

TA THRASHER ANALYTICS

MAY 1, 2022



WEEKLY RESEARCH & ANALYSIS

BY ANDREW THRASHER, CMT

SUMMARY OF MODELS

	Current	Wkly Change
Market Health Report	-8	Declining
Volatility Risk Trigger	0	Unchanged
Risk Appetite Ratios	.24	Unchanged
Bullishish Confidence Score	+3	Declining
S&P 500 Long-Term Trend	Down	Declining

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Volatility

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Market Health Report

Hedge Fund Stocks

Sectors & Commodity

Sentiment

Trend Models

Sector Rotation: May	
Energy	XLE
Utilities	XLU
Consumer Staples	XLP

Fixed Income Rotation: Q2	
Emerging Market Debt	PCY
20+ Year Treasury	TLT

Market Health Report	
Breadth	-3
Momentum	-3
Sentiment	-1
Trend	-1
Volatility	0
Total	-8

Index & Sector		
	Up Trend	Down Trend
SPX		X
QQQ		X
XLF		X
XLY		X
XLK		X
XLV		X
XLU	X	
XLP	X	
XLI		X
XLRE		X
XLE	X	
XLB		X

Daily Sentiment Index		
	% Bullish	5-day MA
S&P 500	20%	22%
Nasdaq 100	17%	17%
Nikkei	35%	33%
VIX	60%	54%
10yr Treasury	15%	21%
5yr Treasury	15%	18%
CRB Index	71%	67%
Crude Oil	77%	75%
Gold	68%	65%
U.S. Dollar	88%	94%
Bitcoin	27%	31%

*Green<25% Red>80%

source: trade-futures.com

Brief Summary:

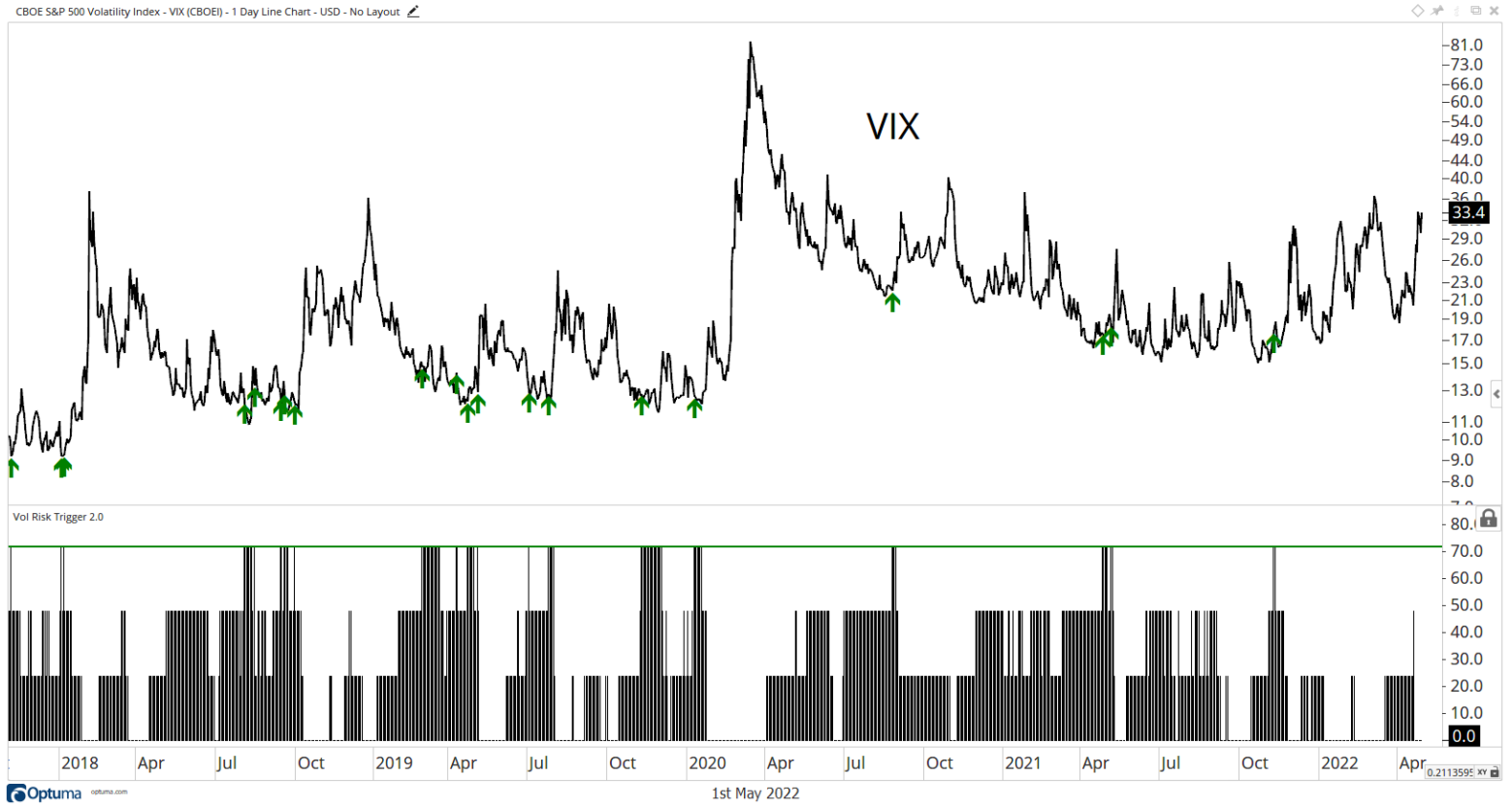
Markets continued to sell off last week, with the S&P 500 down now more than -13% on the year. Most sectors have moved back into being in a down trend and the Market Health Report is back at a very low, -8. However, even with all the bearish data we have at our feet, I do think there's a chance we see at least a short-term bounce soon.

The sentiment data is 'less bad' than in March and most stocks outperformed on Friday as the index dropped largely due to mega caps and notably Amazon. We've had several -90% down days, which historically has caused a rally in equities over the past 10+ years. There's plenty of market-moving data announced that could get the ball rolling, from ISM, jobs, and of course the Fed. Don't get me wrong, I do believe we are still in a bear market at least a well-established down trend. I share the chart of the Nasdaq from 2000-2002 and the nine double-digit counter-trend rallies that were produced during that time period as the index saw a multi-year decline. Markets don't move in straight lines and while I do think we could see a bounce, to make the assumption that it's sustainable, we need to see confirmation in the data with improving MHR readings along with price holding key support levels.

VOLATILITY: VRT



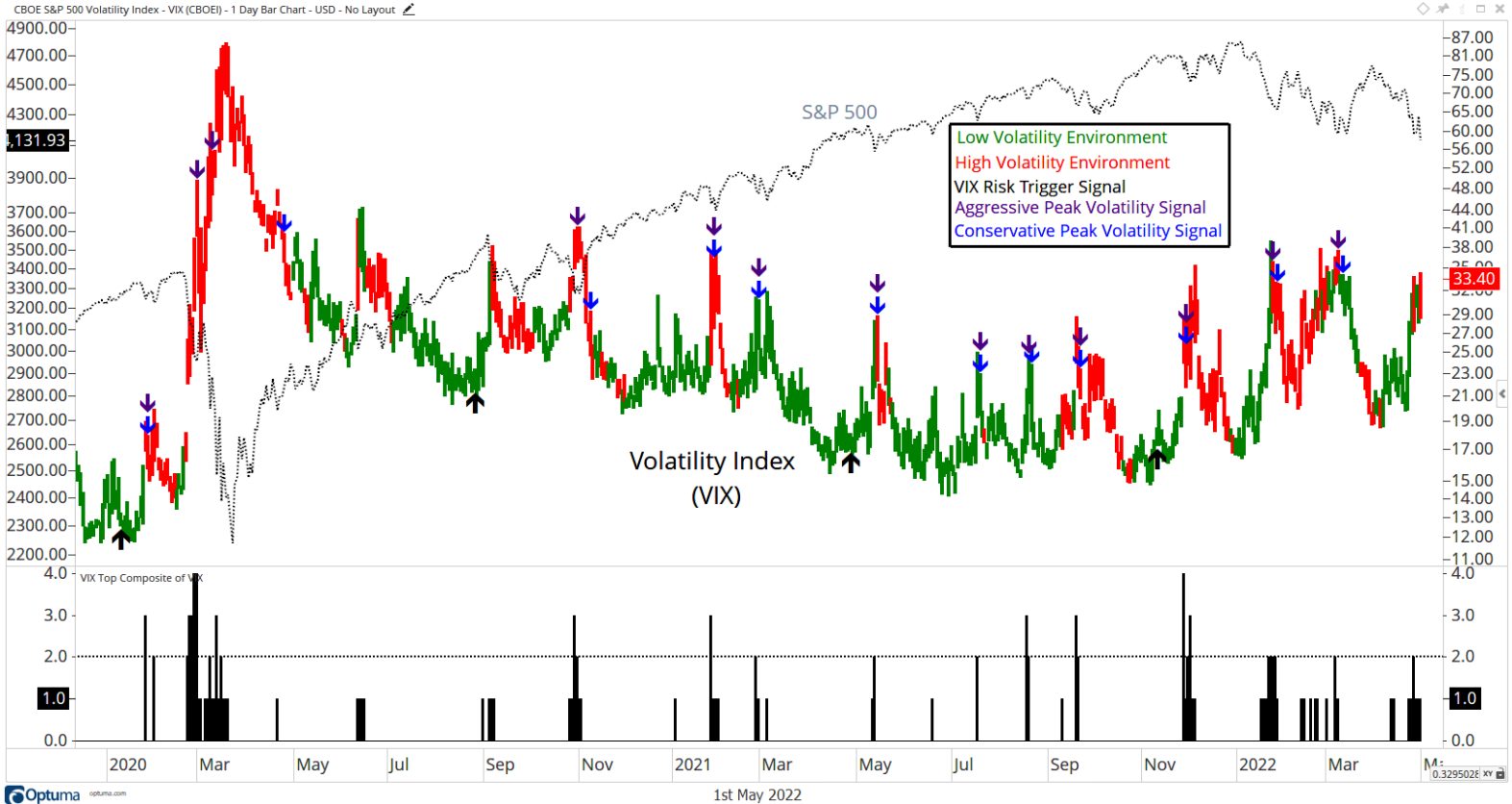
VRT is still below its signal level.



VOLATILITY: TOP & ENVIRONMENT



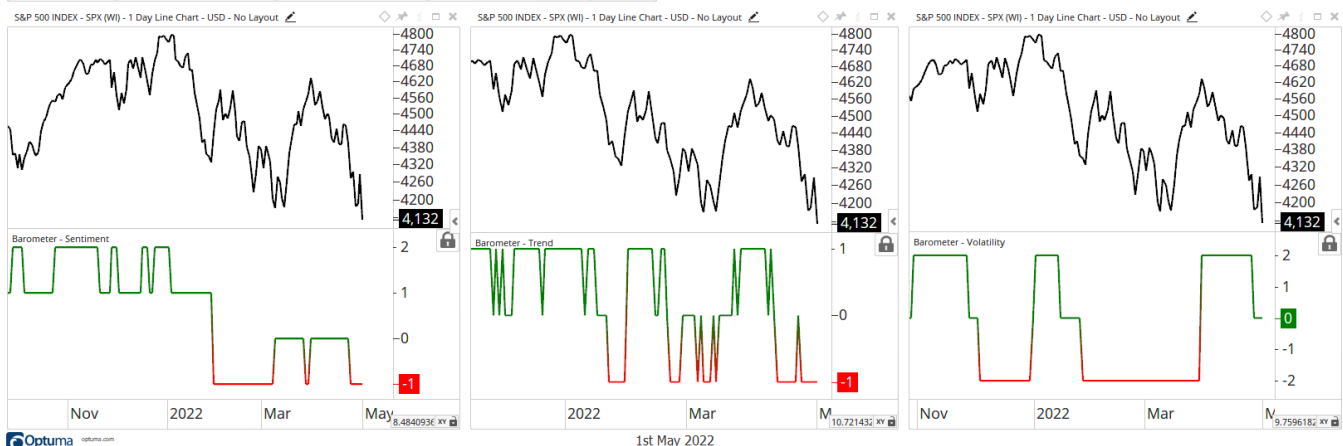
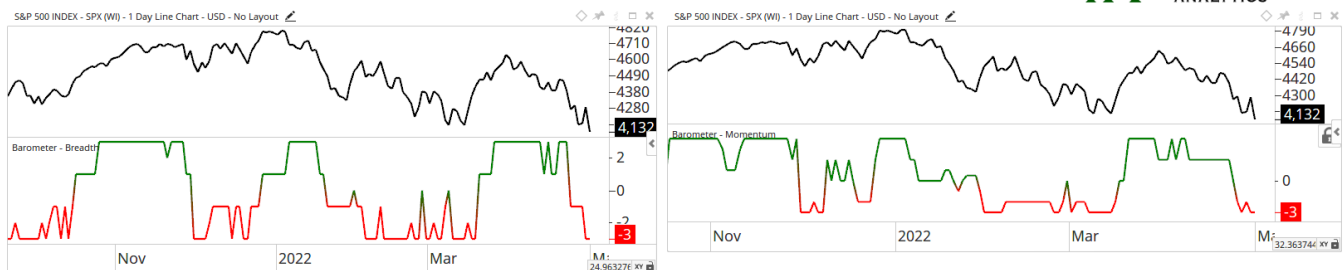
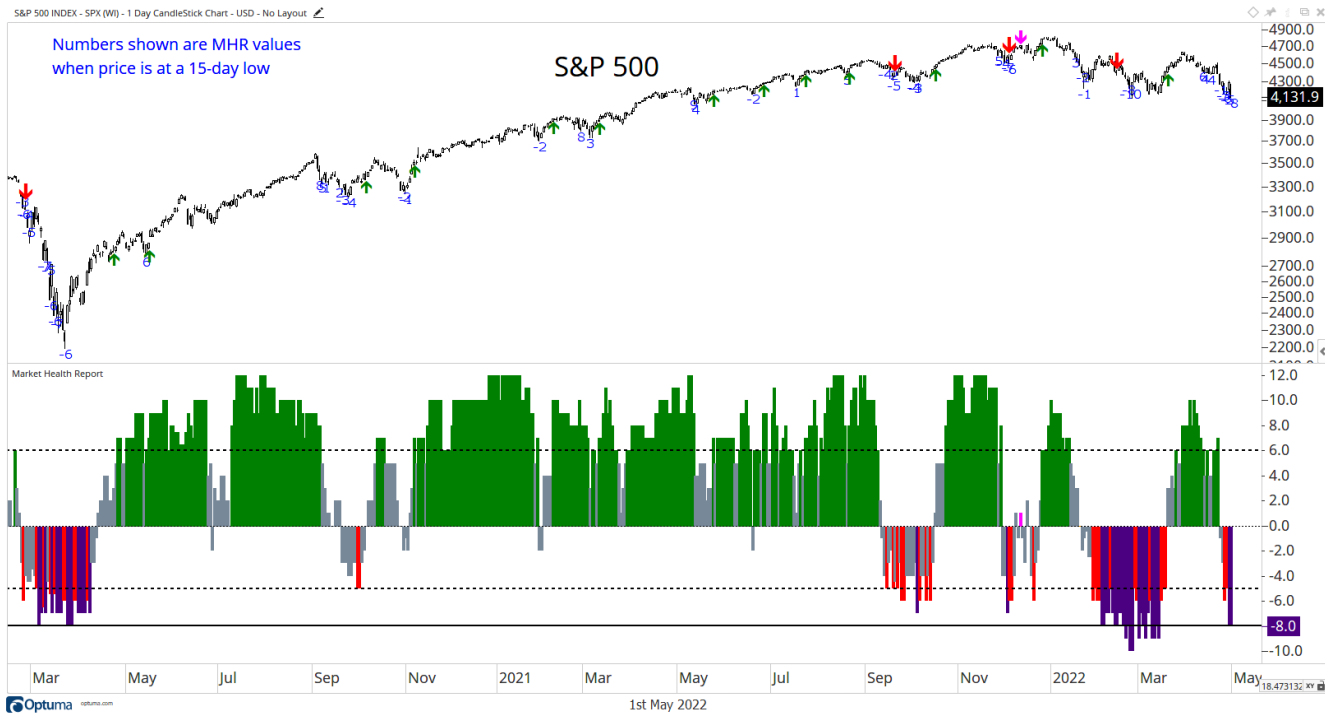
VIX moved higher last week, moving into the 30s. We finished Friday in a High Volatility Environment classification.



