

TA THRASHER ANALYTICS

DECEMBER 26, 2021



WEEKLY RESEARCH & ANALYSIS

BY ANDREW THRASHER, CMT

Bullish

- Trend Model remains positive for all sector.
- Seasonality.
- Hard metal buyers.

Bearish

- Weakening breadth.
- Few new highs.
- Low MHR.
- Elevate drawdown data.
- Defensive sector leadership.

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Technology	XLK

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Muni Bond	MUB

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Index & Sector		
	Up Trend	Down Trend
SPX	X	
QQQ	X	
XLFX	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	83%	71%
Nasdaq 100	76%	66%
Nikkei	65%	57%
VIX	36%	41%
10yr Treasury	67%	71%
5yr Treasury	72%	75%
CRB Index	62%	54%
Gold	48%	43%
U.S. Dollar	65%	71%
Bitcoin	45%	37%

*Green<25% Red>80%

source: trade-futures.com

Brief Summary:

The S&P 500 finished the shortened holiday week with a new marginal new high. With a closing new 52-week, the index is basically flat over the last two months, trading sideways with minor new highs that have quickly been given back for a few days as dip buyers mettle gets tested. Volume drops off this week, as does volatility which has historically been a low in spot VIX coming into the new year. The low volume rally has setup many new Thrasher Analytics Mean Reversion Indicator (TAMRI) signals, notably in the major ARK ETFs, internet ETFs, and Canadian-based cannabis ETF.

The September low in the S&P 500 and Nasdaq 100 has been the major battle area for buyers and sellers with buyers holding the winning record in 2021. The Market Health Report is positive but not still lacking solid support for bulls to rest on at just +2. Until price begins to show any semblance that buyers have exhausted and beginning to acknowledge the bearish internals, the trend remains higher.

In this week's letter I introduce a new section of the letter that looks for opportunities in the top 50 hedge fund stocks. Using the stocks most found in the top ten holdings of hedge funds, then applying the TAMRI to find names that are ripe for bounces or to revert lower. These aren't trade signals but provide an excellent source of idea generation.

Gold has been consolidating all year, coiling as we head into the new year. Palladium and Platinum continue to get bought by Large Traders. This setups up for a possible bullish year for hard and precious metals in 2022.

VOLATILITY: VRT



As to be expected, volatility declined last week during the holiday-shortened week, with spot finishing at 18 on Thursday. VRT 2.0 remains below the signal threshold.



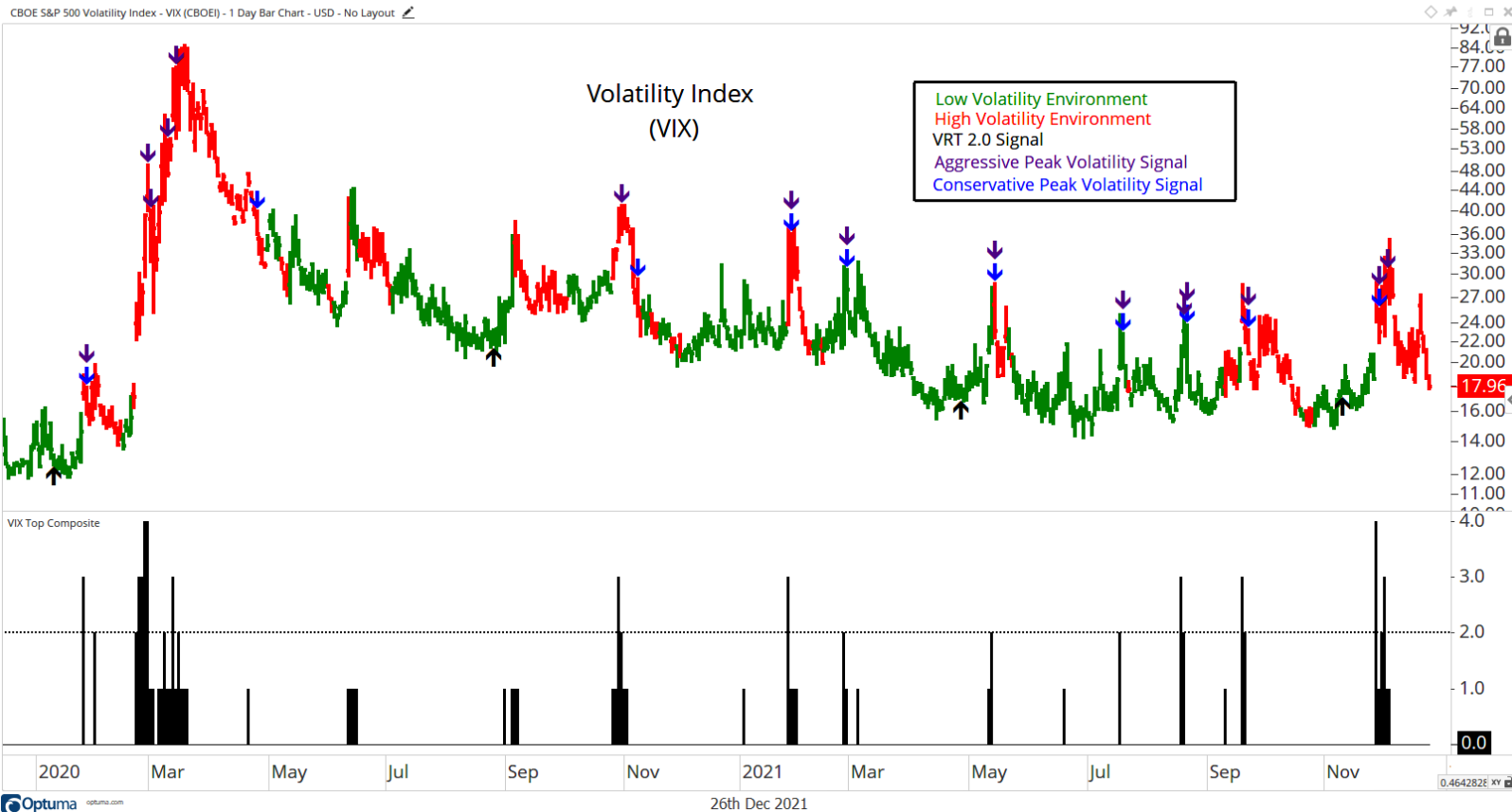
CBOE S&P 500 Volatility Index - VIX (CBOE) - 1 Day Line Chart - USD - No Layout



VOLATILITY: TOP & ENVIRONMENT



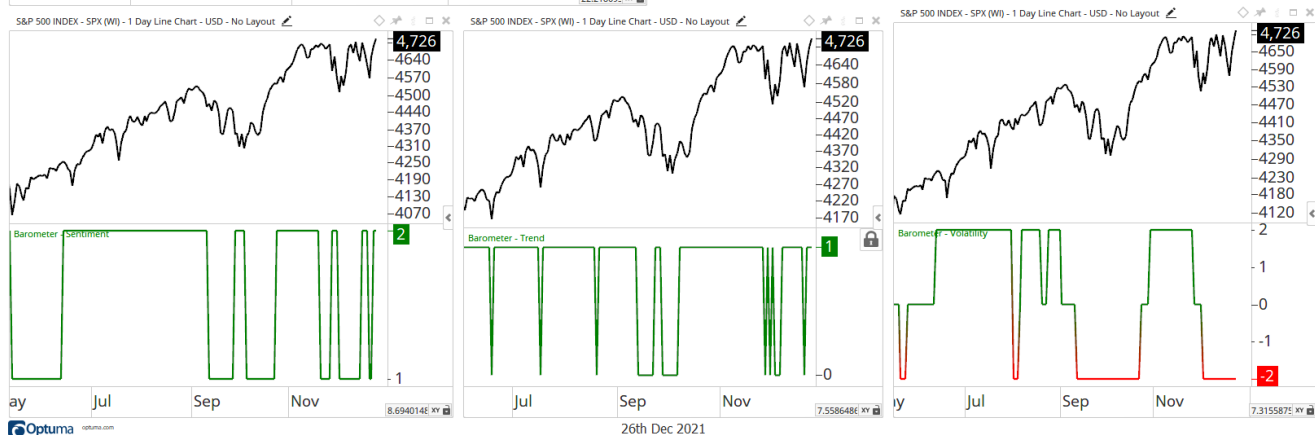
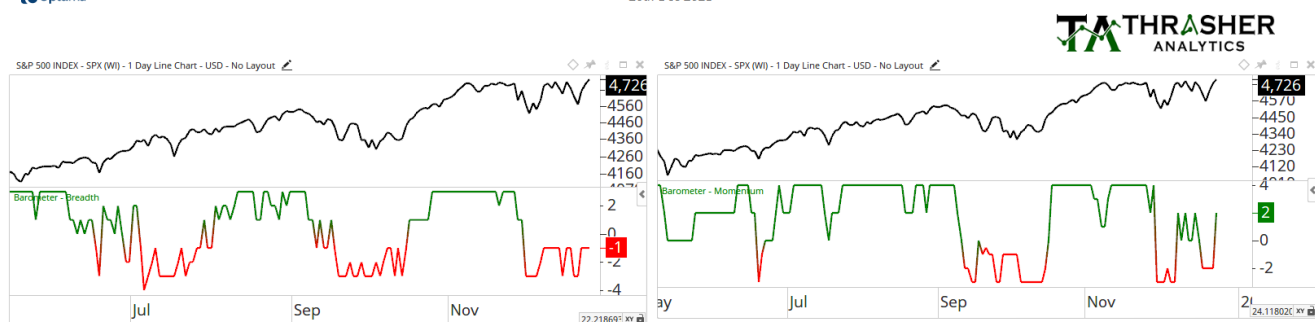
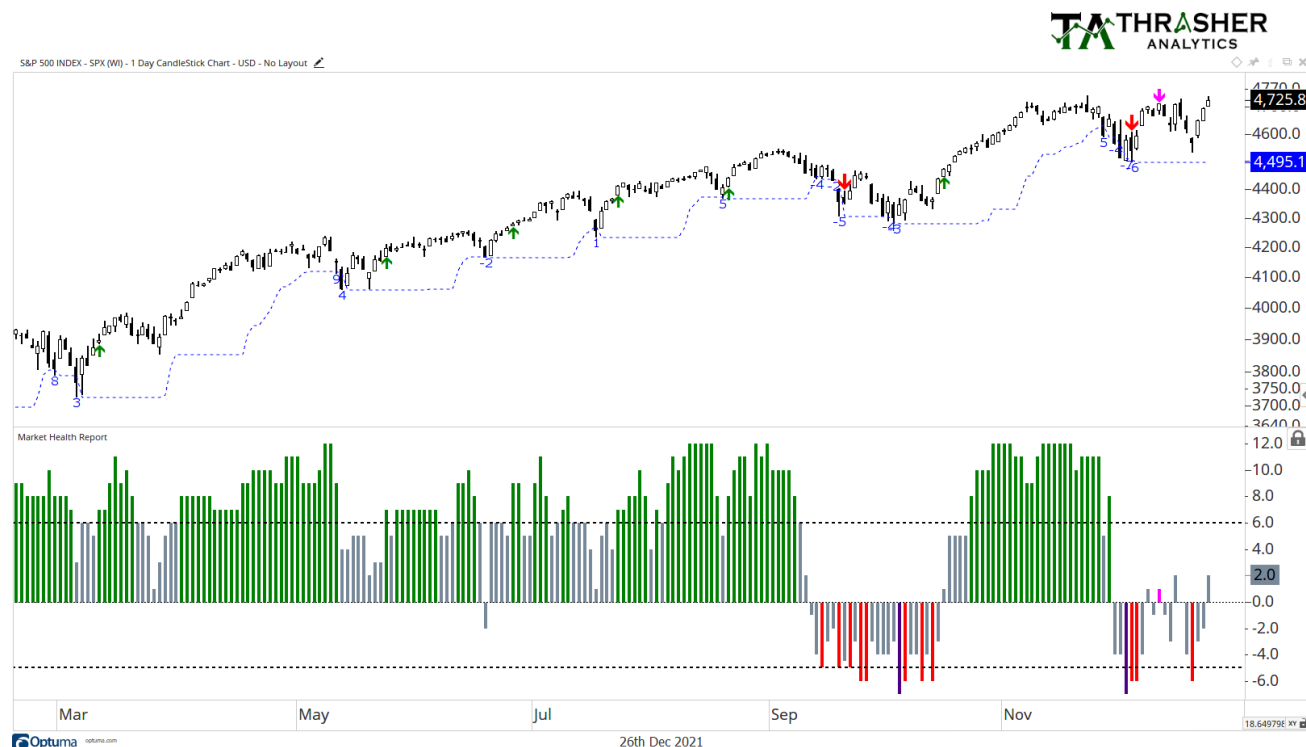
We remain in a High Volatility Environment with spot VIX at 18.



