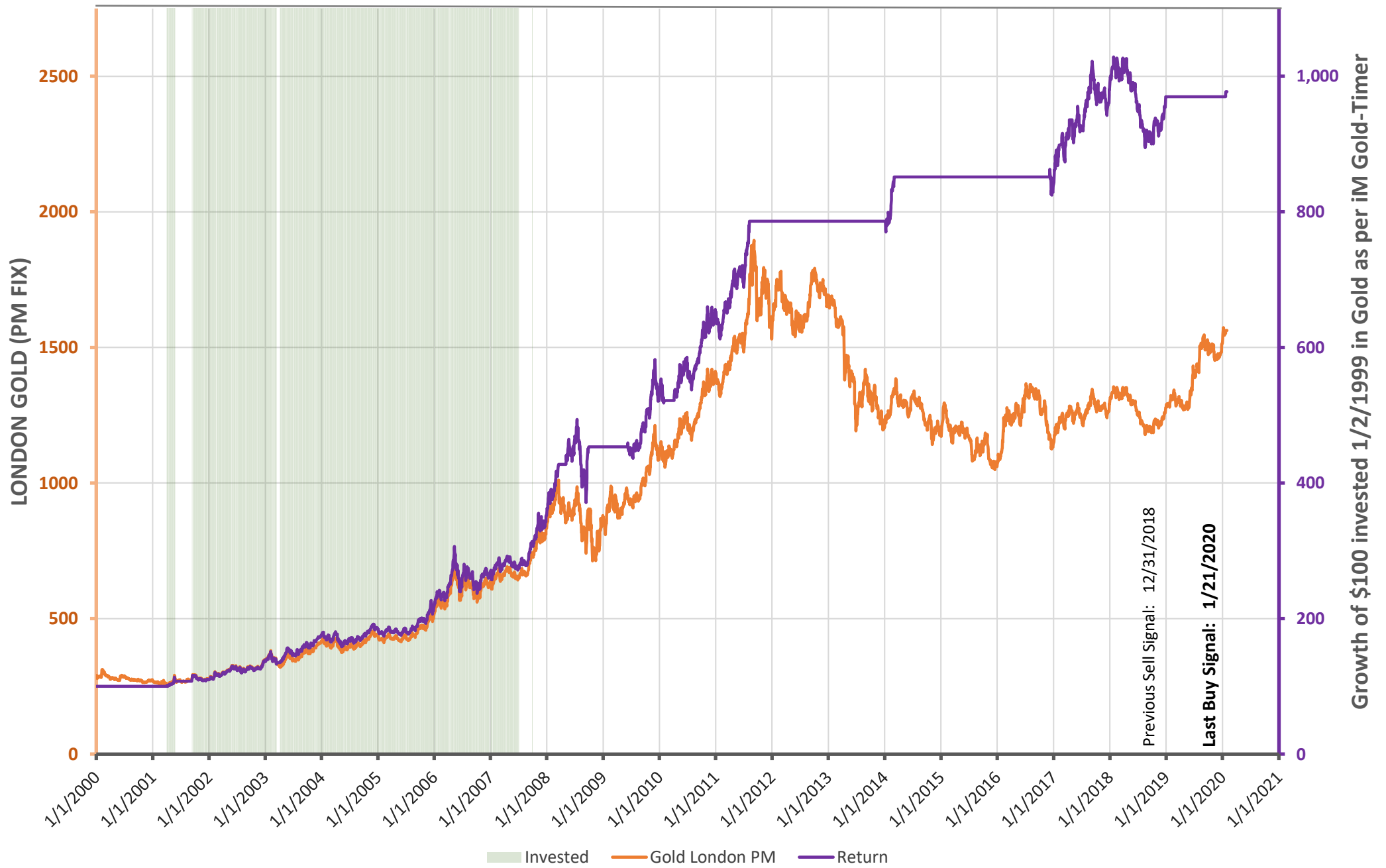


Figure 7: Modified Coppock Indicator for Silver

updated to 01/30/2020