MARKET HEALTH REPORT



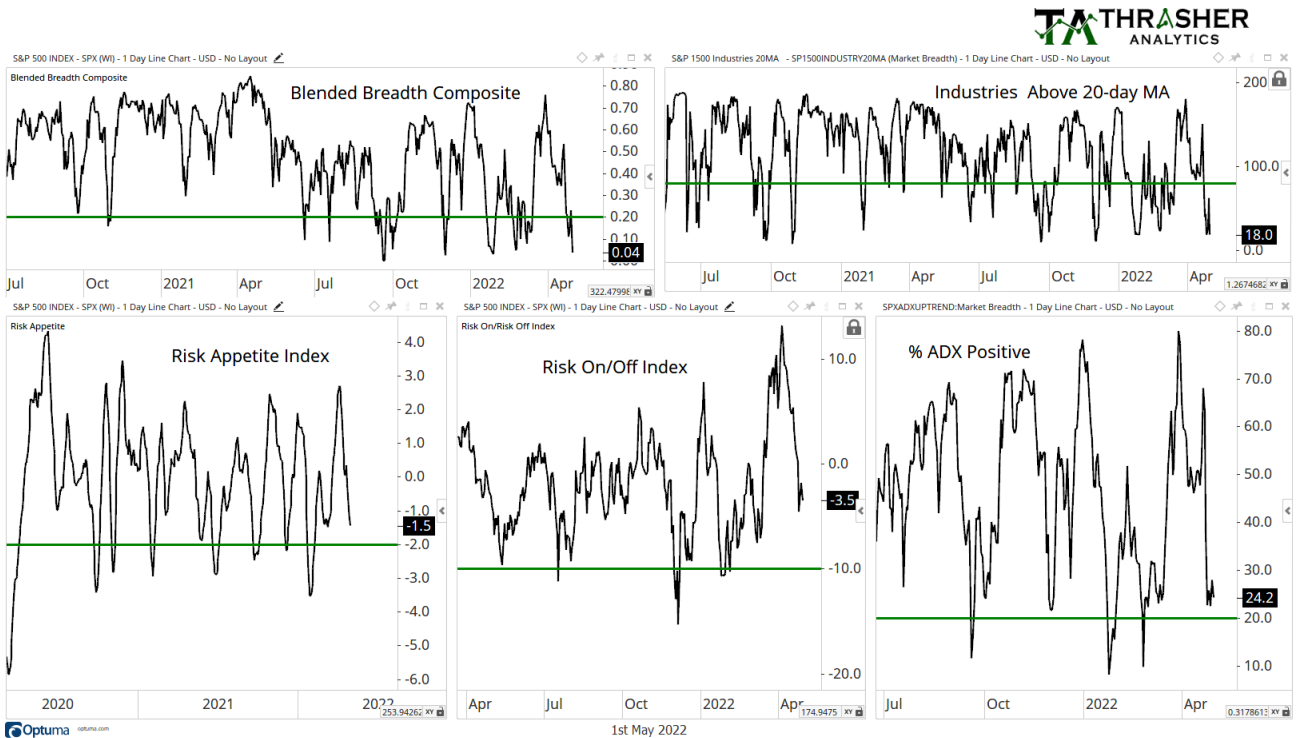
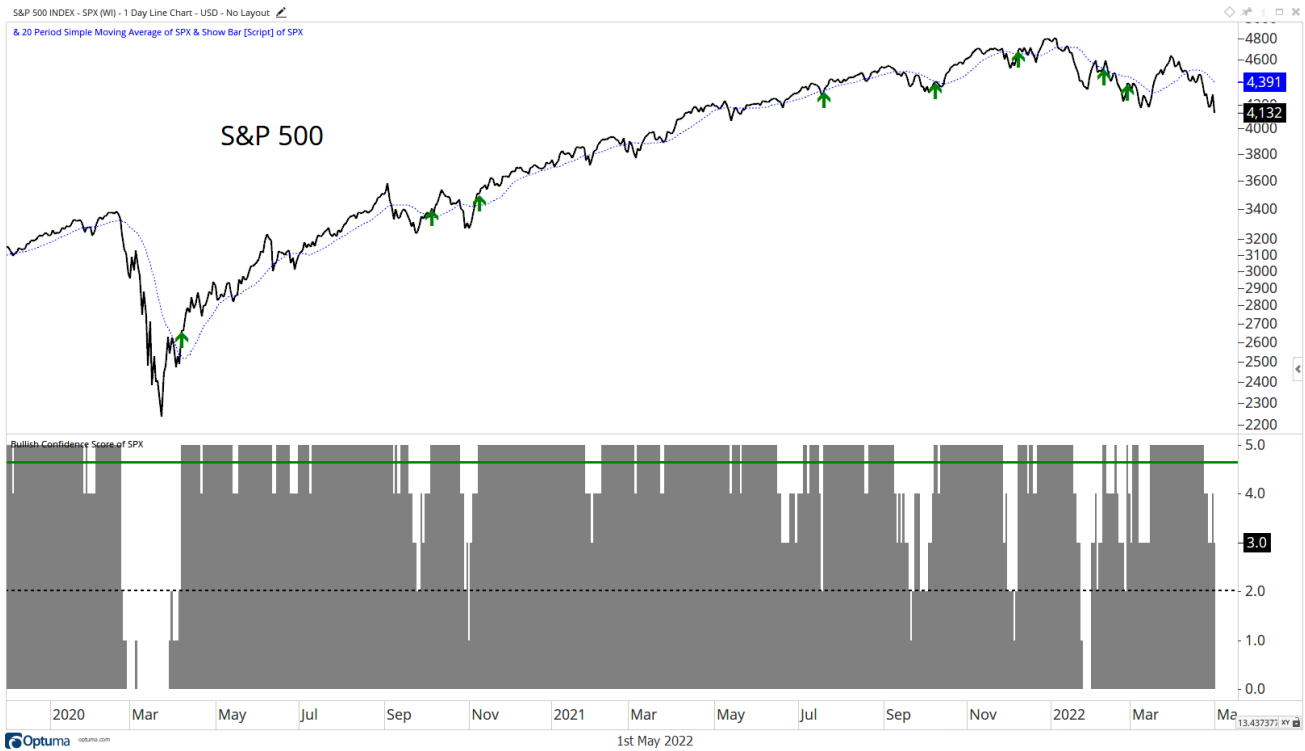
The Market Health Report (MHR) continued to decline, finishing the week at -8. All five categories are now at or below zero. With a reading under -6 at a 15-day low, we are now looking for a confirmation signal which would involve an immediate close lower. I'll be discussing this in further detail later, but I do think there's a chance we see a short-term bounce but it can't be ignored how weak the internals of the market are based on the five categories of the MHR.



BULLISH CONFIDENCE SCORE



The Bullish Confidence Score dropped to +3.



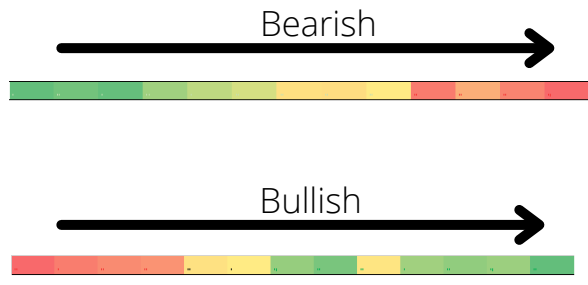
RISK APPETITE RATIO



Below is a table of 18 gauges of risk appetite such as offense vs. defense sectors, foreign markets vs. domestic, small vs. large cap, lumber vs gold, high beta vs. broad market, high yield debt vs. Treasury debt, etc. The table shows each ratio's 1-year percentile going back the last 3-months (35 trading days). As the data improves, it turns green and as it declines it becomes red.