MARKET HEALTH REPORT



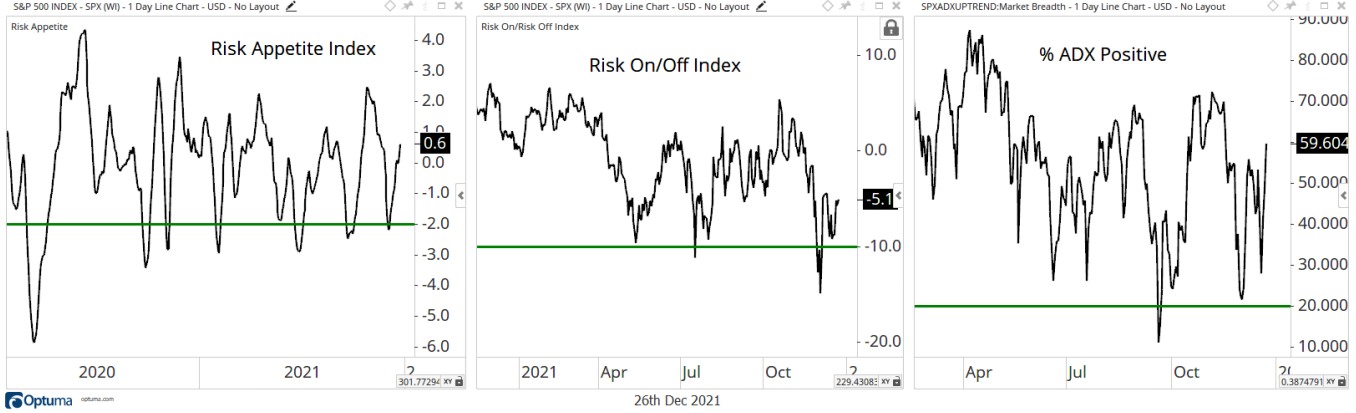
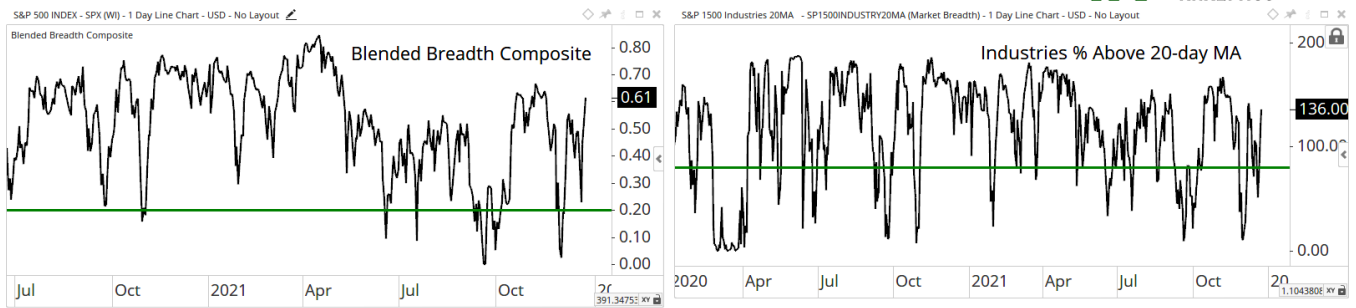
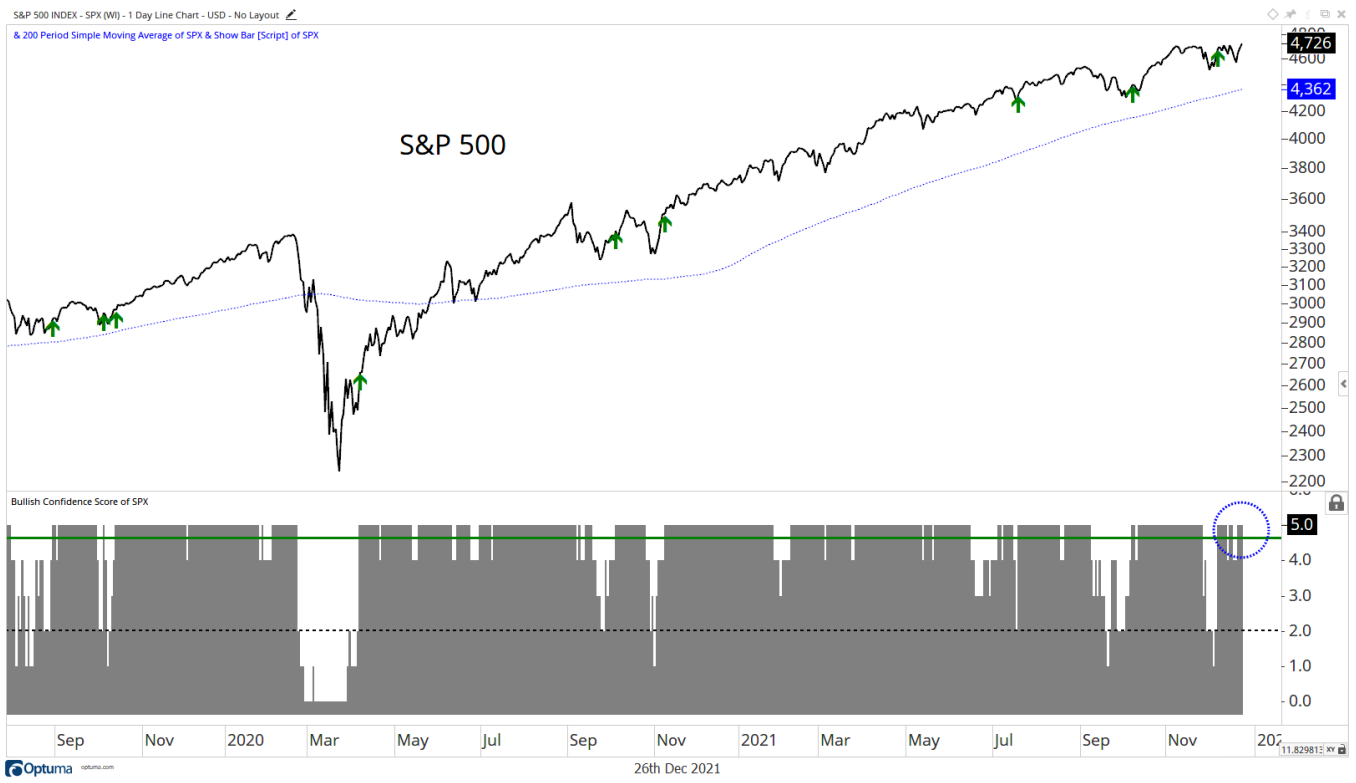
The Market Health Report (MHR) moved up to +2 with improvement in the momentum category. With a new high on Thursday, once again we have price action showing strength while the Market Health Report, while positive, still at a less encouraging level. On the bullish side, three of the five categories are above zero but we still haven't had a MHR above +6 in several weeks.



BULL CONFIDENCE SCORE



As of Thursday, all 5 categories above back above their threshold levels and the Bullish Confidence Score is +5.



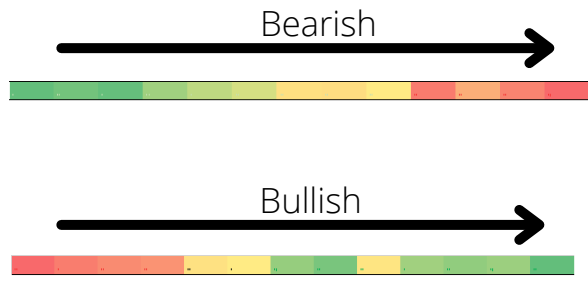
RISK APPETITE RATIO



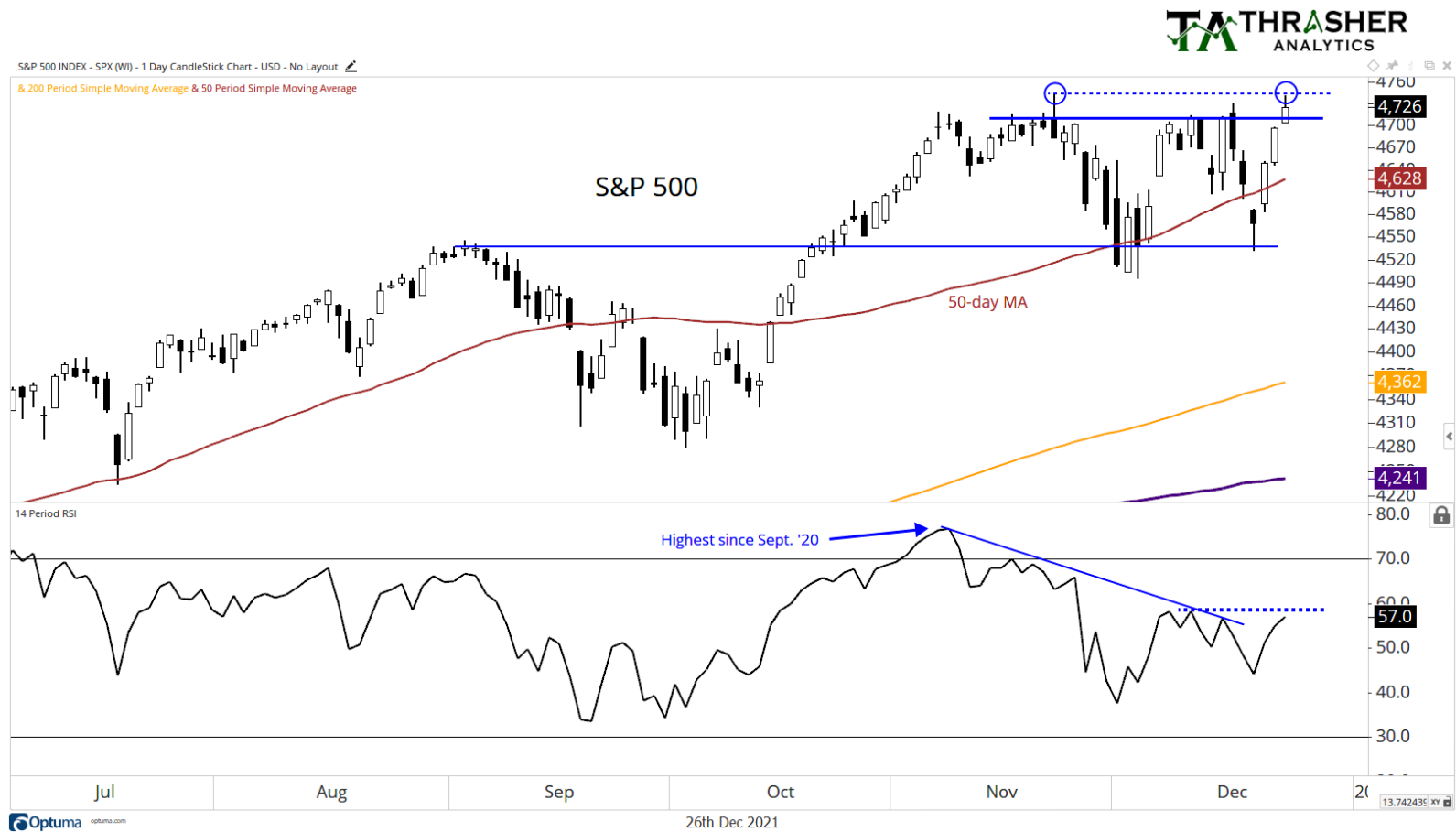
Below is a table of 18 gauges of risk appetite such as offense vs. defense sectors, foreign markets vs. domestic, small vs. large cap, lumber vs gold, high beta vs. broad market, high yield debt vs. Treasury debt, etc. The table shows each ratio's 1-year percentile going back the last 3-months (35 trading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

The average Risk Appetite Ratio percentile improved by the end of last week, closing Thursday at an average of 44th percentile. While higher than the week before, this is still below average and suggests that some corners of the market remain cautious compared to levels shown over the last year.