The average Risk Appetite Ratio percentile remains at the 24th percentile

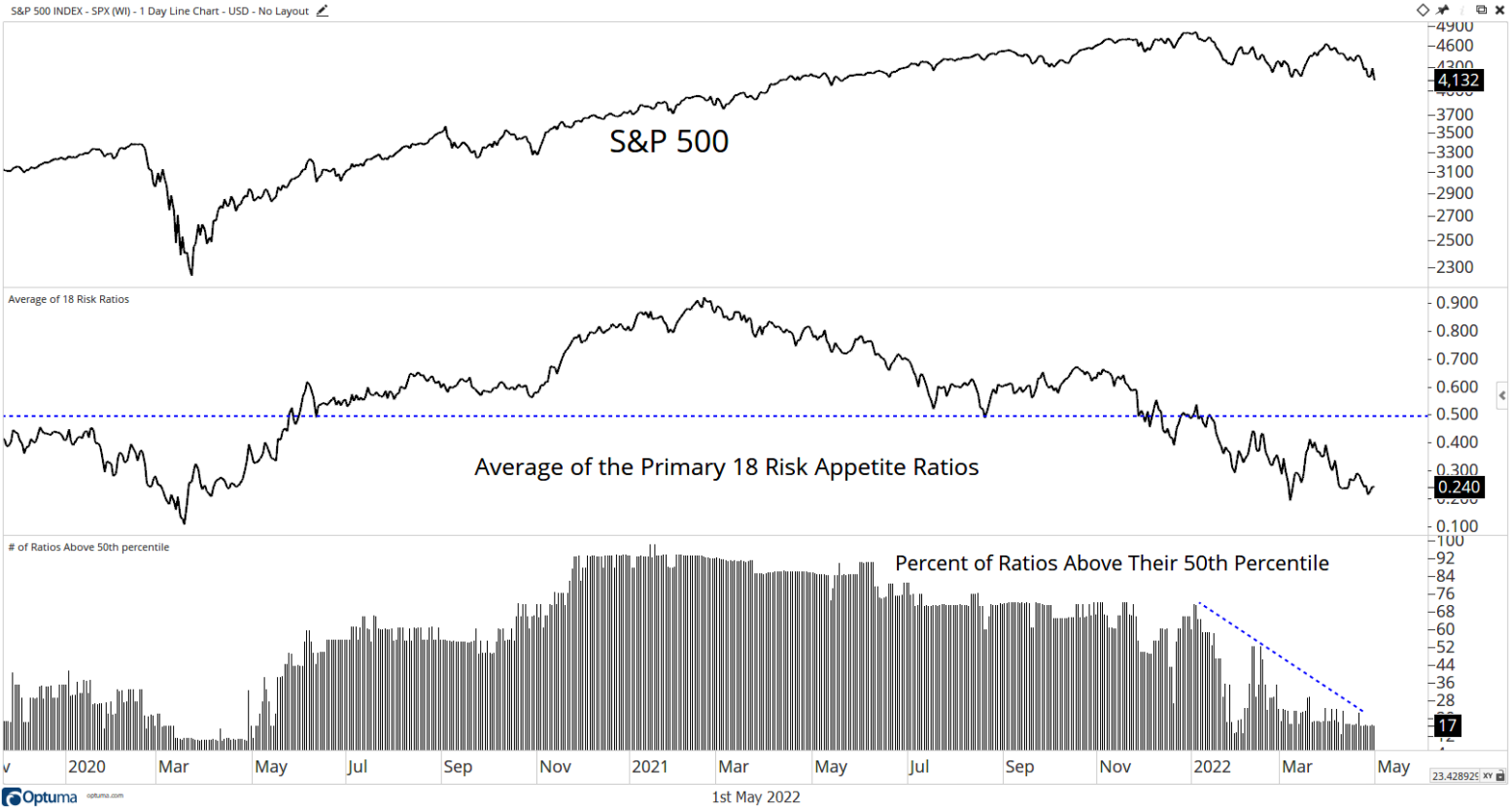
Risk Metric	-35	-34	-33	-32	-31	-30	-29	-28	-27	-26	-25	-24	-23	-22	-21	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	Current	
Emerging Market vs. SPX	0.01	0.00	0.00	0.00	0.14	0.09	0.11	0.08	0.10	0.11	0.09	0.05	0.04	0.05	0.06	0.07	0.10	0.13	0.11	0.10	0.07	0.08	0.09	0.09	0.10	0.10	0.08	0.03	0.01	0.00	0.05	0.02	0.04	0.06	0.03	0.15	
EAFE vs. SPX	0.10	0.11	0.18	0.13	0.19	0.17	0.19	0.16	0.15	0.15	0.12	0.10	0.05	0.10	0.11	0.10	0.13	0.11	0.11	0.10	0.09	0.10	0.13	0.11	0.11	0.15	0.12	0.07	0.10	0.12	0.17	0.12	0.13	0.14	0.09	0.21	
HY Debt vs. Treasury	0.57	0.49	0.58	0.64	0.67	0.77	0.71	0.79	0.93	0.75	0.82	0.87	0.85	0.88	0.84	0.79	0.75	0.86	0.93	0.93	0.98	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.91	0.91	0.90	0.81	0.85	0.88	0.88		
High Beta vs. SPX	0.25	0.18	0.05	0.13	0.32	0.36	0.46	0.41	0.48	0.40	0.46	0.39	0.39	0.47	0.35	0.31	0.26	0.37	0.23	0.04	0.03	0.00	0.00	0.00	0.07	0.01	0.05	0.11	0.03	0.00	0.00	0.05	0.00	0.00	0.09	0.09	
Home Construction vs. SPX	0.14	0.14	0.07	0.13	0.10	0.11	0.16	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.02	0.08	0.08	0.10	0.09	0.06	0.11	0.13	0.14	0.14	0.20	0.23	0.20	0.22	0.23	
Offense vs. Defense Sectors	0.27	0.23	0.11	0.10	0.23	0.26	0.34	0.36	0.44	0.45	0.47	0.45	0.46	0.49	0.41	0.33	0.26	0.39	0.24	0.01	0.00	0.00	0.00	0.03	0.11	0.06	0.13	0.17	0.09	0.05	0.04	0.03	0.00	0.05	0.11	0.06	
Broker-Dealer vs. SPX	0.07	0.13	0.25	0.17	0.35	0.32	0.35	0.23	0.30	0.22	0.08	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.16	0.13	0.18	0.23	0.13	0.18	0.23	0.14	0.09	0.09	0.09	0.10	0.05	0.04	
S&P Growth vs. S&P Value	0.25	0.20	0.14	0.21	0.28	0.28	0.35	0.34	0.39	0.38	0.41	0.37	0.43	0.46	0.42	0.40	0.39	0.47	0.41	0.32	0.32	0.26	0.19	0.17	0.21	0.14	0.15	0.18	0.11	0.08	0.06	0.10	0.03	0.03	0.11	0.04	
Semiconductor vs. SPX	0.32	0.27	0.17	0.26	0.40	0.37	0.44	0.43	0.41	0.35	0.51	0.46	0.46	0.51	0.40	0.37	0.28	0.32	0.17	0.12	0.10	0.00	0.00	0.00	0.05	0.00	0.07	0.09	0.09	0.03	0.05	0.10	0.04	0.01	0.14	0.11	
Consumer Disc. Vs. Staples	0.24	0.23	0.17	0.22	0.32	0.33	0.38	0.32	0.32	0.28	0.29	0.25	0.26	0.33	0.26	0.20	0.16	0.20	0.14	0.05	0.02	0.01	0.00	0.00	0.05	0.03	0.04	0.09	0.06	0.01	0.00	0.03	0.00	0.00	0.01	0.00	
Small Cap vs. Utilities	0.13	0.09	0.04	0.05	0.15	0.18	0.24	0.21	0.24	0.18	0.18	0.14	0.12	0.17	0.09	0.06	0.05	0.08	0.00	0.00	0.00	0.00	0.02	0.01	0.06	0.04	0.04	0.07	0.06	0.04	0.02	0.05	0.00	0.00	0.02	0.02	
Transports vs. Utilities	0.20	0.19	0.17	0.23	0.47	0.50	0.51	0.44	0.49	0.40	0.39	0.34	0.34	0.35	0.27	0.21	0.00	0.04	0.00	0.00	0.02	0.00	0.04	0.04	0.09	0.09	0.10	0.16	0.18	0.20	0.18	0.24	0.18	0.23	0.27	0.26	
Equal Weight vs. Cap Weight	0.74	0.77	0.82	0.74	0.69	0.69	0.67	0.58	0.53	0.51	0.47	0.49	0.44	0.49	0.47	0.50	0.50	0.42	0.44	0.51	0.48	0.55	0.66	0.66	0.66	0.74	0.70	0.73	0.83	0.83	0.84	0.80	0.87	0.86	0.75	0.84	
Small cap vs. Large Cap	0.19	0.19	0.15	0.13	0.16	0.17	0.20	0.19	0.18	0.16	0.14	0.13	0.10	0.16	0.10	0.13	0.16	0.13	0.09	0.07	0.04	0.02	0.06	0.09	0.12	0.13	0.10	0.11	0.13	0.10	0.11	0.11	0.10	0.07	0.04	0.08	
Equities. vs. VIX	0.13	0.11	0.08	0.14	0.25	0.29	0.37	0.38	0.42	0.38	0.48	0.53	0.61	0.67	0.64	0.54	0.60	0.68	0.52	0.45	0.48	0.50	0.34	0.34	0.46	0.40	0.43	0.48	0.54	0.41	0.19	0.23	0.05	0.09	0.14	0.04	
Aussie Dollar vs. Yen	0.95	0.87	0.89	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	1.00	0.96	0.91	0.88	0.93	0.99	1.00	0.96	0.94	0.94	0.96	0.99	1.00	0.98	0.99	0.98	1.00	1.00	0.96	0.87	0.81	0.73	0.78	0.86	0.79	
Lumber vs. Gold	0.63	0.68	0.70	0.72	0.52	0.55	0.54	0.50	0.49	0.44	0.40	0.39	0.39	0.45	0.40	0.36	0.37	0.37	0.35	0.31	0.31	0.35	0.30	0.28	0.29	0.29	0.32	0.34	0.38	0.41	0.40	0.42	0.43	0.46	0.45	0.44	
Copper vs. Gold	0.13	0.14	0.08	0.15	0.33	0.35	0.45	0.41	0.42	0.46	0.34	0.31	0.39	0.48	0.46	0.41	0.43	0.50	0.54	0.48	0.38	0.39	0.27	0.28	0.26	0.30	0.36	0.34	0.27	0.36	0.24	0.19	0.15	0.22	0.16	0.07	
AVERAGE	0.30	0.28	0.26	0.29	0.36	0.38	0.41	0.38	0.40	0.37	0.37	0.35	0.35	0.39	0.34	0.32	0.30	0.34	0.29	0.25	0.24	0.24	0.24	0.24	0.24	0.27	0.27	0.27	0.29	0.29	0.27	0.24	0.25	0.21	0.23	0.25	0.24



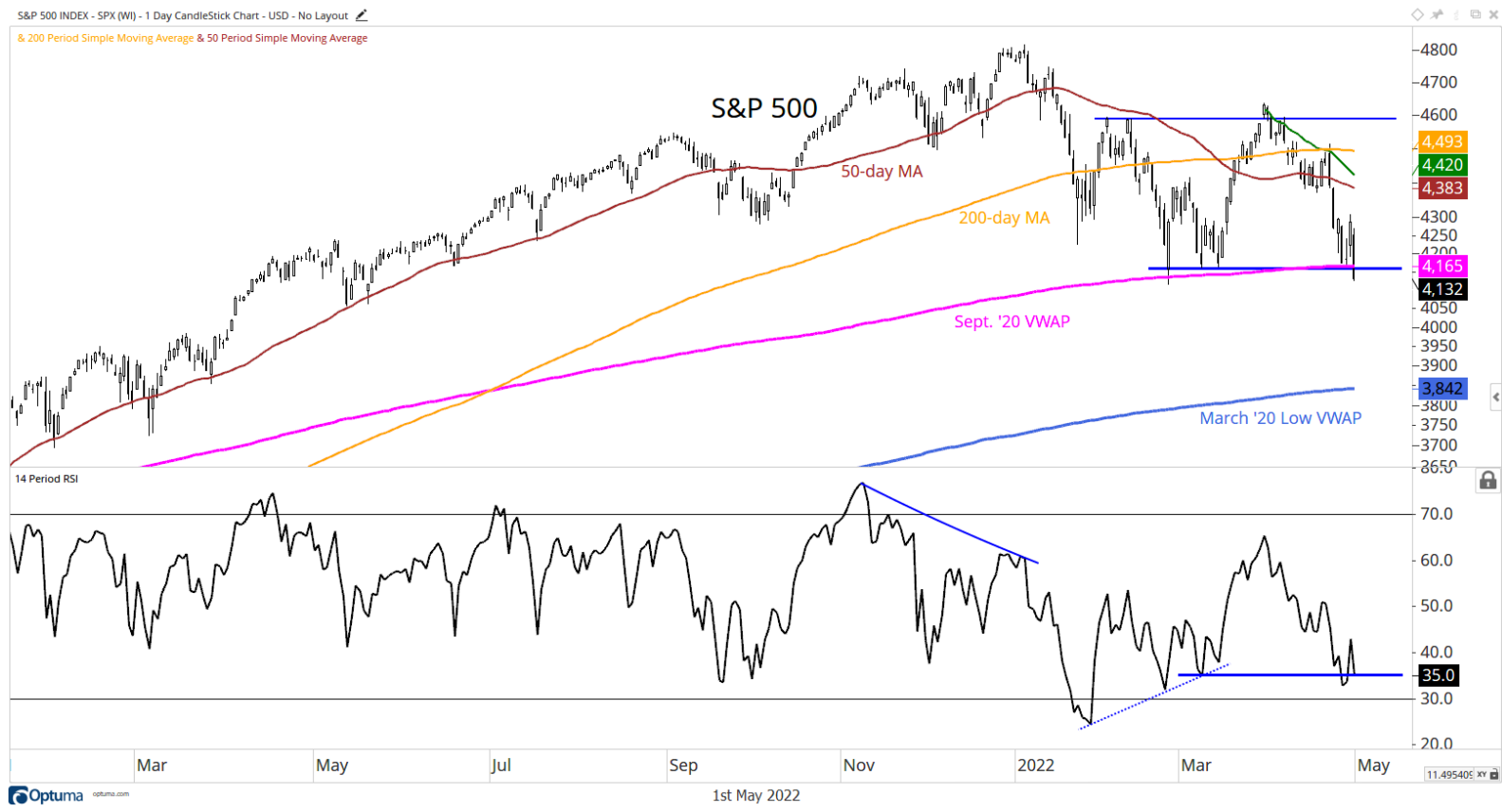
RISK APPETITE RATIO



The average Risk Appetite Ratio percentile remains at the 24th percentile and in 'risk off' mode.



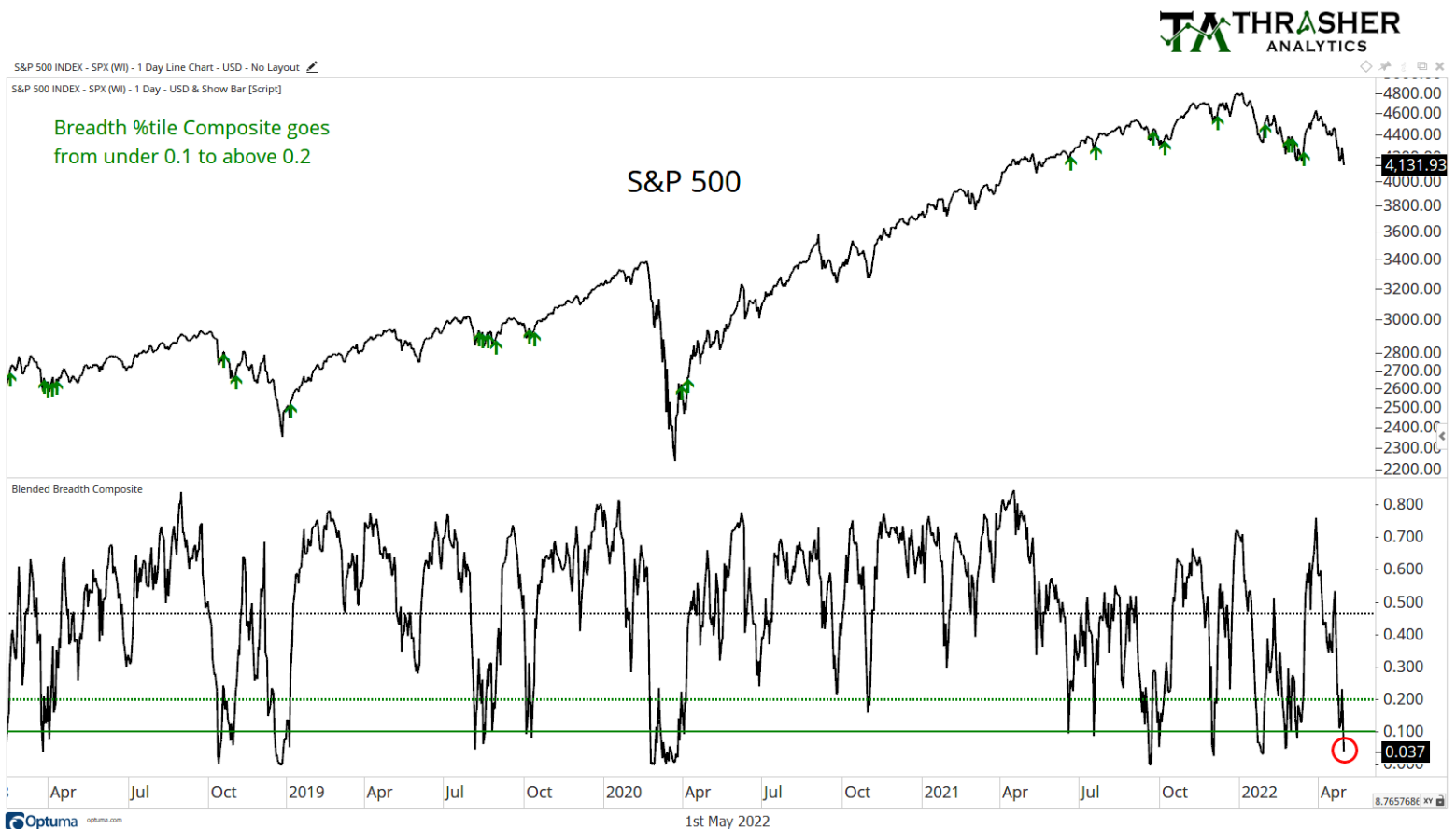
Another down week for U.S. equities, the S&P 500 is now down -13.3% for the year. The big 'event' was Friday's drop below the prior March low, driven largely by the disappointing earnings announcements from Amazon and Apple. I wrote last week how critical the Big Four (both included) were the market right now, so the large drop Friday isn't a major surprise. I do think we could see a bounce from here, I'll be sharing the reasons why later in the letter. But the price levels I'm watching are the VWAP from Sept. '20 - this was the last time the market truly had a decline of greater than a few percent, we bounced at this level in March as shown on the chart below and saw a break below on Friday. If buyers can regain that area, that would be possible. On further weakness, I'm watching the VWAP from the major March '20 low, which would get us under 3,900.



EQUITIES - % ABOVE MAS



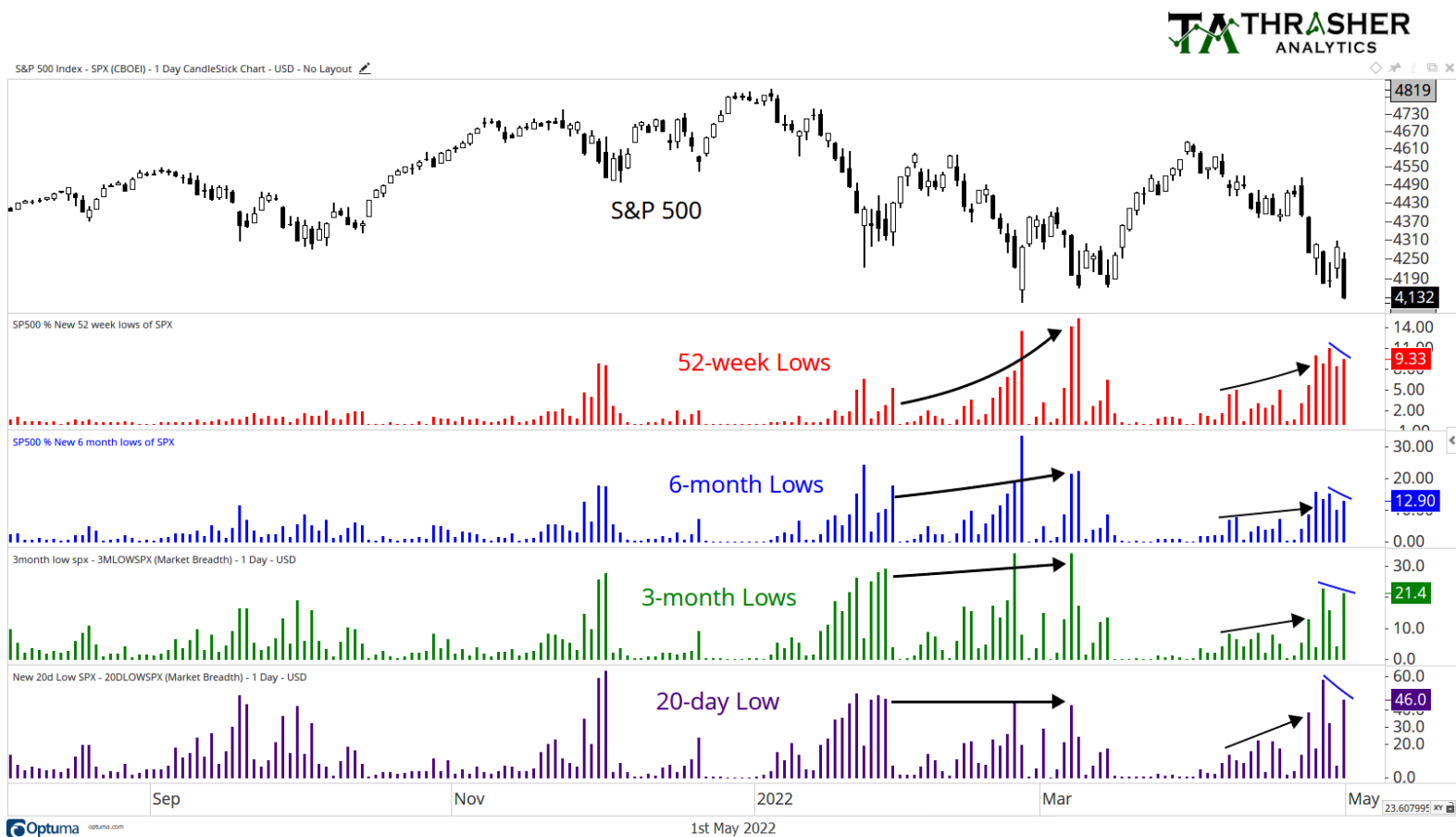
The least surprising (I would expect) chart from this week's letter is below. It shows a breadth composite of the percentiles for various breadth indicators, which sits at 0.03, showing just how low the breadth data has gotten over the last several months.



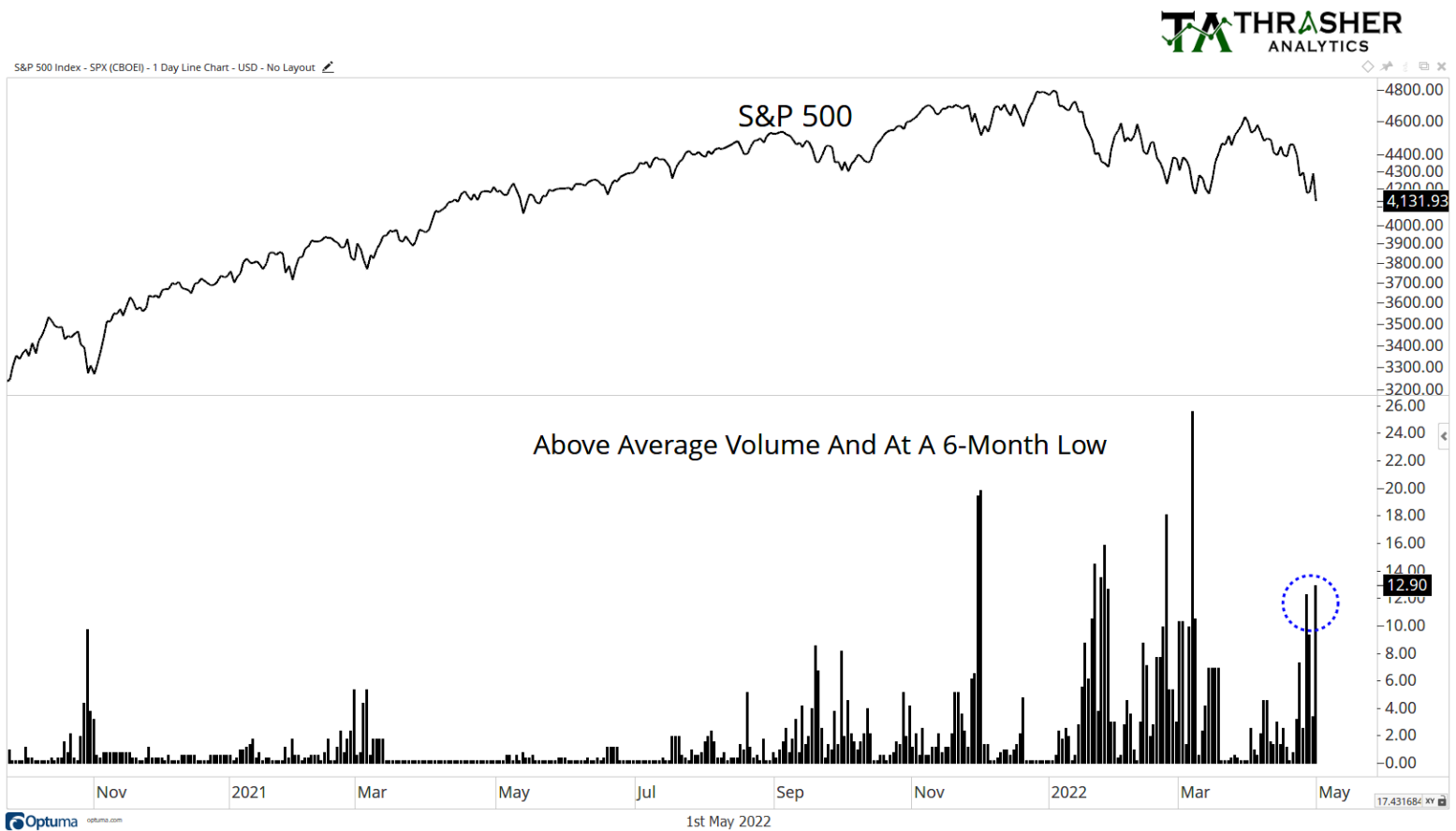
EQUITIES - NEW LOWS



An update on this chart once again - we continue to see expansion in new lows, but Friday's price action notably did see a slight drop in lows. I attribute this to the fact Friday's move lower was heavily on the back of Amazon and the other mega caps. They drove the indices lower but were not joined by a large cohort of fellow large cap stocks. We still had almost 10% of stocks hit a new 1-year low on Friday and 21% at a 3-month low, which suggests distribution is still taking place within U.S. equities.



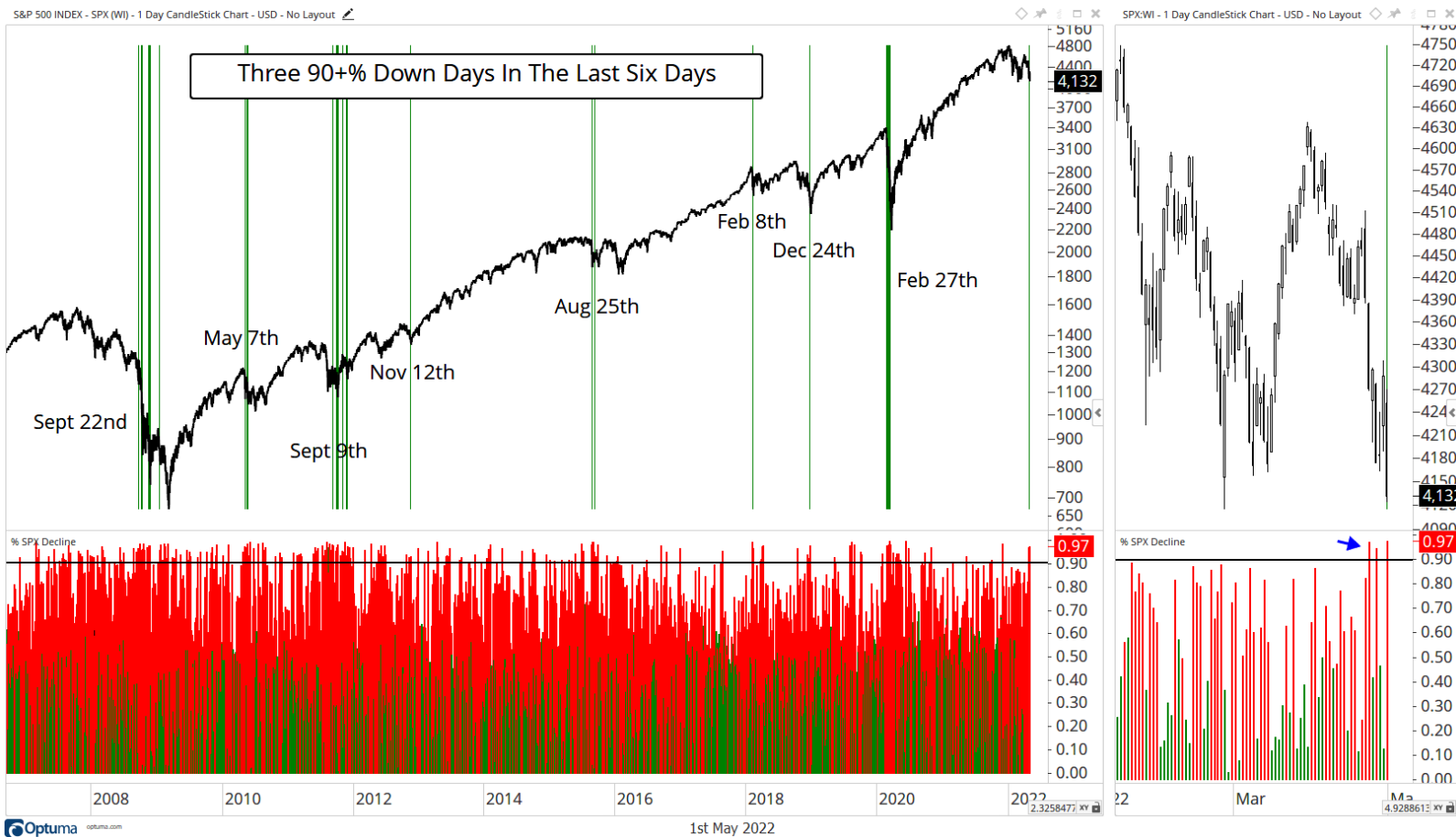
Checking back in at the data of stocks making 6-month lows on above average we can see that Friday saw another move higher, hitting 12.9%. Here, we are seeing higher-highs in bearish breadth data but also not near the levels we saw in March.