Risk Metric	-36	-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	0.00	0.00	0.00	0.02	0.02	0.03	0.08	0.07	0.06	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.08	0.08	0.06	0.05	0.04	0.04	0.05	0.03	0.00	0.01	0.00	0.02	0.04	0.03	0.03	0.02	0.02	
EAFE vs. SPX	0.03	0.00	0.00	0.00	0.01	0.00	0.02	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.08	0.07	0.09	0.08	0.08	0.08	0.07	0.03	0.00	0.01	0.00	0.04	0.05	0.09	0.06	0.05	0.05	
HY Debt vs. Treasury	0.55	0.51	0.45	0.45	0.38	0.46	0.45	0.48	0.55	0.56	0.51	0.49	0.42	0.47	0.54	0.45	0.27	0.35	0.19	0.15	0.18	0.11	0.22	0.30	0.40	0.34	0.37	0.27	0.27	0.35	0.33	0.26	0.29	0.35	0.30	0.37
High Beta vs. SPX	0.67	0.66	0.73	0.74	0.72	0.65	0.69	0.68	0.68	0.68	0.65	0.63	0.60	0.60	0.61	0.61	0.52	0.55	0.52	0.44	0.49	0.44	0.47	0.51	0.53	0.49	0.46	0.38	0.38	0.37	0.33	0.39	0.35	0.45	0.44	0.46
Home Construction vs. SPX	0.29	0.30	0.35	0.35	0.46	0.42	0.45	0.49	0.46	0.52	0.56	0.55	0.57	0.57	0.59	0.57	0.57	0.53	0.53	0.61	0.72	0.73	0.79	0.74	0.76	0.77	0.80	0.74	0.71	0.71	0.65	0.61	0.59	0.62	0.67	0.65
Offense vs. Defense Sectors	0.93	1.00	1.00	1.00	0.95	0.85	0.87	0.92	0.90	0.96	0.93	0.97	0.96	0.93	0.94	0.82	0.86	0.90	0.81	0.86	0.72	0.73	0.82	0.83	0.75	0.76	0.53	0.49	0.45	0.31	0.31	0.23	0.40	0.42	0.48	0.48
Broker-Dealer vs. SPX	0.94	0.83	0.81	0.81	0.79	0.78	0.82	0.81	0.82	0.80	0.73	0.70	0.67	0.73	0.81	0.78	0.73	0.69	0.66	0.67	0.75	0.72	0.72	0.74	0.71	0.69	0.61	0.58	0.63	0.59	0.68	0.62	0.53	0.56	0.55	0.57
Value vs. Growth	0.01	0.00	0.04	0.04	0.06	0.10	0.09	0.05	0.05	0.01	0.00	0.00	0.00	0.07	0.11	0.09	0.08	0.02	0.00	0.03	0.08	0.12	0.14	0.09	0.06	0.09	0.08	0.10	0.15	0.09	0.20	0.18	0.17	0.15	0.12	0.11
Semiconductor vs. SPX	0.56	0.78	0.80	0.91	0.94	0.79	0.90	0.92	0.91	0.96	0.94	1.00	1.00	0.93	0.88	0.92	0.88	1.00	0.99	1.00	0.93	0.92	0.83	0.98	0.94	0.85	0.83	0.74	0.74	0.88	0.69	0.74	0.73	0.82	0.83	0.84
Consumer Disc. Vs. Staples	0.97	0.99	1.00	1.00	0.98	0.91	0.93	0.95	0.93	0.99	0.98	1.00	0.99	0.95	0.91	0.91	0.82	0.83	0.85	0.79	0.85	0.75	0.77	0.84	0.89	0.83	0.80	0.64	0.59	0.58	0.46	0.49	0.44	0.59	0.61	0.64
Small Cap vs. Utilities	0.75	0.77	0.79	0.86	0.82	0.73	0.78	0.79	0.72	0.75	0.69	0.64	0.60	0.59	0.59	0.51	0.45	0.49	0.40	0.42	0.23	0.25	0.29	0.32	0.20	0.17	0.03	0.01	0.01	0.00	0.09	0.07	0.18	0.20	0.23	0.23
Transports vs. Utilities	1.00	0.98	0.97	1.00	0.93	0.88	0.94	0.96	0.92	0.95	0.89	0.90	0.87	0.90	0.93	0.91	0.83	0.81	0.80	0.72	0.78	0.74	0.77	0.75	0.74	0.76	0.75	0.66	0.63	0.59	0.55	0.56	0.49	0.59	0.56	0.62
Equal Weight vs. Cap Weight	0.28	0.18	0.24	0.25	0.30	0.32	0.35	0.31	0.33	0.29	0.25	0.15	0.08	0.14	0.18	0.15	0.09	0.04	0.00	0.00	0.12	0.16	0.20	0.15	0.15	0.14	0.11	0.13	0.14	0.08	0.17	0.18	0.15	0.18	0.14	0.15
Small cap vs. Large Cap	0.29	0.26	0.31	0.32	0.31	0.27	0.31	0.28	0.26	0.25	0.20	0.16	0.13	0.12	0.11	0.10	0.03	0.00	0.00	0.00	0.05	0.00	0.03	0.04	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11
Equities. vs. VIX	1.00	0.97	0.89	0.83	0.78	0.71	0.78	0.90	0.88	0.90	0.83	0.80	0.78	0.69	0.68	0.73	0.29	0.49	0.32	0.21	0.30	0.23	0.33	0.55	0.65	0.56	0.73	0.62	0.53	0.69	0.61	0.55	0.48	0.58	0.73	0.78
Aussie Dollar vs. Yen	0.79	0.80	0.72	0.73	0.70	0.74	0.78	0.77	0.67	0.70	0.62	0.66	0.69	0.67	0.66	0.41	0.42	0.34	0.27	0.29	0.13	0.26	0.36	0.45	0.39	0.42	0.35	0.32	0.45	0.44	0.35	0.32	0.43	0.52	0.59	0.56
Lumber vs. Gold	0.14	0.13	0.13	0.10	0.10	0.06	0.05	0.05	0.16	0.19	0.23	0.27	0.26	0.28	0.28	0.26	0.29	0.32	0.35	0.40	0.38	0.41	0.42	0.44	0.48	0.52	0.55	0.55	0.56	0.55	0.52	0.49	0.46	0.47	0.49	0.49
Copper vs. Gold	0.73	0.69	0.66	0.68	0.66	0.60	0.63	0.65	0.62	0.61	0.54	0.57	0.65	0.72	0.77	0.79	0.67	0.71	0.69	0.66	0.72	0.67	0.72	0.71	0.74	0.72	0.67	0.67	0.68	0.64	0.67	0.65	0.66	0.70	0.72	0.70
AVERAGE	0.55	0.55	0.55	0.56	0.55	0.52	0.55	0.56	0.55	0.56	0.53	0.53	0.52	0.52	0.53	0.51	0.43	0.44	0.42	0.40	0.44	0.41	0.44	0.47	0.49	0.46	0.45	0.39	0.39	0.39	0.37	0.37	0.35	0.41	0.42	0.44



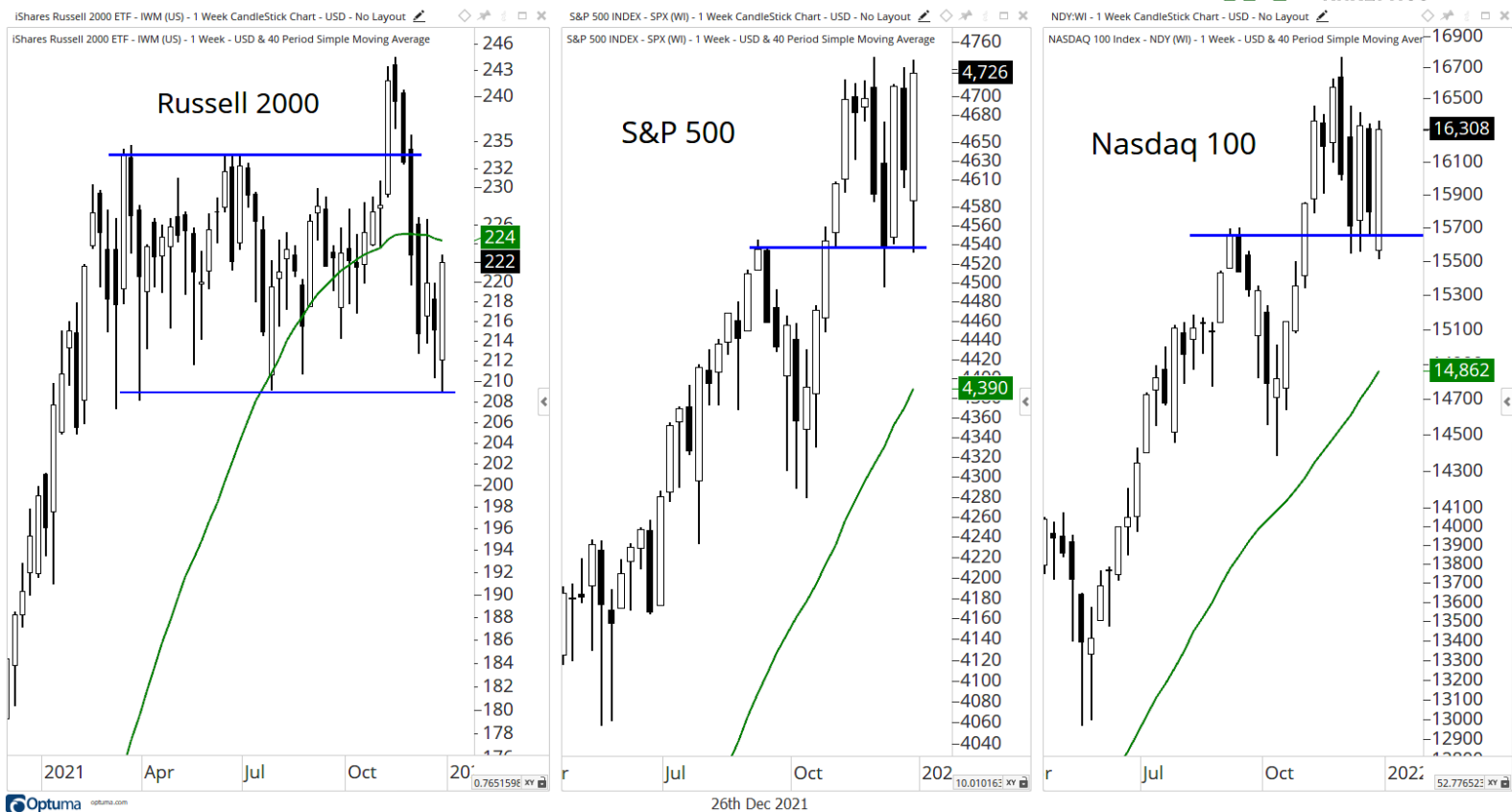
As I mentioned last week, trading volume will drift lower during the holiday week and with it "natural gravity" of the market should be higher when paired with seasonal bullish trends. This concluded with the S&P 500 hitting a new 52-week high on Thursday, with an intraday "kiss" near the prior intraday high in November. While we have hit a couple of marginal new highs, as the chart shows, the large cap index has basically gone nowhere for the last two months. The S&P 500 is up less than 1% over the last 6 weeks and just 29 basis points for the last two weeks. Momentum remains just under the prior swing high.