EQUITIES - 90% DOWN DAYS



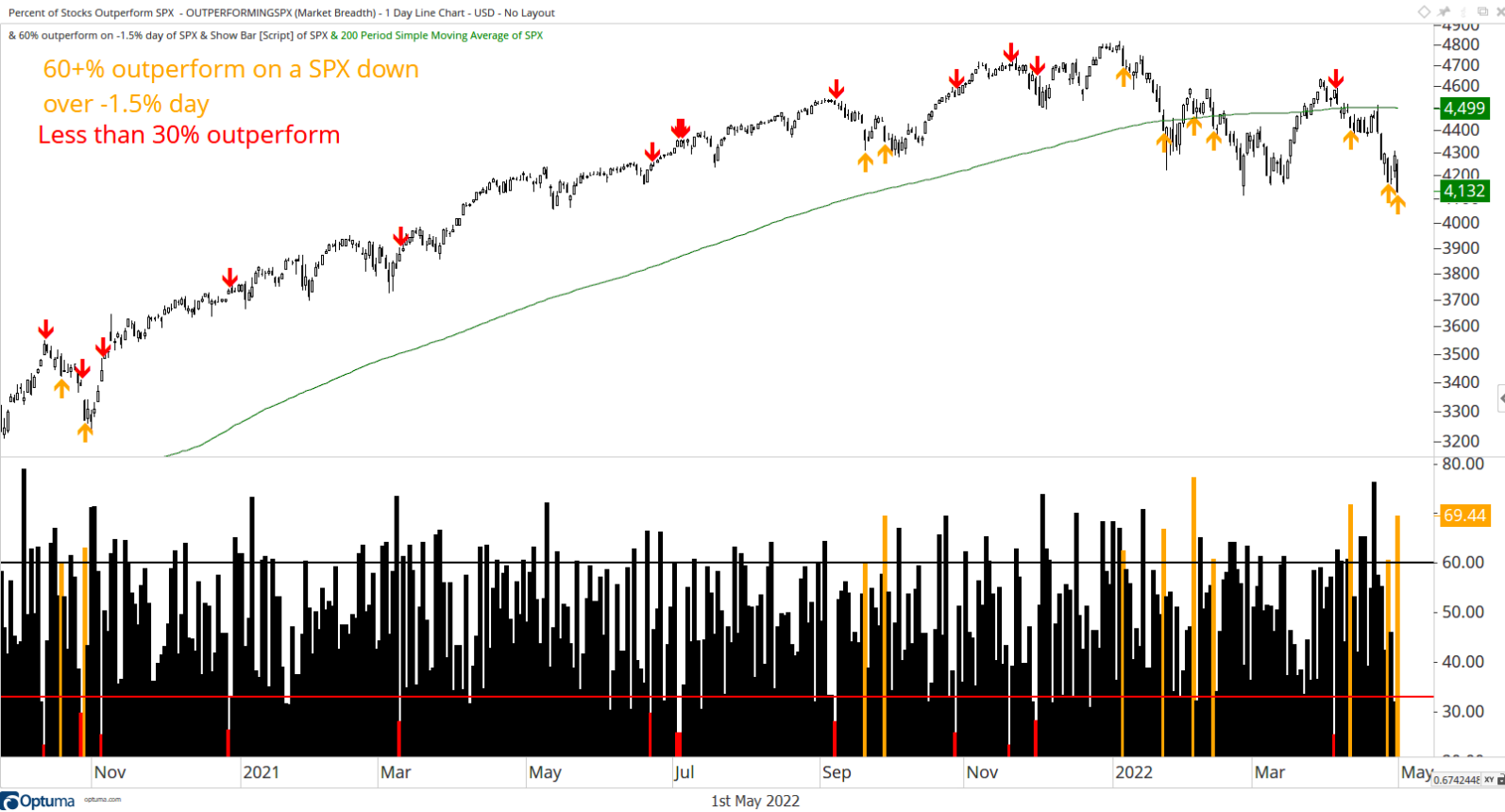
As of Friday, we've had three 90% down days over the last six days, this is a rare feat, something that has happened just a few times since the financial crisis. I've marked green lines on the prior instances along with the date for those that would like to look more closely at each instance. Seeing this heavy downside bias has often been followed by a rise in equities. This is part of why I think we could see some kind of short-term relief rally, the selling has gotten heavy handed and may be due for pause.



EQUITIES - OUTPERFORMANCE



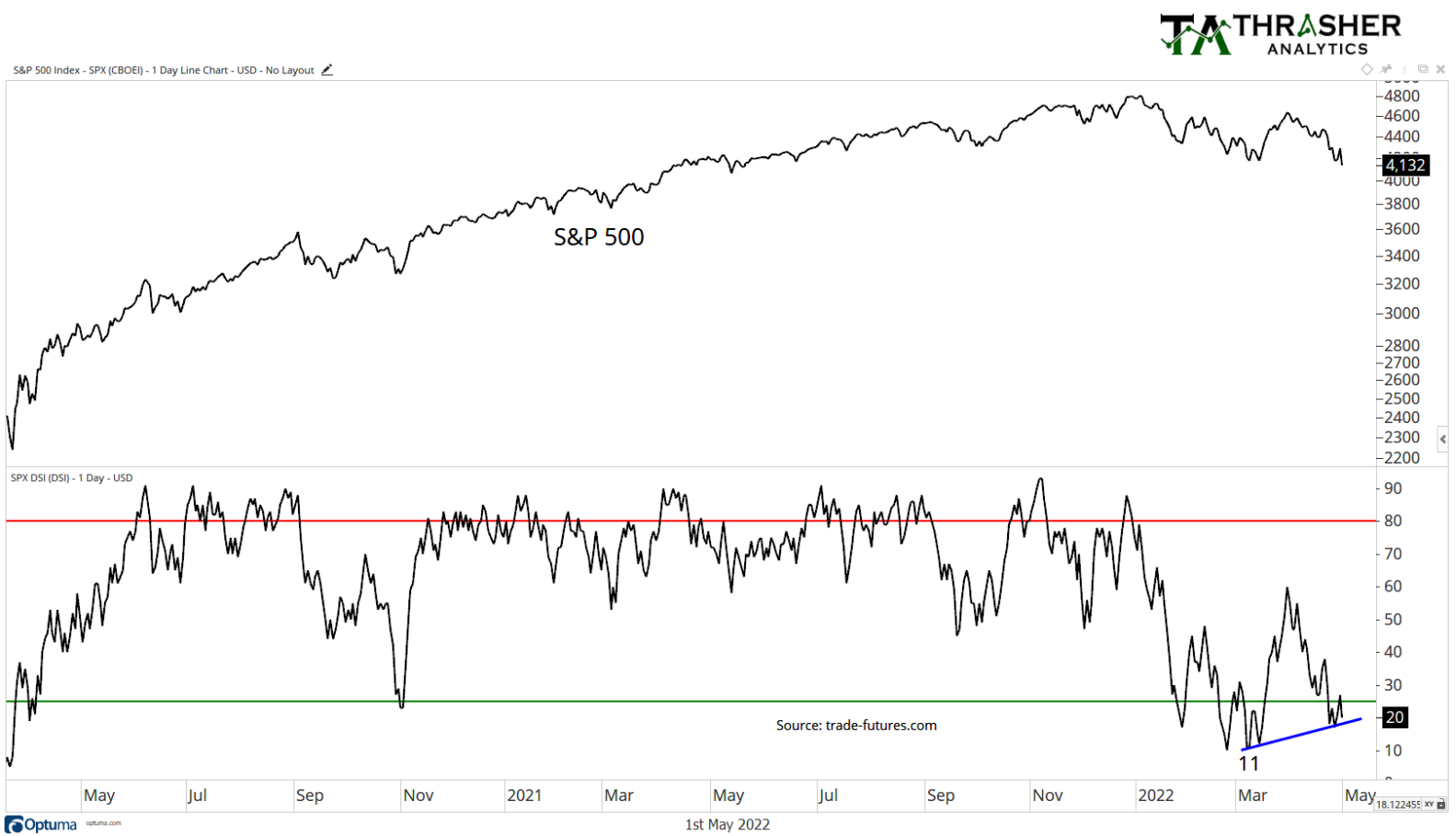
I mentioned earlier that Friday's decline was largely due to Amazon and the other mega cap stocks. We can see that being the case with 69% of large cap stocks outperforming the index on Friday. The orange arrows on the chart show when at least 60% outperform on days the index is down at least -1.5%. You'll notice short-term bounces often follow such days. The temporary relief rallies can be short-term (a day or two in some case).



EQUITIES - SENTIMENT



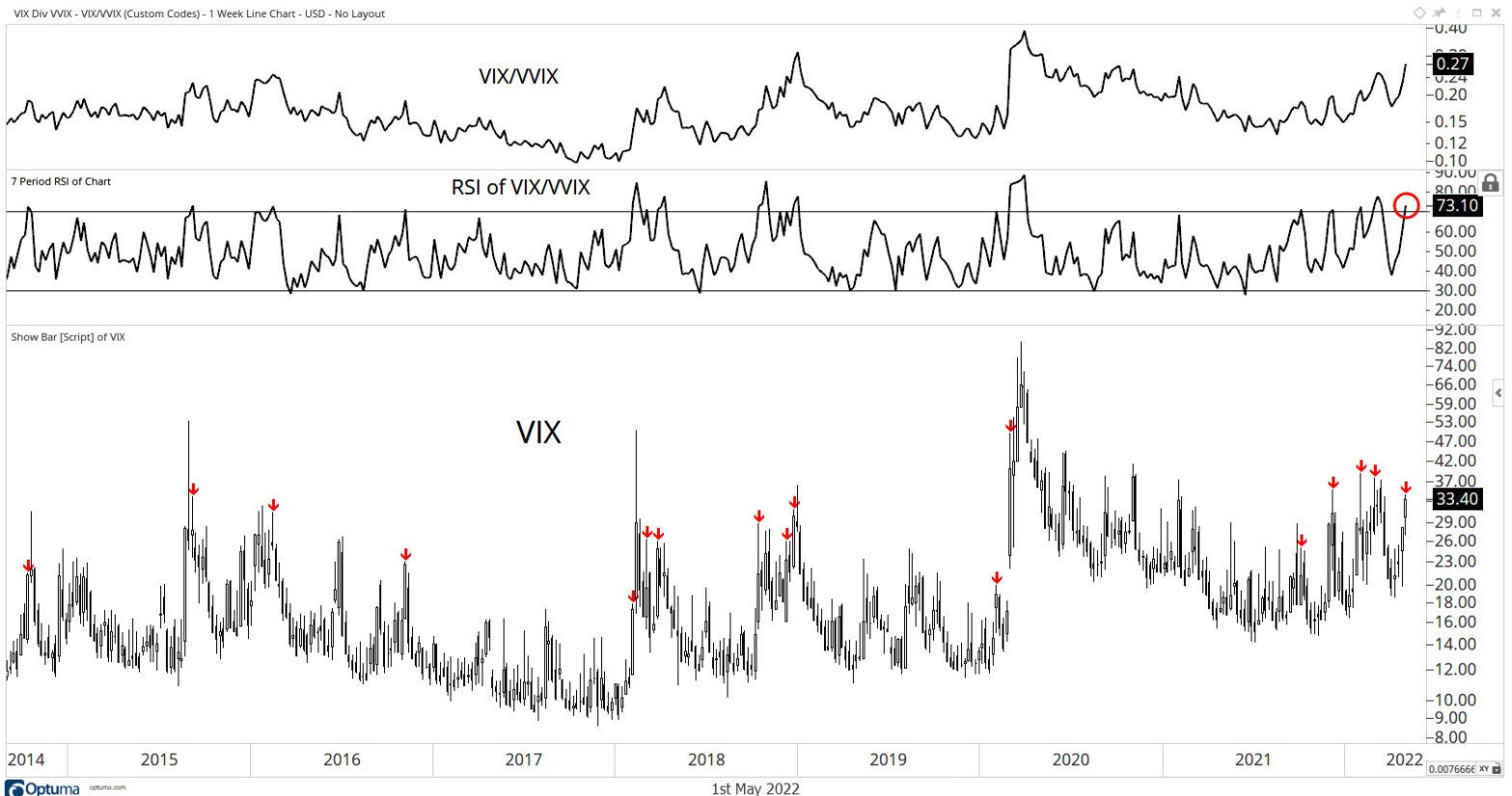
The Daily Sentiment Index (DSI) for the S&P 500 made a higher-low with last week's lower-low in price. This sets up a potential bullish divergence that also lends to why I think we could see a short-term bounce. In March we had % bullish at 11% and were 20% on Friday. While everyone is focused on (in my opinion) lesser quality sentiment data such as AAI, DSI data suggests a slightly less bearish bias on Friday's decline.



VOLATILITY - OVERBOUGHT RSI



The final reason I think we could see a bounce, is the momentum for the ratio between VIX and VVIX become "overbought" with Friday's expansion in volatility. This has often (but not always) marked a high in spot VIX as the rise in spot VIX outpaces the move in VVIX, sending the 7-day momentum indicator above 70. Note the red arrows on the chart below for prior occurrences.



EQUITIES - COUNTER-TREND RALLY TA

While on the topic of short-term counter-trend rallies within a larger long-term down trend, I think keeping in mind what happened following the dot-com bubble is a worthy trip into market history. Below is the Nasdaq Composite from 2000 through 2022. There were nine counter-trend rallies over 15%. Some were extremely large, 34-44%. These periods can be extremely frustrating for investors - watching the markets rip higher (and in many cases still not make a higher-high) only to give it all back as sellers resume their control of the tape. This is not an argument for a repeat of the historical precedent but a simple reminder that not every rally is "the bottom" and why it's critical we see improvement in the data to confirm any signs of bullish confidence. This is where our Bullish Confidence Score and Market Health Report can be so critical in being unemotionally data-dependent.



HEDGE FUND STOCKS



A new section of the report I'll be sharing in the new year will be looking at the most important stocks to hedge funds.

Using the Thrasher Analytics Mean Reversion Indicator (TAMRI), I've sorted the stocks by their combined (Absolute & Relative) score, showing the 1st and 4th quartiles. These are not buy and sell recommendations. These lists show stocks that have potential to mean revert higher (when the TAMRI is low) or revert lower (TAMRI is high). I've also included the 1-year z-score of each stock.

This can act as a great source of idea generation of stocks that hedge funds may be active buyers or sellers in the coming weeks. I'll provide an updated list each week.

Update: The list of hedge funds stocks has been refreshed to reflect new positioning.

Name	Ticker	1W Change	1M Change	3M Change	1yr Z-Score	Mean Reversion Score^
Mean Reversion Score 1st Quartile		AVG: -7.95%	AVG: -26.17%	AVG: -33.98%	AVG: -2.162	AVG: -62.82
Shopify Inc	SHOP	-7.21%	-37.19%	-51.07%	-2.138	-89.99
PayPal Holdings Inc	PYPL	2.21%	-22.71%	-46.23%	-1.744	-75.82
Netflix Inc	NFLX	-11.67%	-49.08%	-50.47%	-2.751	-73.42
Meta Platforms Inc	FB	8.89%	-9.62%	-33.56%	-1.833	-61.55
Charter Communications Inc.	CHTR	-16.21%	-23.25%	-27.43%	-2.892	-61.03
Microsoft Corporation	MSFT	1.27%	-8.61%	-9.97%	-0.699	-59.41
Salesforce Inc	CRM	2.63%	-16.63%	-20.79%	-2.009	-58.03
Liberty Broadband Corp - Ordinary Shares	LBRDK	-13.32%	-18.84%	-24.06%	-2.916	-57.64
Carvana Co.	CVNA	-30.79%	-54.90%	-60.30%	-2.129	-54.75
Atlassian Corporation Plc	TEAM	-8.34%	-20.89%	-29.56%	-1.429	-54.54
Twilio Inc - Ordinary Shares Class A	TWLO	-8.93%	-27.77%	-40.59%	-1.926	-54.25
Amazon.com, Inc	AMZN	-13.90%	-24.57%	-13.68%	-3.474	-53.40
Mean Reversion Score 2nd Quartile		AVG: -1.10%	AVG: -17.74%	AVG: -15.03%	AVG: -1.442	AVG: -33.15
Mean Reversion Score 3rd Quartile		AVG: -0.68%	AVG: -11.50%	AVG: -10.44%	AVG: -0.891	AVG: -10.47
Mean Reversion Score 4th Quartile		AVG: -2.67%	AVG: -6.24%	AVG: 2.48%	AVG: -0.054	AVG: 8.47
Bath & Body Works Inc	BBWI	-0.97%	3.87%	-3.22%	-0.914	-5.56
Transdigm Group Incorporated	TDG	-4.68%	-11.95%	-1.55%	-1.385	-3.73
Uber Technologies Inc	UBER	2.11%	-7.57%	-10.59%	-1.619	-1.97
Godaddy Inc	GDDY	-3.42%	-4.38%	10.70%	0.496	3.01
Builders Firstsource Inc	BLDR	0.26%	-9.40%	-7.22%	0.122	5.05
Tesla Inc	TSLA	-13.36%	-13.84%	2.88%	0.146	5.32
Zendesk Inc	ZEN	0.98%	1.30%	29.13%	0.175	8.72
Booking Holdings Inc	BKNG	-0.16%	-1.67%	-8.40%	-0.680	9.66
WillScot Mobile Mini Holdings Corp	WSC	-4.83%	-11.52%	-4.49%	0.309	14.34
Unitedhealth Group Inc	UNH	-2.38%	-0.87%	9.12%	1.453	18.62
Palo Alto Networks Inc	PANW	-1.80%	-9.82%	13.12%	1.020	19.00
Expedia Group Inc	EXPE	-3.80%	-9.06%	0.22%	0.224	29.22

SECTOR PERFORMANCE



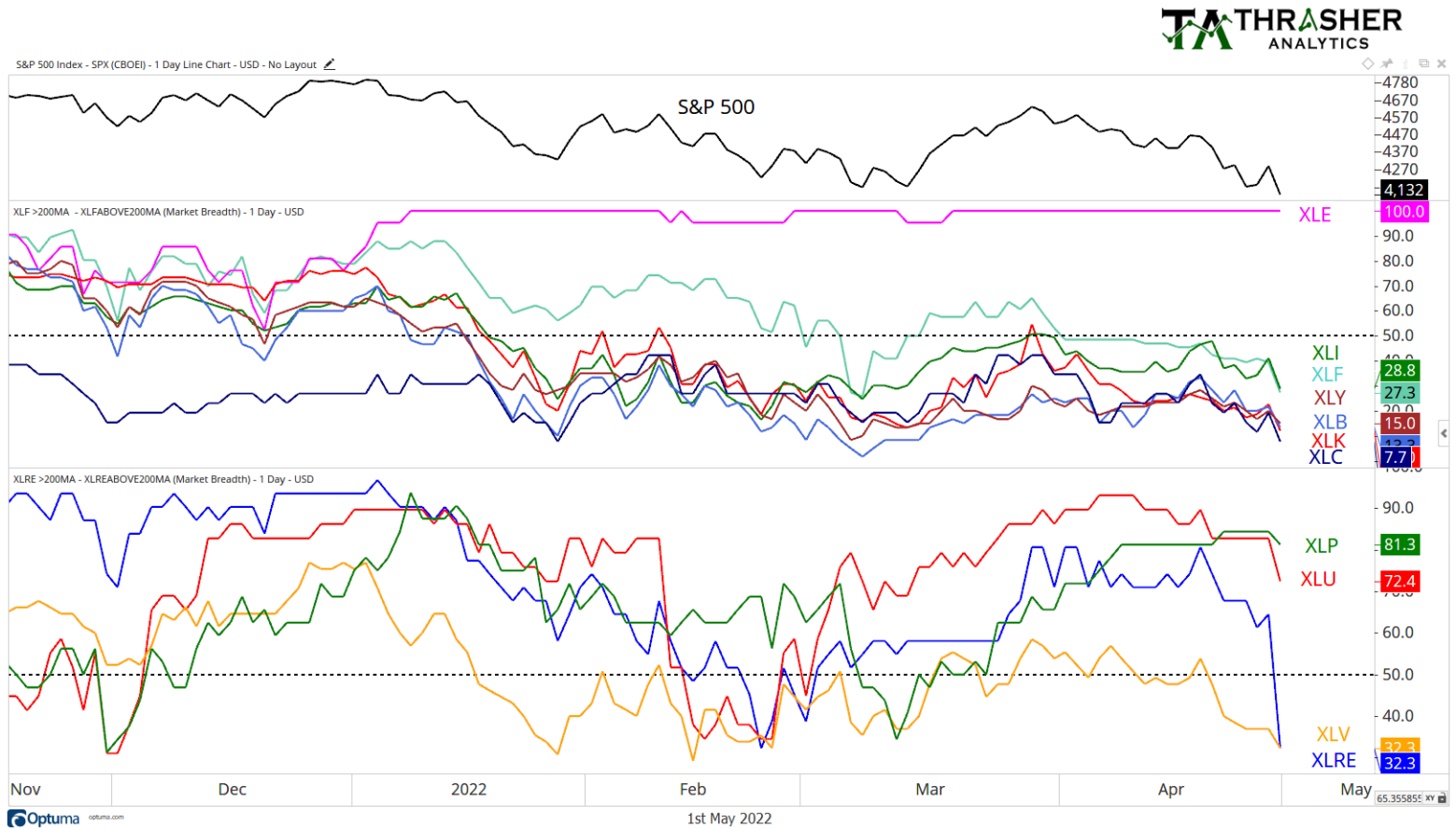
1 Day - Watch List - No Layout - Data to 4/30/2022

Ticker	Name	2022	YTD Rel% to SPX	1W %	1M %	3M %	6M %	% from 52Wk High	% from 52Wk Low	% From 20MA	% From 50MA	% From 200MA
- Index		AVG: -2.14%			AVG: 18.17%			AVG: 1.11%		AVG: -6.25%		
DJI	Dow Jones Industrial Average	-9.25%	4.68%	-2.47%	-6.56%	-5.03%	-7.94%	10.76%	2.18%	-3.90%	-3.31%	-5.73%
SPX	S&P 500 INDEX	-13.31%	0.00%	-3.27%	-10.79%	-6.77%	-10.28%	14.25%	1.85%	-5.91%	-5.72%	-8.03%
IWM	iShares Russell 2000 ETF	-16.86%	-4.10%	-4.01%	-12.64%	-5.28%	-18.90%	24.34%	0.24%	-6.25%	-7.45%	-13.97%
NDY	NASDAQ 100 Index	-21.23%	-9.14%	-3.76%	-15.65%	-11.07%	-18.90%	23.32%	0.15%	-7.95%	-8.54%	-14.77%
- Sectors		AVG: 7.72%			AVG: 13.89%			AVG: 12.32%		AVG: -3.98%		
XLP	SPDR Consumer Staples Select Sector Fund ETF	0.69%	16.14%	-2.02%	2.13%	2.59%	8.97%	4.55%	13.64%	-1.13%	2.04%	5.34%
XLE	SPDR Energy Select Sector Fund ETF	35.41%	56.19%	-1.38%	-1.89%	14.51%	30.76%	7.80%	66.48%	-3.00%	-0.08%	24.16%
XLU	SPDR Utilities Select Sector Fund ETF	-0.45%	14.83%	-4.03%	-3.61%	4.86%	6.50%	7.73%	13.13%	-5.18%	-1.19%	3.64%
XLB	SPDR Materials Select Sector Fund ETF	-6.16%	8.25%	-0.83%	-5.14%	2.17%	-0.11%	7.88%	8.66%	-3.17%	-0.87%	-0.37%
XLRE	SPDR Real Estate Select Sector Fund ETF	-10.06%	3.75%	-5.61%	-5.15%	-0.47%	-2.55%	10.68%	13.60%	-5.09%	-1.64%	-1.75%
XLV	SPDR Health Care Select Sector Fund ETF	-7.52%	6.67%	-2.53%	-5.63%	-0.15%	-2.64%	9.15%	8.03%	-5.03%	-2.94%	-2.13%
XLI	SPDR Industrial Select Sector Fund ETF	-10.08%	3.72%	-3.34%	-9.14%	-4.57%	-8.95%	11.81%	1.86%	-4.35%	-4.89%	-7.09%
XLF	SPDR Financial Select Sector Fund ETF	-11.63%	1.94%	-4.59%	-12.63%	-10.87%	-14.28%	17.24%	0.23%	-6.66%	-8.47%	-10.44%
XLK	SPDR Technology Select Sector Fund ETF	-18.66%	-6.18%	-1.16%	-13.50%	-10.49%	-12.45%	20.12%	7.99%	-5.27%	-6.44%	-10.57%
XLY	SPDR Consumer Discretionary Select Sector Fu	-20.33%	-8.10%	-7.36%	-14.96%	-8.55%	-19.03%	24.26%	0.86%	-8.52%	-8.07%	-13.09%
XLC	SPDR Communication Services Select Sector ET	-23.97%	-12.30%	-3.69%	-16.36%	-18.32%	-26.45%	31.61%	1.08%	-9.70%	-11.21%	-22.37%

SECTOR - BREADTH



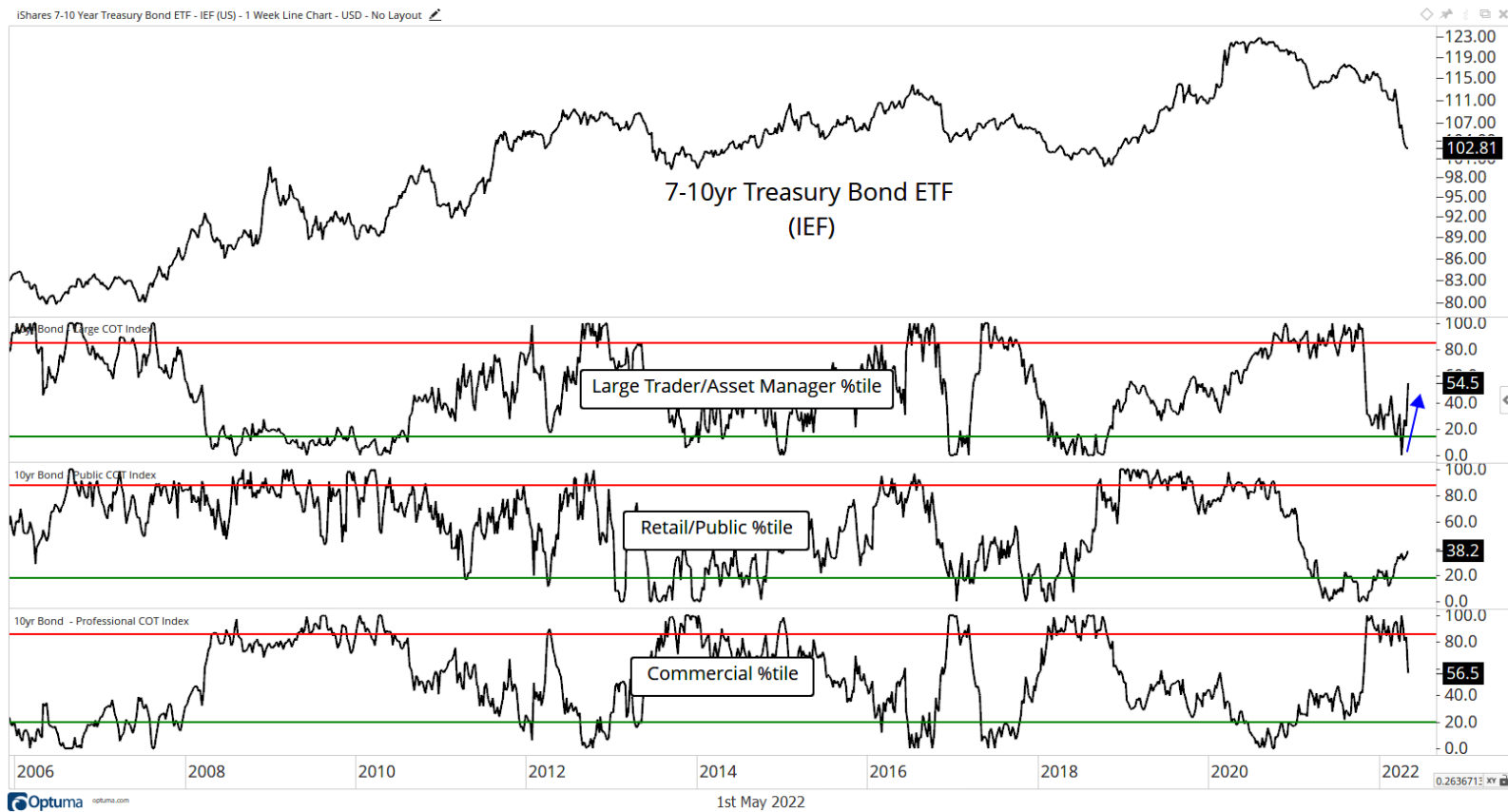
Nearly all (except energy) sectors saw a drop in breadth, notably Real Estate saw a large move lower in % of stocks above the 200-day moving average.



FIXED INCOME - COT



Bonds continue to get slaughtered, and we move into a new week and a new month with plenty of economic data on the docket (ISM, jobs, etc.) along with the expected first 50bps hike by the Fed. But I find it very interesting that Large Traders saw a large move higher in their net position within 10yr Treasury bonds. Their percentile went from less than 5th to 54th over the last couple of weeks. It appears Asset Managers are attempting to call a bond in bonds, likely assuming all the bearishness is baked into at this point. We'll see if they are right.



TA MEAN REVERSION INDICATOR



Below are short-term, intermediate, and major signals produced from improvements in the Thrasher Analytics Mean Reversion Indicator. Please refer to the summery PDF in the newsletter archive on the website for more details.