EQUITIES - KEY LEVELS - 1



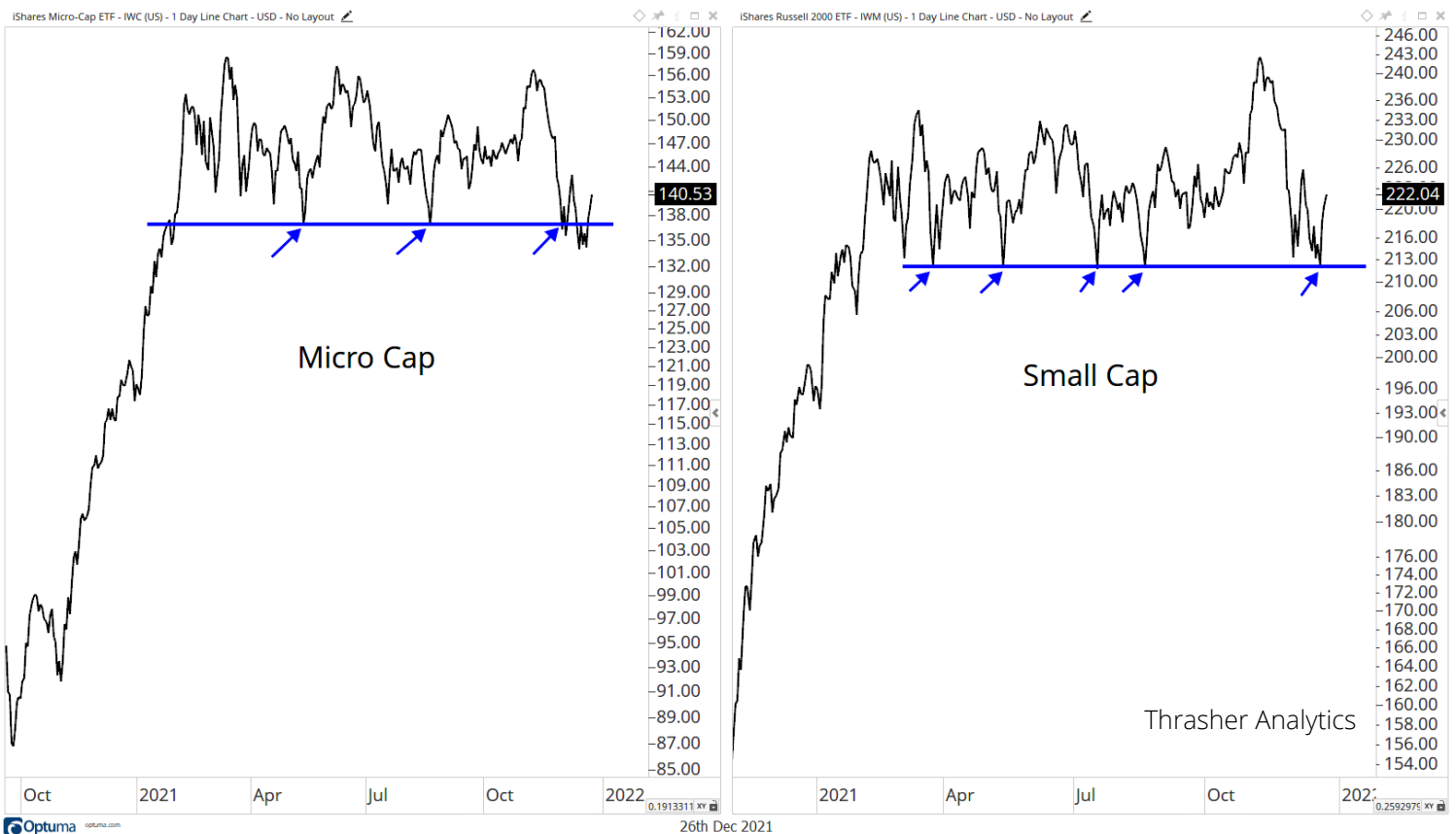
These three charts sum up the bullish thesis for equities right now. With Small Caps unable to break below their year-long support and SPX and Nasdaq 100 holding firm above the September highs, bulls have remained confident buying the dip. While I've discussed the bearish environment happening below the hood of the market, the strength of dip buyers at these levels has been impressive. Until sellers can muster the strength to get a material break, the lack of broad market participation will likely continue to go unobserved.



EQUITIES - KEY LEVELS -2



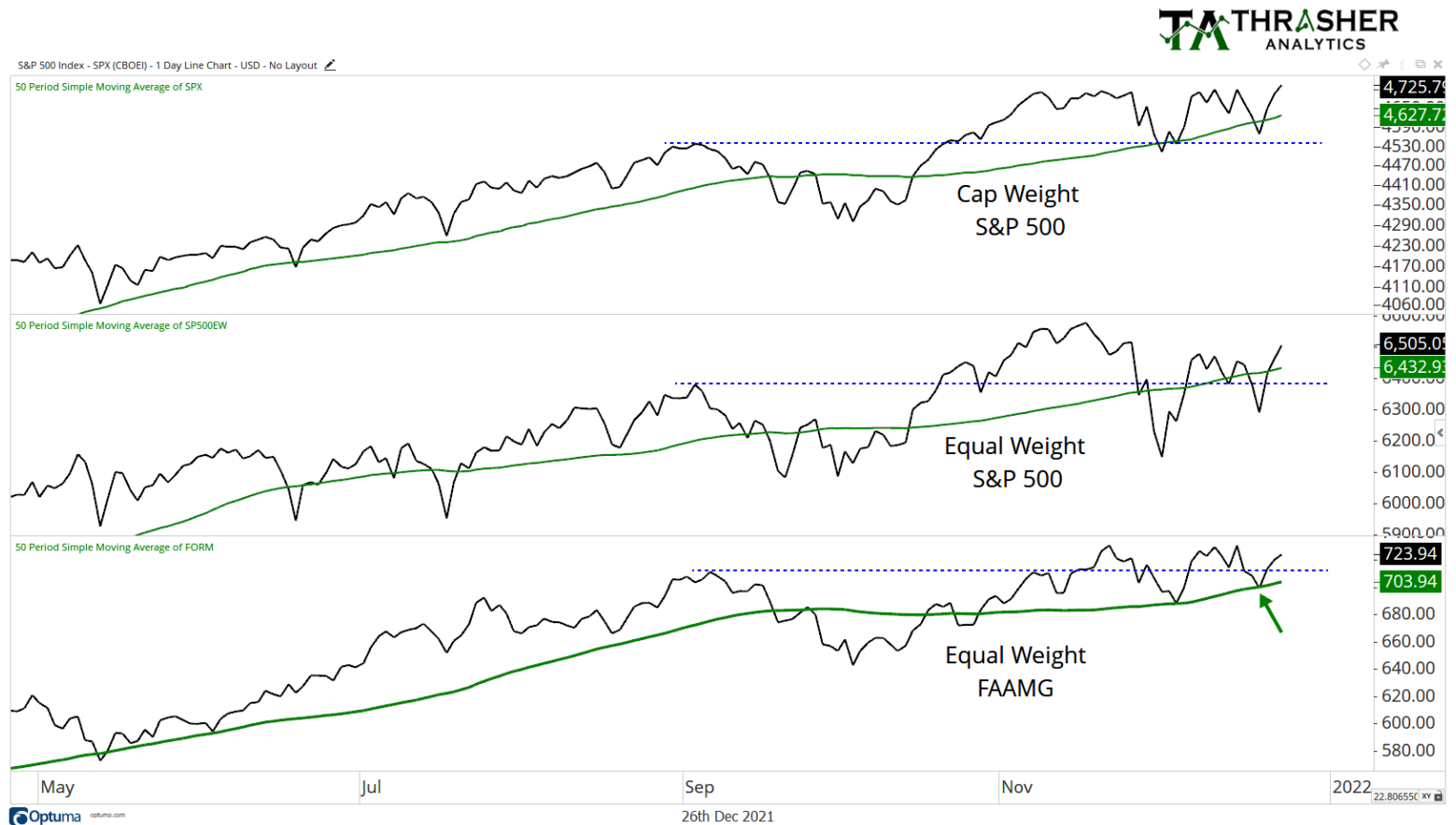
Below is a similar chart as the one on the prior page but focusing on the tinier companies of the market - micro and small caps. The same message applies here, as these support levels hold and the consolidation persists, the bulls remain in control.



EQUITIES - KEY LEVELS -3



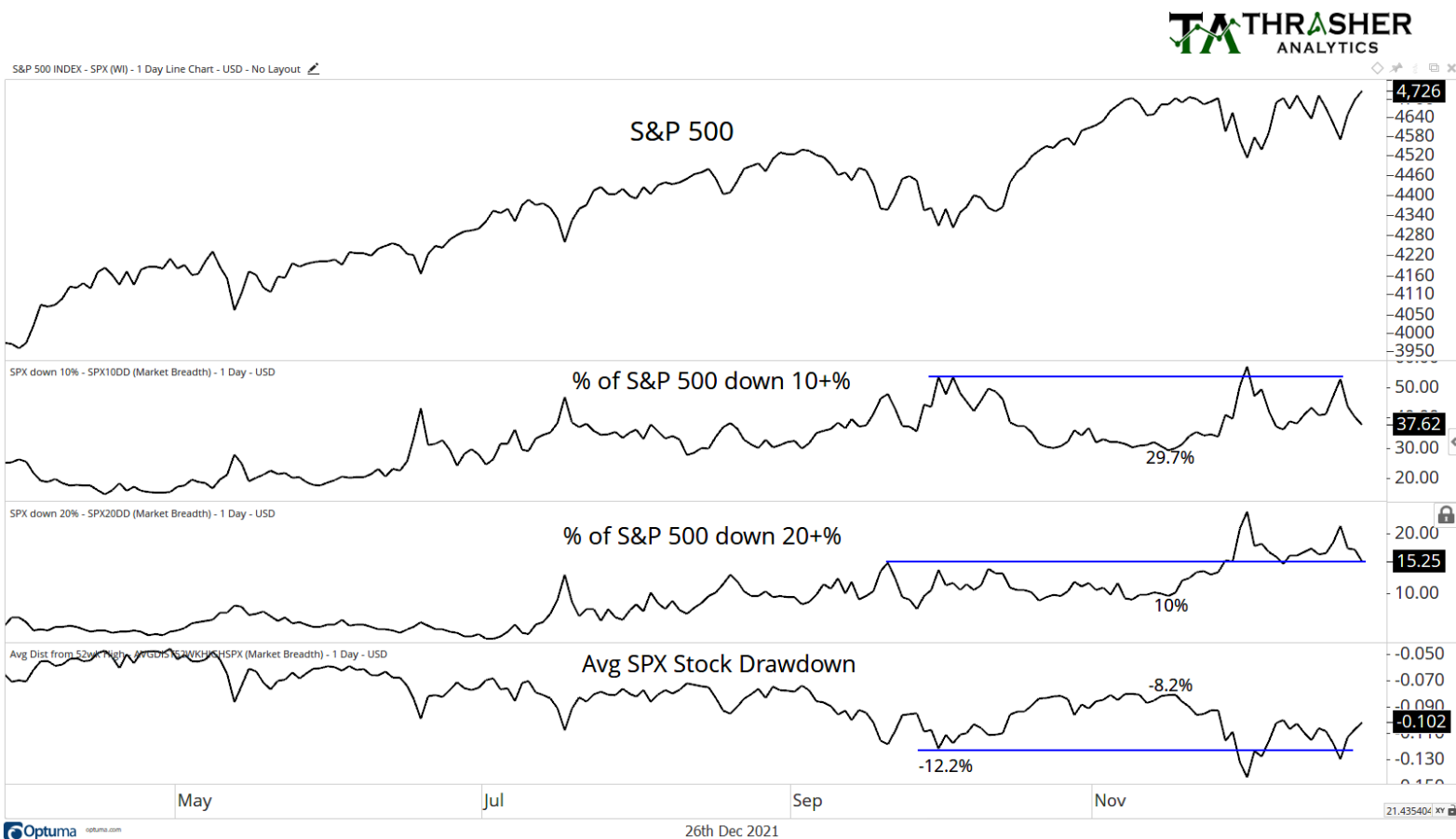
Breaking the large cap market down to cap weight, equal weight, and the mega cap FAAMG names, each remains above the 50-day and prior September highs. While only the cap weight S&P made a new high, the 50-day MA was good support for FAAMG to bounce on and give the needed push last week.



EQUITIES - DRAWDOWN



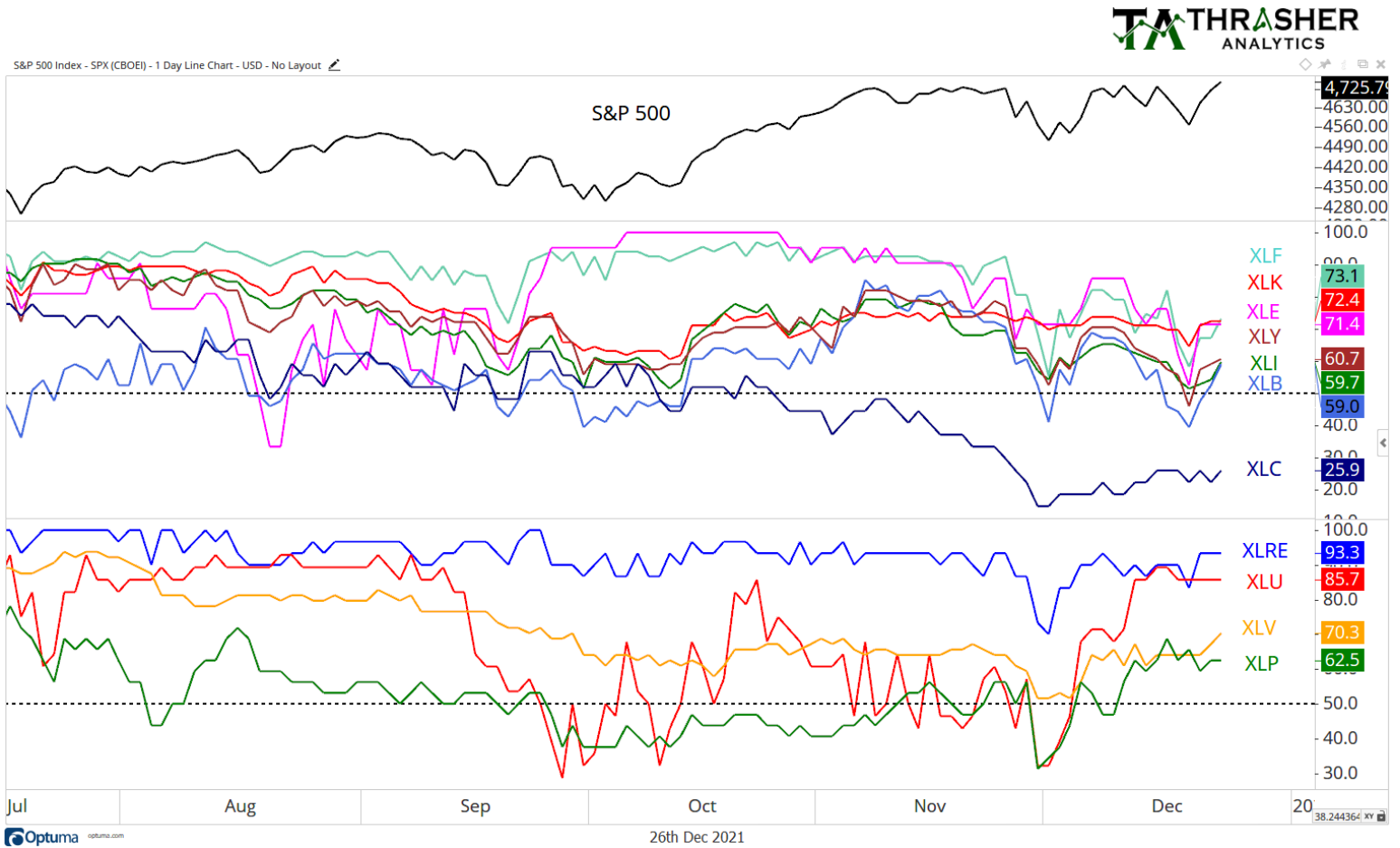
Here's an update to drawdown data. Improvement was made across the three categories and while the index made a marginal new high we still are in an environment of the average large cap stock being down 10% and over 15% of stocks experiencing a 20+% decline.



EQUITIES - SECTOR BREADTH



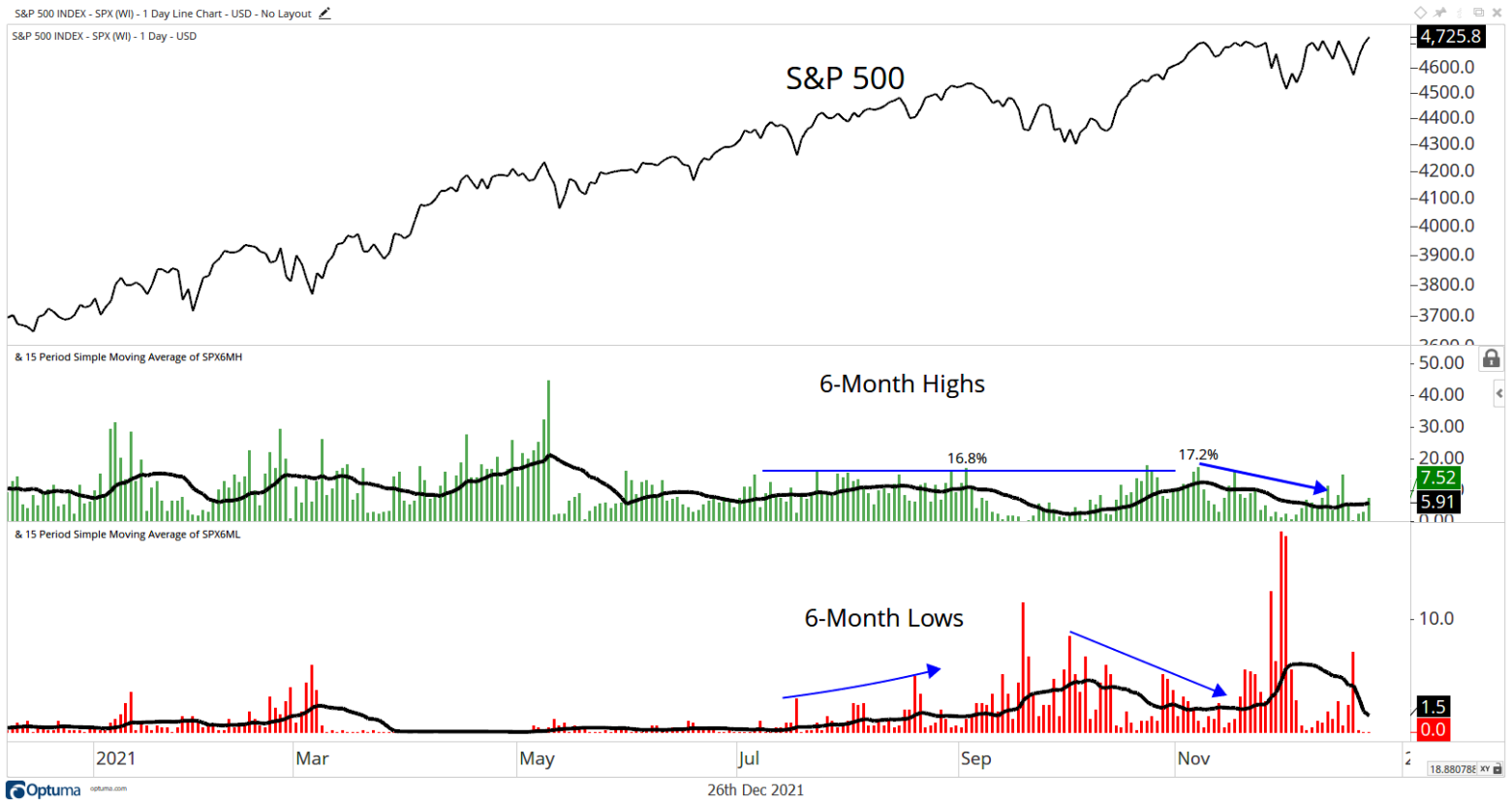
We now have all but one sector with an average % of stocks above the 200-day moving average north of 50%. The strength still sits primarily in the defense sectors (bottom panel) as just three offense sectors have more than 70% of stocks above the long-term average.



EQUITIES - 6-MONTH HIGHS

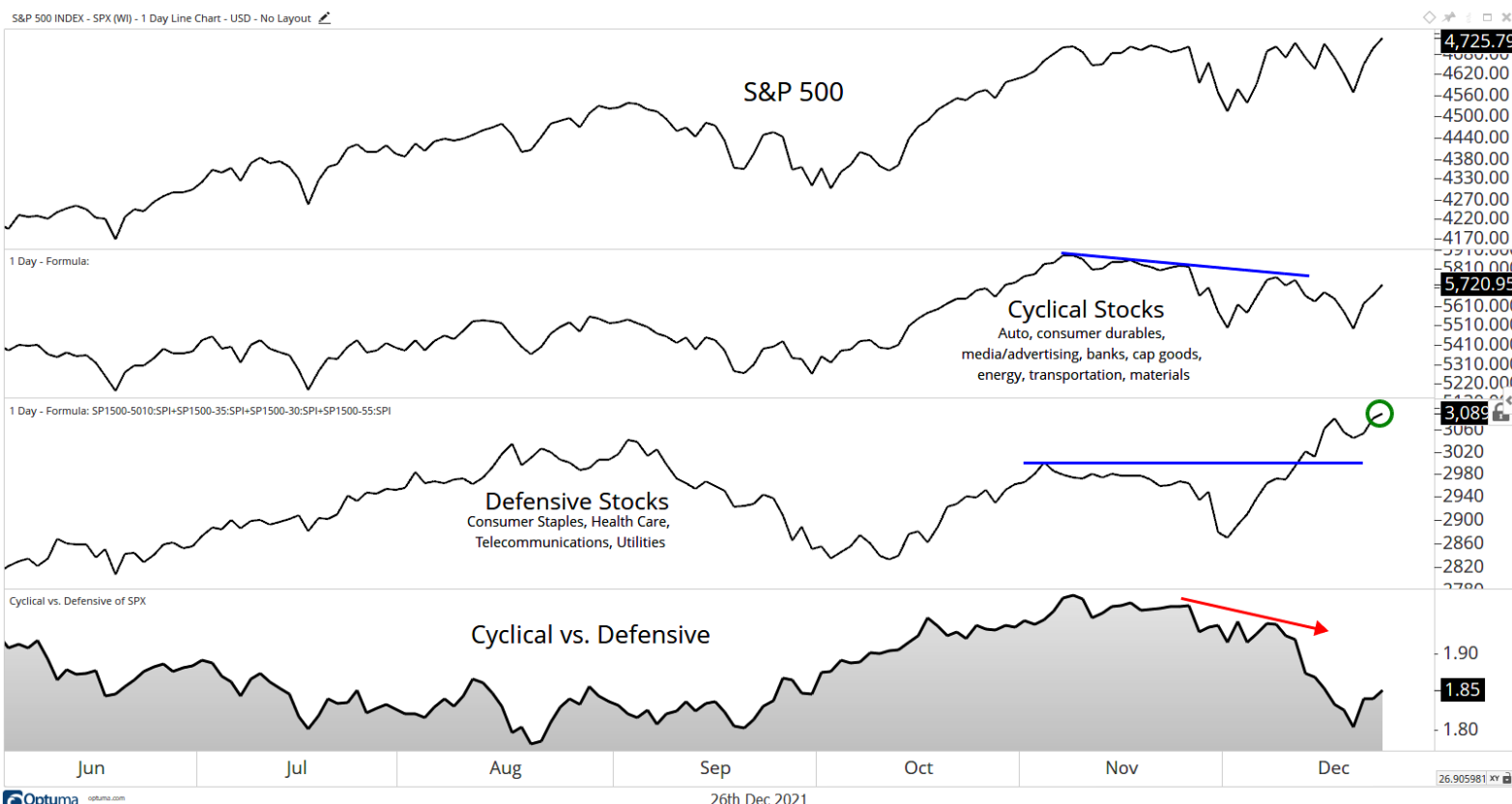


With SPX hitting a new closing high lets once again check to see how many stocks were able to join it, but lower the bar to just a 6-month high: 7.52%.