New TAMRI Signals:	
Blue (short-term):	-
Orange (intermediate):	-
Green (major):	-

DAILY SENTIMENT INDEX



1 Day - Watch List - No Layout

Code	% Bullish ▲	5-day MA	History
Swiss Franc DSI	8	6	
Euro DSI	13	9	
Yen DSI	15	14	
Lean Hog DSI	15	25	
EuroDollar DSI	15	16	
Australian Dollar DSI	15	19	
10Y DSI	15	21	
5YR DSI	15	18	
British Pound DSI	16	10	
Nasdaq DSI	17	17	
SPX DSI	20	22	
Coffee DSI	27	23	
Cattle DSI	27	36	
Bitcoin DSI	27	31	
Lumber DSI	30	29	
Copper DSI	33	41	
Nikkei DSI	35	33	
Silver DSI	37	47	

1 Day - Watch List - No Layout

Code	% Bullish ▲	5-day MA	History
Cocoa DSI	39	38	
Sugar DSI	43	46	
Palladium DSI	43	33	
Platinum DSI	49	43	
VIX DSI	60	54	
Mexican Peso DSI	65	66	
Wheat DSI	67	76	
Gold DSI	68	65	
Soybean DSI	71	69	
CRB Index DSI	71	67	
Crude Oil DSI	77	75	
Natural Gas DSI	86	81	
Cotton DSI	86	78	
Gasoline DSI	87	85	
Corn DSI	87	81	
US Dollar DSI	88	94	
Orange Juice DSI	88	80	
Heating Oil DSI	88	87	

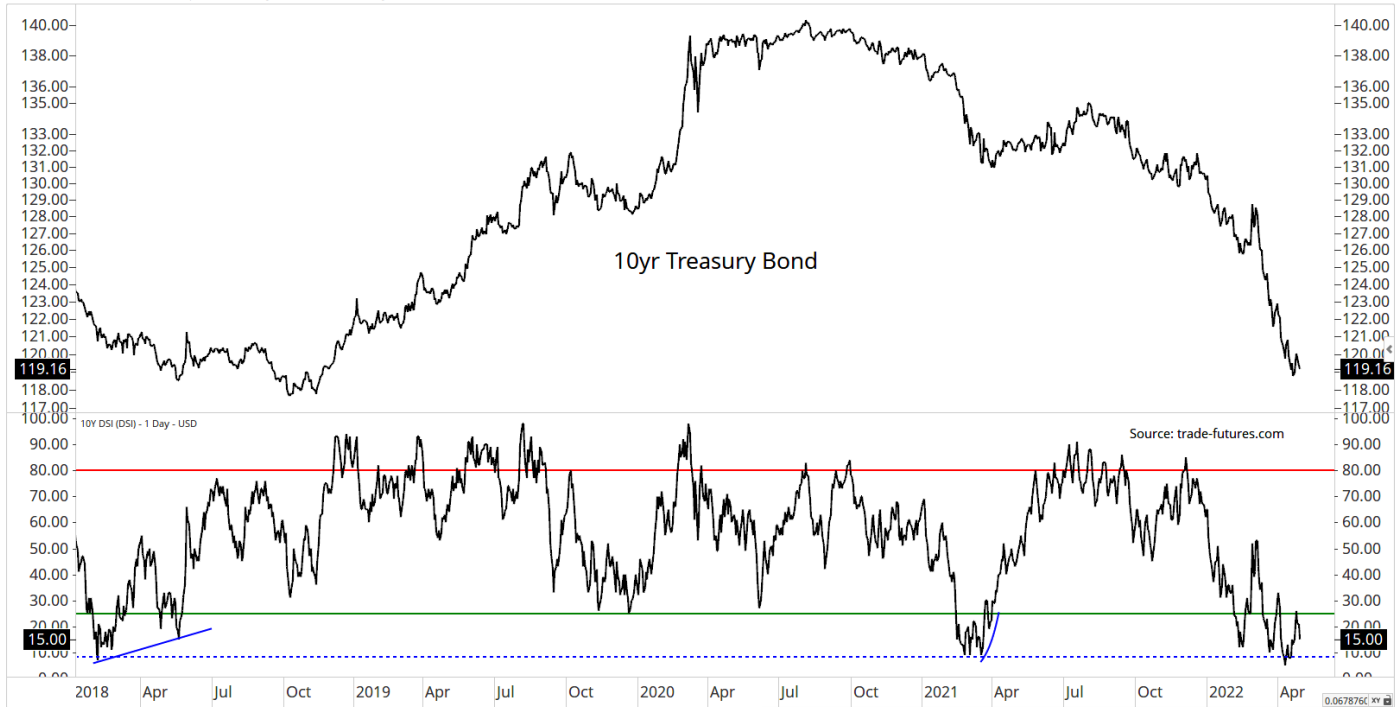
Source: trade-futures.com

DAILY SENTIMENT INDEX



TA THRASHER
ANALYTICS

10-Year T-Note (P) Continuation - TY_Fspot (CBOT) - 1 Day Line Chart - USD - No Layout



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1st May 2022

0.067876; KY

DAILY SENTIMENT INDEX



Bitcoin/United States dollar - BTCUSD (CW) - 1 Day Line Chart - USD - No Layout --- Data from Cryptowatch



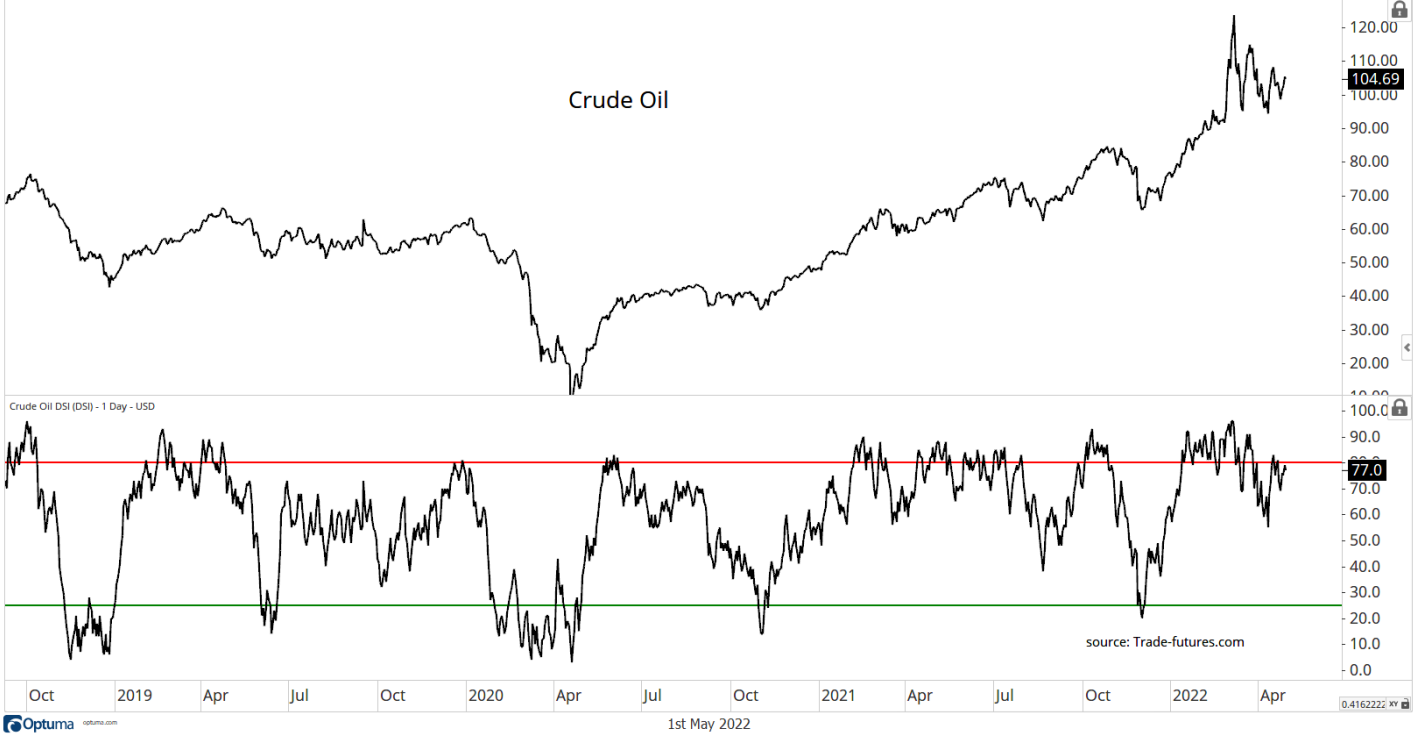
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DAILY SENTIMENT INDEX



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ANALYTICS

Crude Oil Light Sweet NYMEX - OILSW (W) - 1 Day Line Chart - USD - No Layout



DAILY SENTIMENT INDEX



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ANALYTICS

Gold Futures - GCSpot (NYMEX) - 1 Day Line Chart - USD - No Layout



DAILY SENTIMENT INDEX



DAILY SENTIMENT INDEX



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ANALYTICS

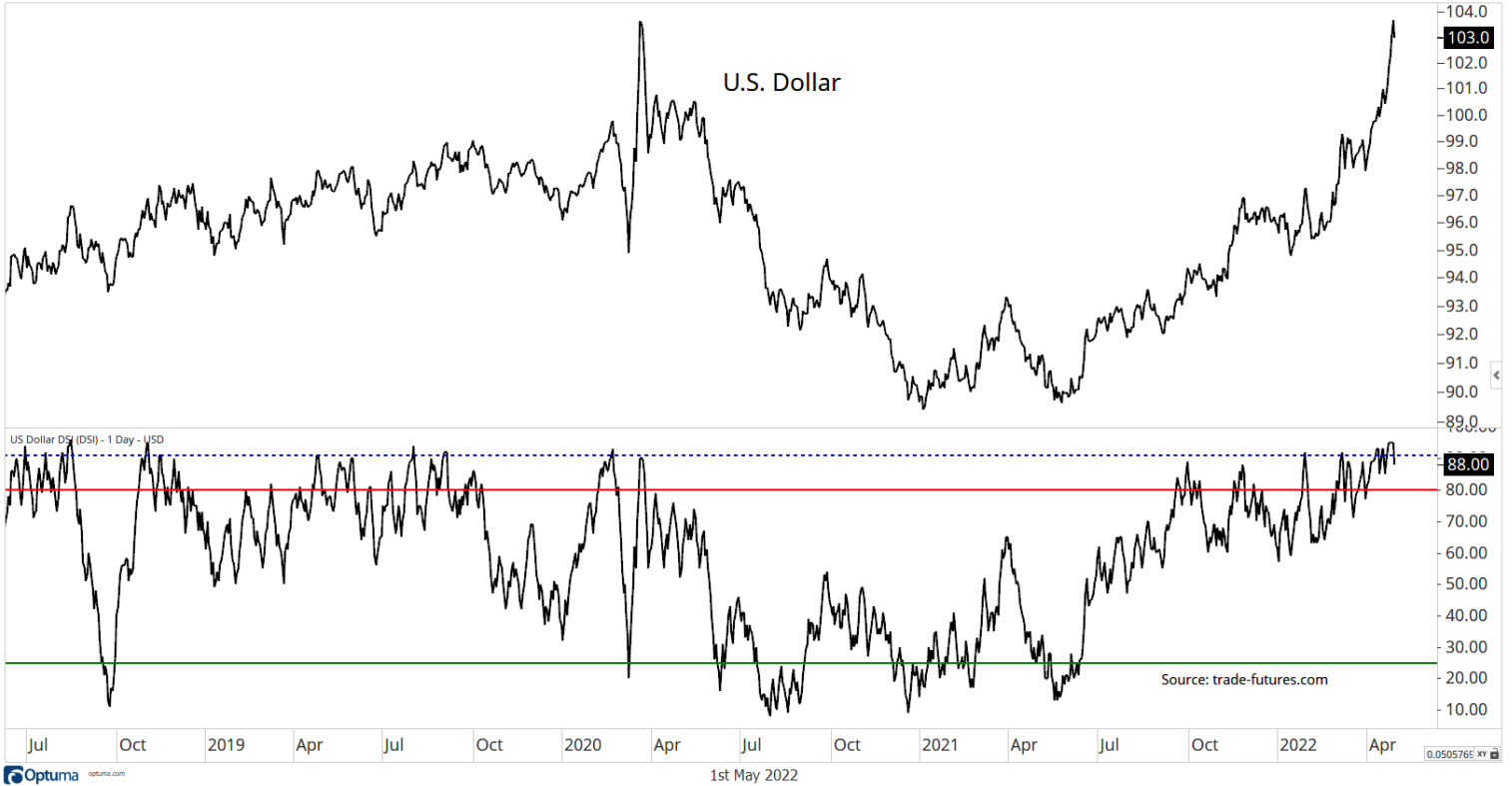
S&P 500 Index - SPX (CBOE) - 1 Day Line Chart - USD - No Layout