EQUITIES - CYCLICAL VS. DEFENSE TA

Scanning the market for what all joined the cap weighted large cap index in a new high, the defense group of stocks checked that higher-high box as well. The leadership shift from cyclical stocks to defense continues to play out with the ratio between the two still below the November highs.



EQUITIES - EQUAL WEIGHT SECTORS

Below are the primary offense sectors along w/ the S&P 500. Each chart shows the equal weight (EW) version of the sector along with the SPDR sector ETF. Of the sectors, only the equal weight tech sector joined the cap weighted S&P 500 in making a new high. This was helped by Broadcom, Citrix, Cisco, and IBM rising 12-19% over the last month, none of which are in the top ten holdings of the cap weighted index which is why XLK did not join the new high party last week.

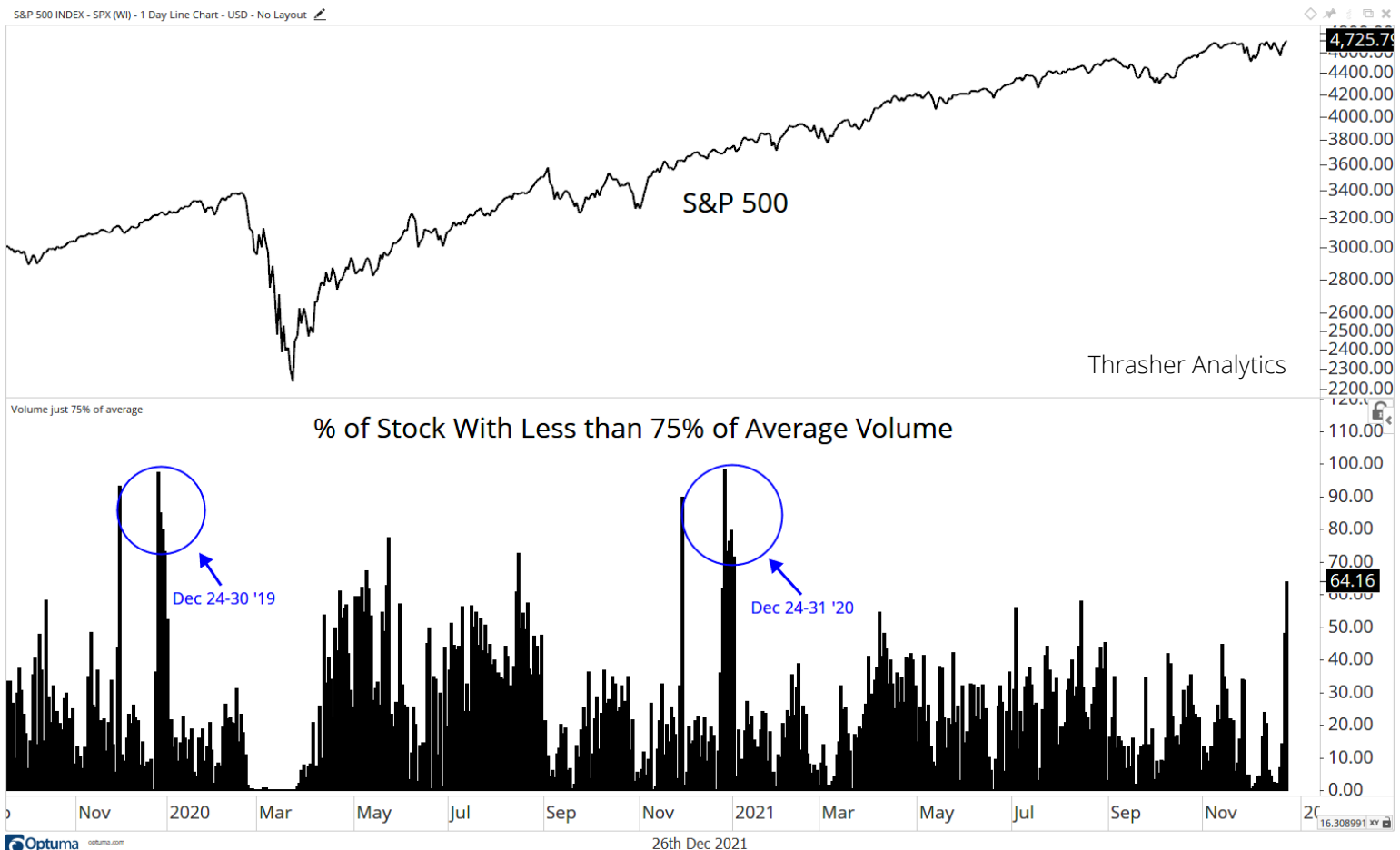
Looking more broadly, most of the trends in the sector charts continue to show distribution characteristics of lower-highs.



26th Dec 2021

One of the reasons many technicians and traders put a little less importance on market moves around the end-of-the-year is because the drop in volume allows for a drop in volatility and less institutional activity makes less supportive moves to develop.

Below is a chart showing the percentage of stock with less than 75% of their average daily volume. I've noted the last two year-ends and you'll see over 80% of stocks see a large drop in volume. We saw that begin this year as well with Thursday's 64% figure.



VOLATILITY - YEAR-END

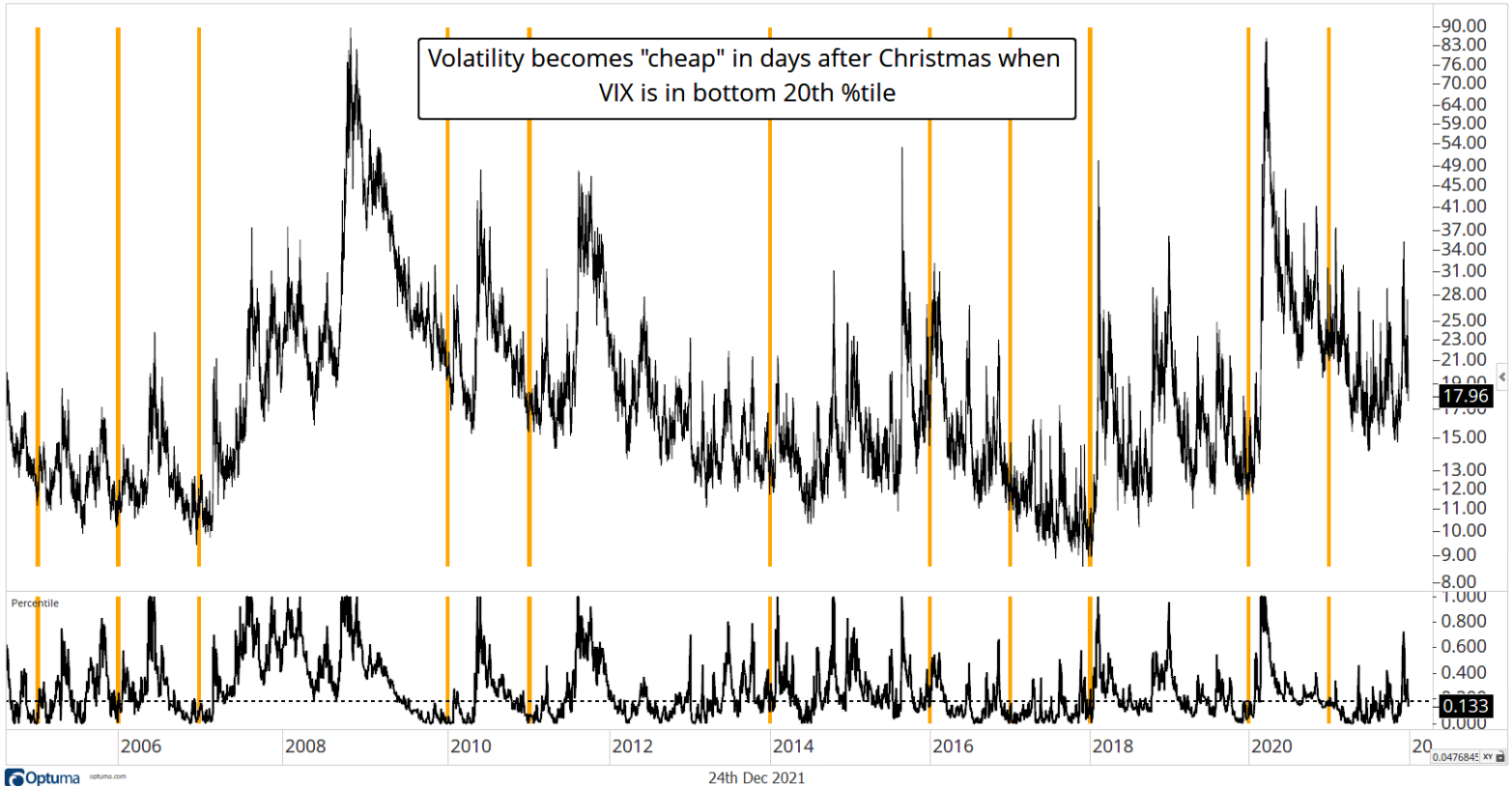


Last week we saw spot VIX drift lower into the 18s. This is typical of year-end volatility trends. Historically volatility becomes "cheap" at the end of the year. Below I've marked orange lines when VIX is in the bottom 20th percentile during the days following Christmas. Many times we see volatility move higher in the weeks after the holiday season.

In fact, since 2004 the VIX was higher 2-days later 76% of the time by median of 4.67%; 1-week later 57% of the time by a median of 2.66%; 1-month later 76% of the time by a median 10.33%.