DAILY SENTIMENT INDEX



U.S. Dollar Index - DXSpot (AFUT) - 1 Day Line Chart - USD - No Layout

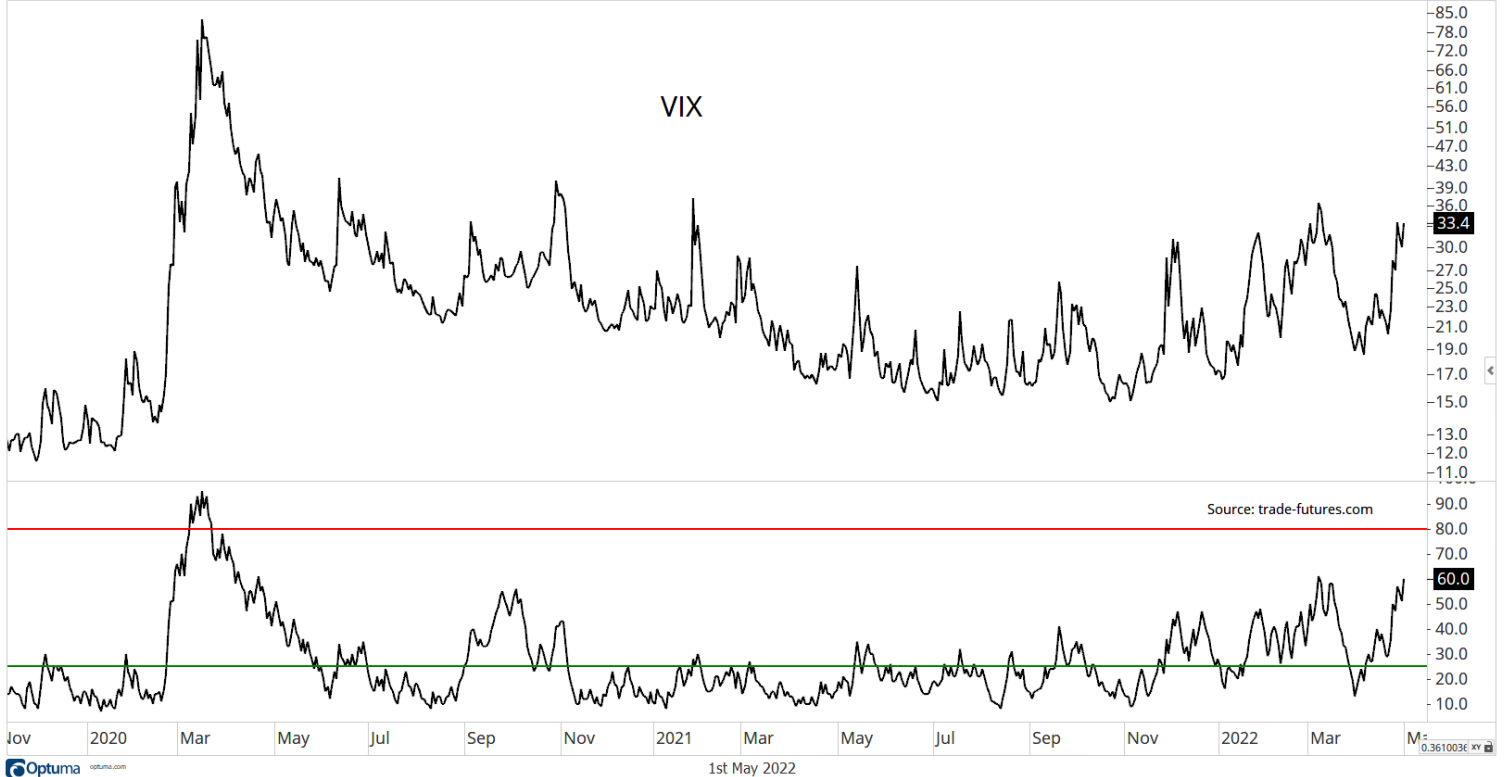


DAILY SENTIMENT INDEX



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ANALYTICS

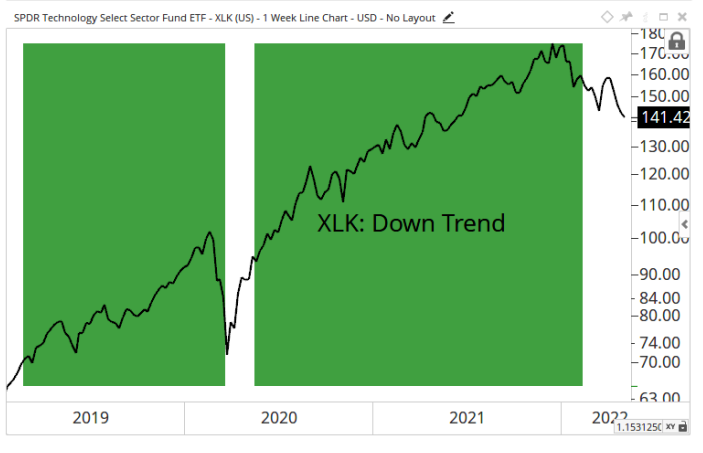
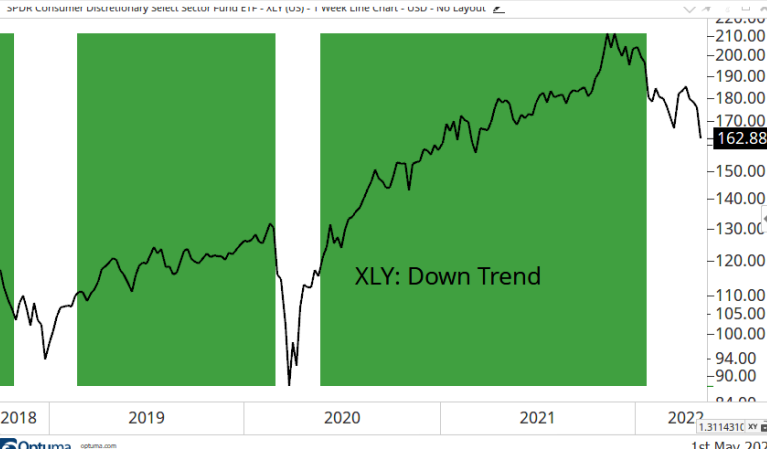
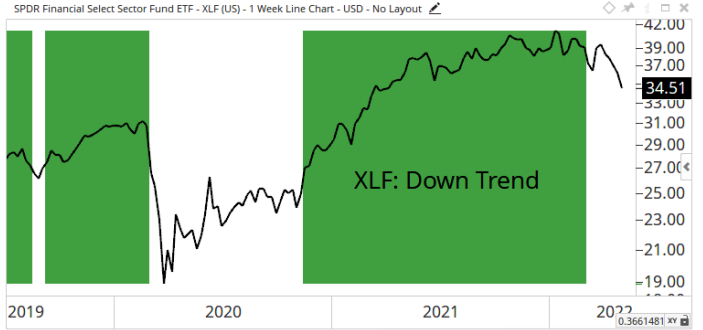
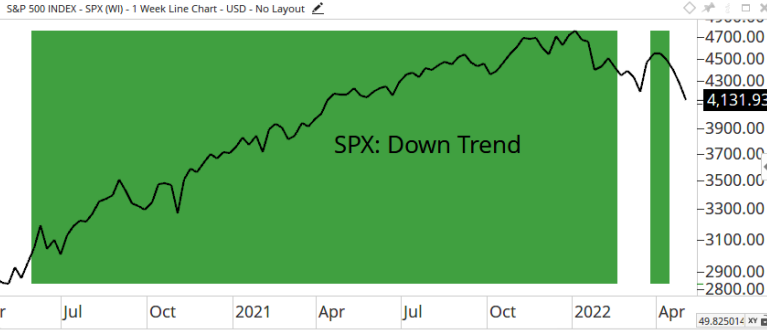
CBOE S&P 500 Volatility Index - VIX (CBOE) - 1 Day Line Chart - USD - No Layout



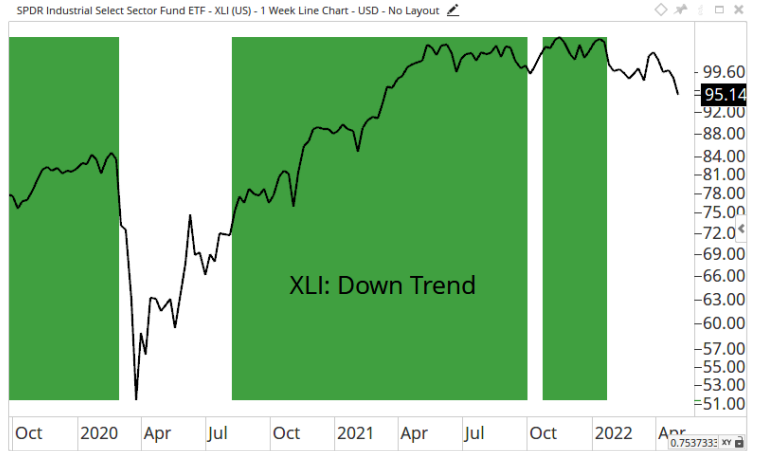
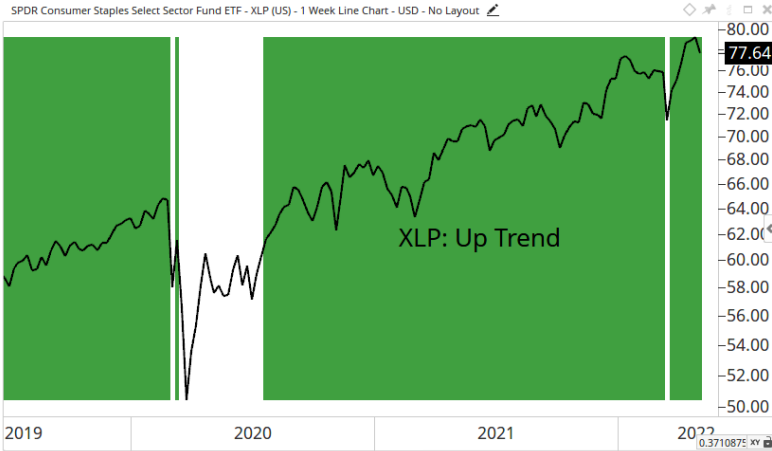
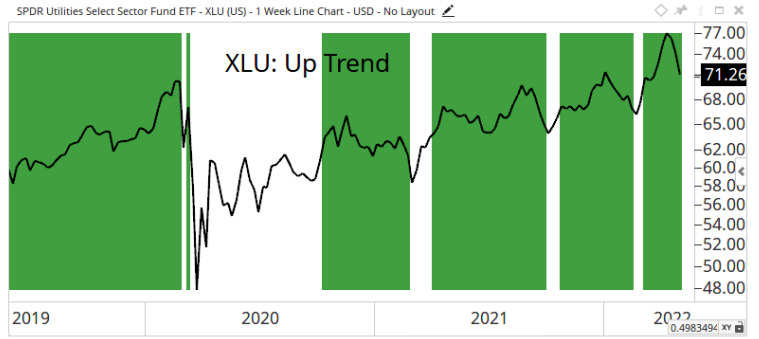
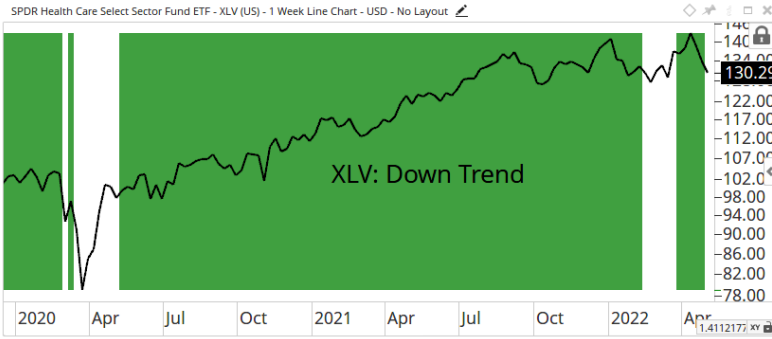
TREND MODELS



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ANALYTICS

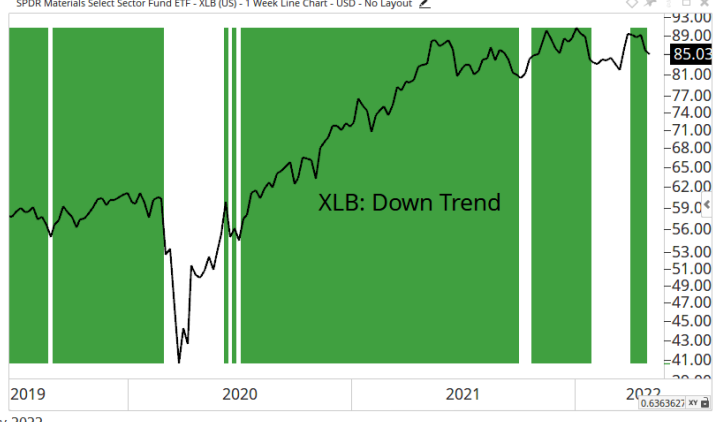
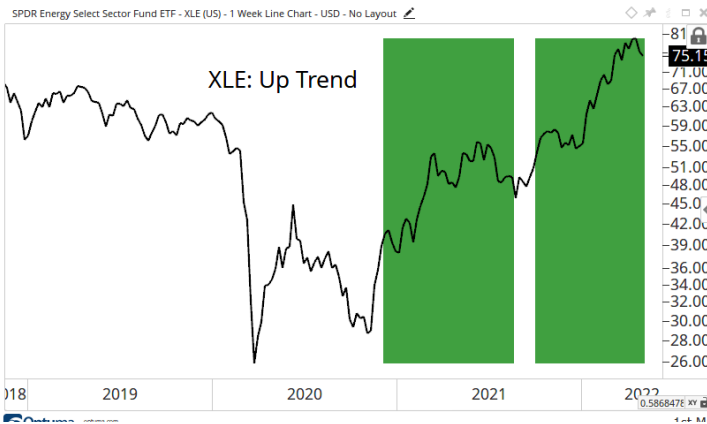
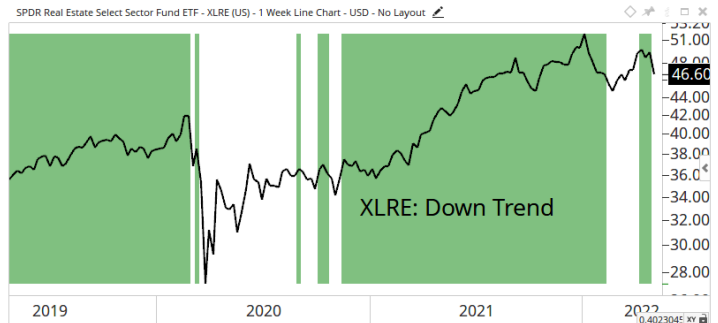
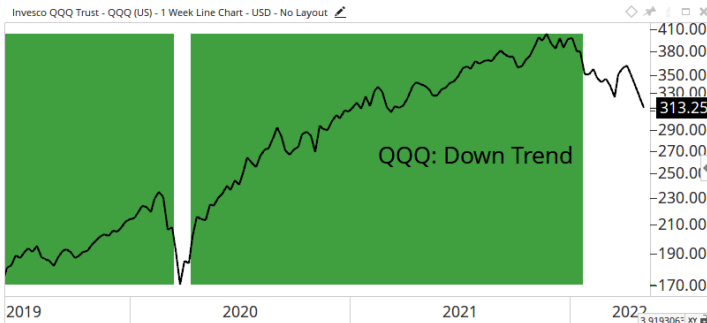


TREND MODELS



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TREND MODELS



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