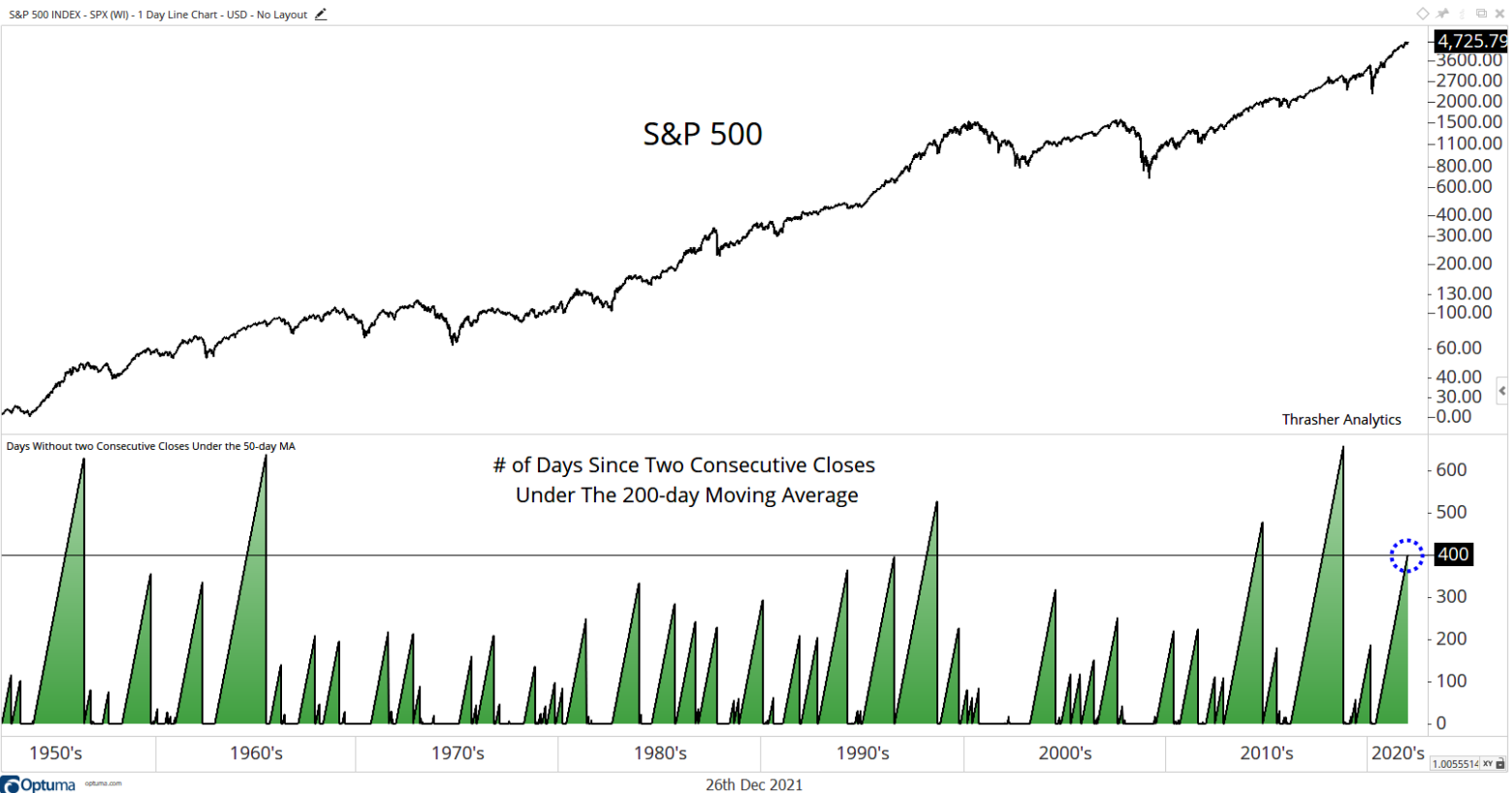
CBOE S&P 500 Volatility Index - VIX (CBOEI) - 1 Day Bar Chart - USD - No Layout



EQUITIES - DAYS ABOVE 200-MA



The S&P 500 has now spent 400 days without logging back-to-back days under the 200-day moving average. 2021 was definitely a year for the record books. At this point, the streak is the sixth longest since 1950!



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 data from [HedgeMind](#), which publishes a list of the 50 stocks that the most hedge funds hold in their top 10 largest positions. This means these stocks likely are "in play" by many hedge funds as they accumulate shares or exit positions.

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 no 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.

Name	Ticker	1M Change	3M Change	1yr Z-Score	Absolute Score	Combined Score ▲
Combined Score 1st Quartile		AVG: -3.99%	AVG: -16.02%	AVG: -1.142		AVG: -43.56
Five9 Inc	FIVN	-6.71%	-18.76%	-1.759	-67.62	-69.56
PayPal Holdings Inc	PYPL	-0.83%	-30.96%	-1.999	-52.50	-57.34
Visa Inc	V	7.85%	-6.46%	-0.403	-47.99	-47.16
Fiserv, Inc.	FISV	5.48%	-3.83%	-0.857	-46.40	-46.38
Twitter Inc	TWTR	-8.76%	-34.31%	-1.819	-42.51	-44.99
Block Inc - Ordinary Shares - Class A	SQ	-25.51%	-36.11%	-2.640	-39.09	-41.14
Walt Disney Co (The)	DIS	-0.24%	-12.71%	-1.987	-36.73	-38.73
Mercadolibre Inc	MELI	-9.89%	-32.46%	-1.464	-34.53	-37.16
Mastercard Incorporated	MA	6.14%	0.68%	0.175	-36.39	-37.12
T-Mobile US Inc	TMUS	3.71%	-7.36%	-1.018	-33.78	-34.74
Liberty Broadband Corp - Ordinary Shares - Se	LBRDK	-4.23%	-9.58%	-0.459	-32.99	-34.32
Shopify Inc	SHOP	-14.86%	-0.32%	0.524	-30.38	-34.03
Combined Score 2nd Quartile		AVG: -8.97%	AVG: -17.79%	AVG: -0.603		AVG: -22.48
Combined Score 3rd Quartile		AVG: -8.90%	AVG: -9.92%	AVG: 0.250		AVG: -7.38
Combined Score 4th Quartile		AVG: -0.56%	AVG: 20.83%	AVG: 1.850		AVG: 16.09
Netflix Inc	NFLX	-9.53%	3.66%	1.020	-0.61	-3.18
Workday Inc	WDAY	-2.98%	3.58%	1.236	4.76	2.29
Alphabet Inc	GOOGL	-1.35%	3.31%	1.280	6.42	4.18
Expedia Group Inc	EXPE	4.92%	6.86%	1.554	5.66	6.06
Snowflake Inc - Ordinary Shares - Class A	SNOW	-10.95%	10.35%	1.370	6.82	7.08
Advanced Micro Devices Inc.	AMD	-5.96%	38.13%	2.045	15.17	12.98
Tesla Inc	TSLA	-6.16%	37.79%	1.874	18.45	18.45
Nvidia Corp	NVDA	-10.14%	34.23%	1.789	16.99	19.17
Apple Inc	AAPL	9.80%	19.98%	2.579	18.75	19.56
WillScot Mobile Mini Holdings Corp	WSC	2.79%	25.82%	2.429	27.06	29.53
Palo Alto Networks Inc	PANW	5.93%	14.54%	2.125	36.03	34.15
Builders Firstsource Inc	BLDR	16.96%	51.68%	2.897	38.14	42.80

SECTORS - PERFORMANCE



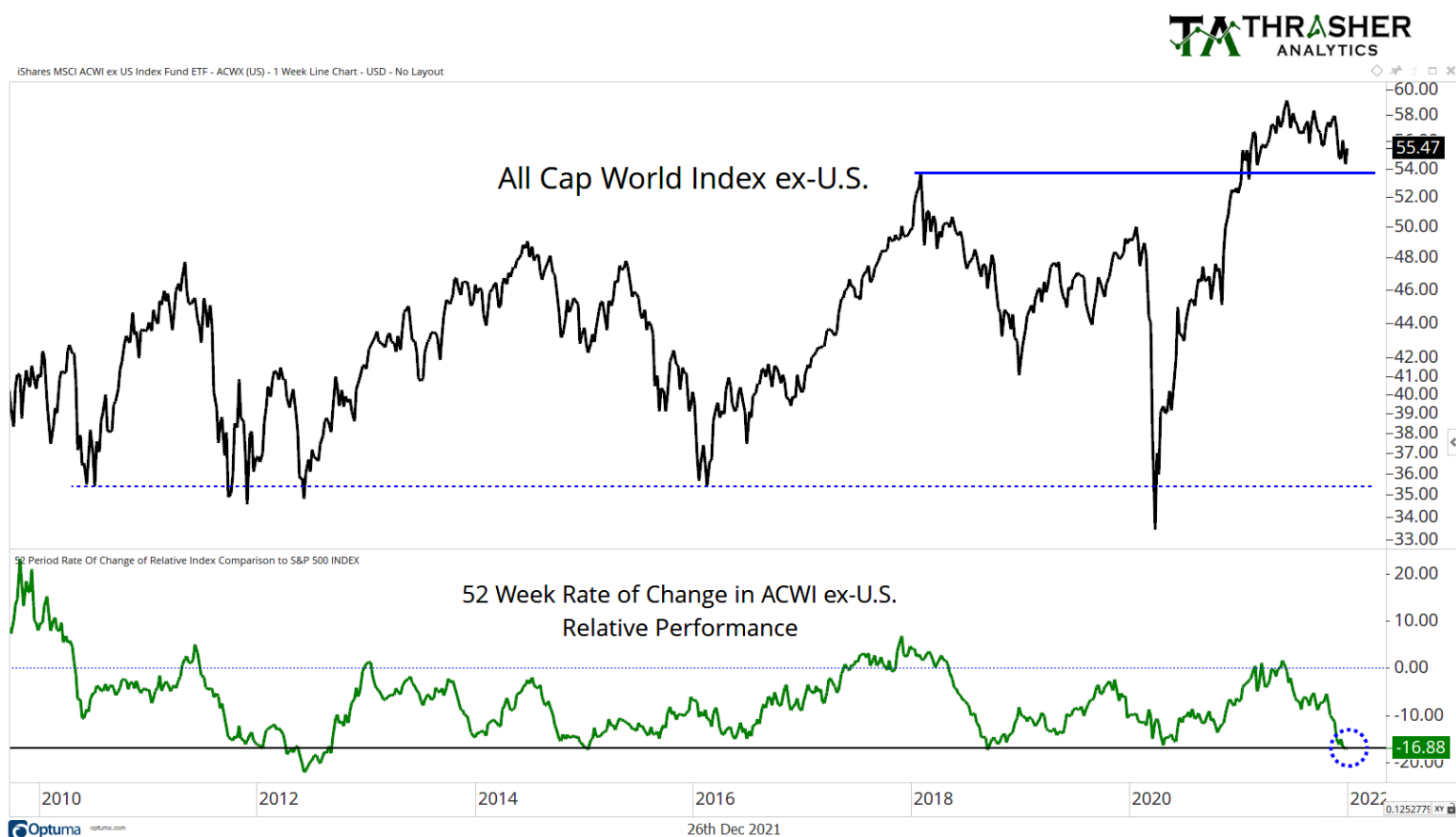
1 Day - Watch List - No Layout

Ticker	Name	2021	YTD Rel% to SPX	1W %	1M %	3M%	6M%	% from 52Wk High	% from 52Wk Low	% From 20MA	% From 50MA	% From 200MA
- Index		AVG: -4.01%			AVG: 3.49%			AVG: 24.83%			AVG: 0.71%	
IWM	iShares Russell 2000 ETF	13.25%	-9.99%	4.16%	-4.02%	-1.23%	-2.90%	9.17%	16.29%	1.65%	-2.22%	-0.93%
NDY	NASDAQ 100 Index	26.54%	0.57%	2.80%	0.01%	6.47%	14.25%	2.72%	33.58%	1.53%	2.04%	10.57%
SPX	S&P 500 INDEX	25.82%	0.00%	1.22%	0.75%	6.22%	11.41%	0.38%	29.02%	1.91%	2.12%	8.34%
DJI	Dow Jones Industrial Average	17.46%	-6.64%	0.15%	0.38%	3.41%	6.13%	1.68%	20.41%	1.74%	0.91%	3.68%
- Sectors		AVG: -0.79%			AVG: 3.72%			AVG: 30.48%			AVG: 1.34%	
XLY	SPDR Consumer Discretionary Select Sector Fund ETF	26.38%	0.45%	3.34%	-2.95%	10.30%	15.31%	5.52%	35.78%	0.90%	0.72%	10.87%
XLK	SPDR Technology Select Sector Fund ETF	33.01%	5.72%	2.33%	2.33%	10.43%	19.69%	1.50%	38.67%	1.85%	4.10%	14.51%
XLC	SPDR Communication Services Select Sector ETF	15.75%	-8.00%	1.72%	-0.51%	-4.49%	-2.12%	9.55%	20.57%	2.24%	-0.96%	-1.82%
XLV	SPDR Health Care Select Sector Fund ETF	22.80%	-2.40%	0.30%	5.12%	5.12%	11.90%	0.32%	26.72%	3.64%	4.62%	8.87%
XLI	SPDR Industrial Select Sector Fund ETF	17.36%	-6.72%	-0.29%	-2.15%	3.26%	2.53%	3.46%	22.97%	0.72%	-0.47%	1.35%
XLB	SPDR Materials Select Sector Fund ETF	21.99%	-3.04%	-0.52%	-0.26%	8.77%	7.88%	2.06%	26.14%	1.56%	1.56%	5.12%
XLRE	SPDR Real Estate Select Sector Fund ETF	36.54%	8.52%	-0.60%	2.97%	7.49%	11.98%	1.43%	44.07%	1.87%	3.27%	10.37%
XLE	SPDR Energy Select Sector Fund ETF	44.85%	15.13%	-1.08%	-4.27%	8.67%	0.59%	7.59%	46.60%	-0.97%	-3.31%	4.71%
XLF	SPDR Financial Select Sector Fund ETF	31.68%	4.66%	-1.62%	-3.41%	2.10%	7.71%	4.99%	34.65%	0.45%	-1.64%	3.57%
XLP	SPDR Consumer Staples Select Sector Fund ETF	11.56%	-11.33%	-1.65%	2.94%	6.60%	9.36%	1.99%	19.46%	2.38%	3.70%	6.22%
XLU	SPDR Utilities Select Sector Fund ETF	11.20%	-11.62%	-1.91%	2.86%	6.92%	10.04%	2.50%	19.65%	1.46%	3.10%	5.27%

INT'L - ALL CAP EX-U.S.



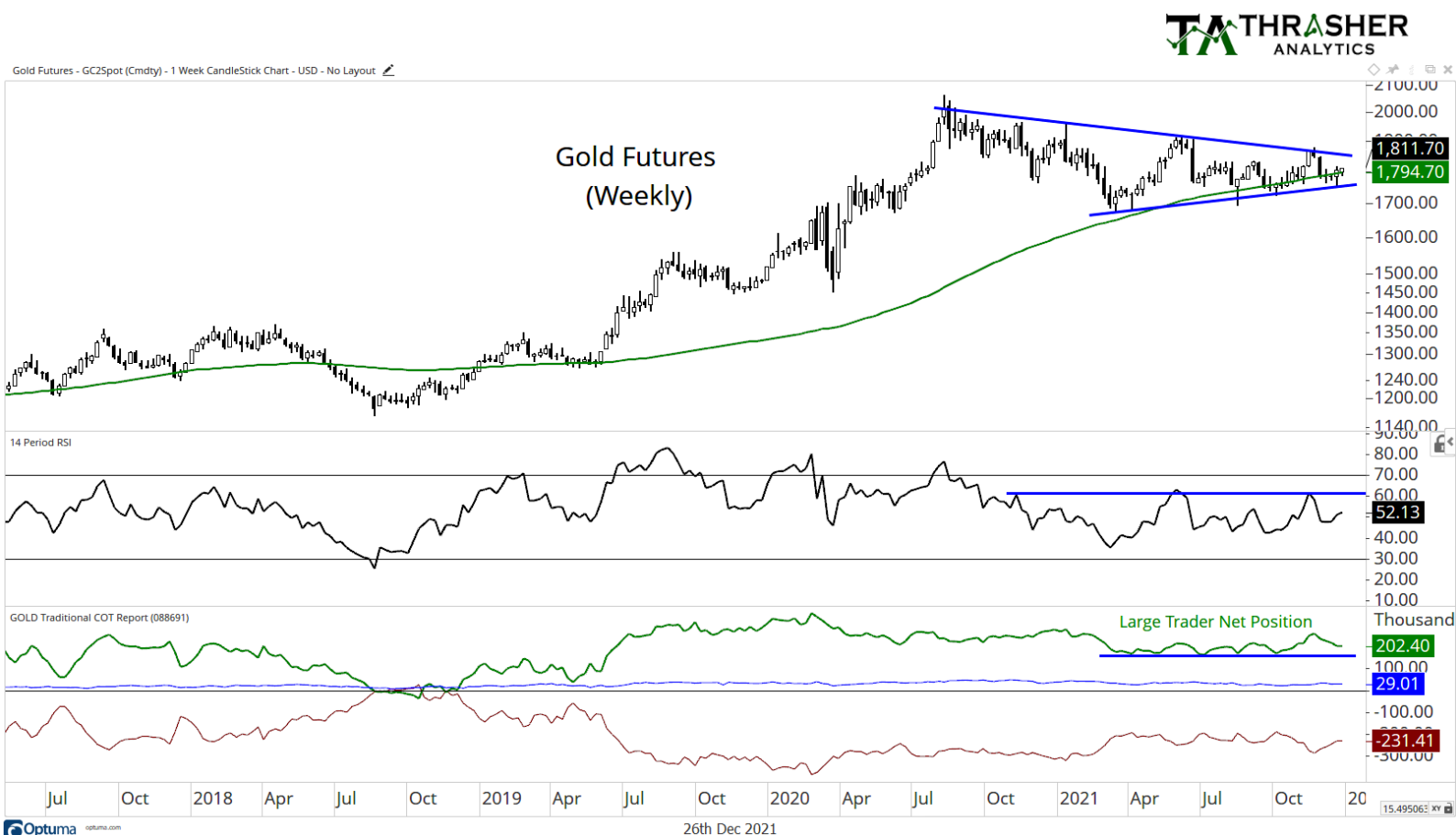
International equity markets have struggled to keep up with domestic U.S. equities in 2021. In fact, the All Cap World Index ex-U.S. has underperformed the S&P 500 by 16.88% over the last 52-weeks, one of the worst relative performance years in the last decade. But maybe this is setting up for a better 2022 for foreign equities. If ACWX can hold above \$54 and the 2018 high, it could provide an opportunity for some strength next year. Prior rolling 52-week periods that have gotten this bad setup for several favorable bounce backs in the next couple of months (Q4 '18, 2015, 2012)



Gold has gone nowhere for most of 2021, creating a coiling price pattern with a series of lower-highs and higher-lows. In the summer the Basel III classification for gold as basically the equivalent of cash for bank balance sheets and stricter rules on derivative markets got kicked to January 2022 due to the temper tantrum thrown by the Bank of London, which handles the bulk of global precious metal transactions.

A few observations on gold... Note that with the lower highs that momentum has still continued to knock on the 60 level, while price was dipping momentum has stayed firm. Large Traders have also not been scaling back their net position in gold.

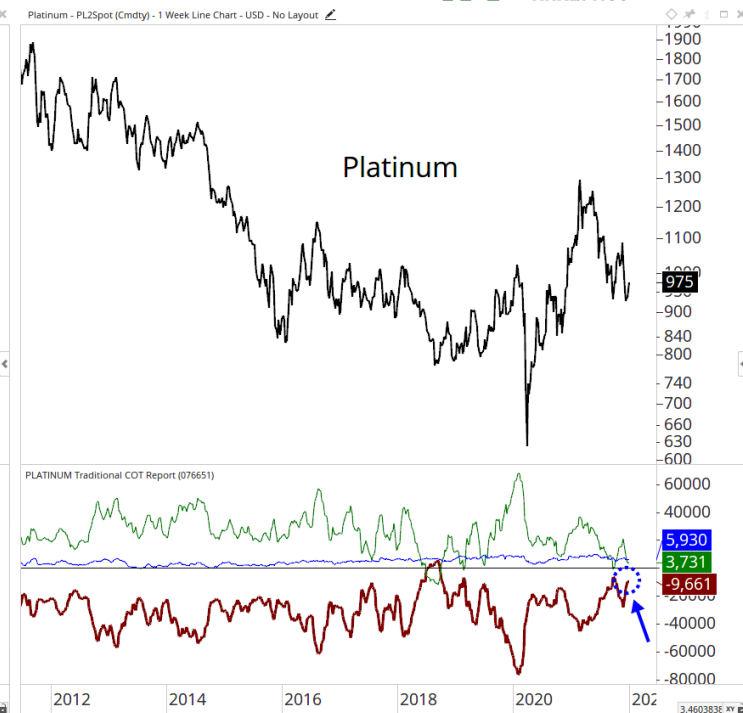
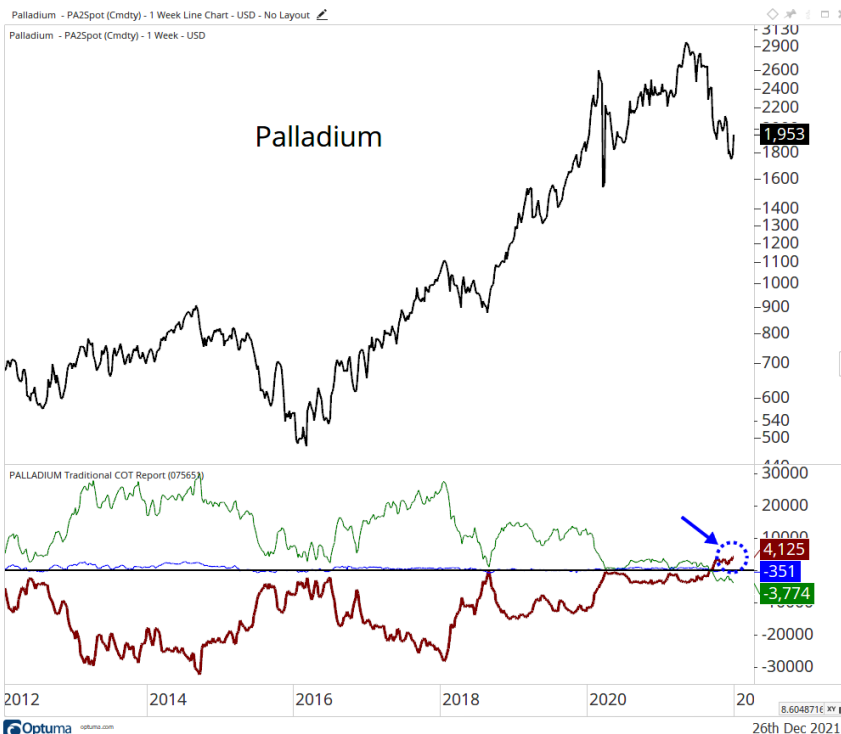
While gold didn't act as the inflation hedge many expected it to with U.S. inflation spiking this year, the coiling pattern in gold may present an opportunity in 2022 and is a chart I'm watching closing.



COMMODITY - PLATINUM/PALLADIUM

Palladium has been a metal I've written about several times this year, with a spotlight on the growing net-long position by Large Traders. Never has this COT group been net-long palladium before and I believe this a bullish thesis for the metal, which is heavily used in automobile industry. With the auto industry ground to a halt due to a supply chain issues, palladium prices have fallen and appear to be getting bought by Large Traders. In the same vein, Platinum is getting bought by Large Traders as well. 2022 could potentially be a turnaround story year for hard metals.

TA THRASHER
ANALYTICS



TA MEAN REVERSION INDICATOR



Below are the tables for the Thrasher Analytics Mean Reversion Indicator. Any pertinent details of signals produced will be discussed on the pages below. Signals are not produced every week as they are entirely price dependent. Refer to the summery PDF in the newsletter archive on the website for more details.

Sectors



1 Week - Absolute - No Layout

Name	Ticker	Above 200-day MA	1W Change	1M Change	3M Change	1Yr Change	Score 4 Weeks Ago	Score 3 Weeks Ago	Score 2 Weeks Ago	Score 1 Week Ago	Current Absolute Score
SPDR Industrial Select Sector Fund ETF	XLI	True	1.44%	-1.71%	3.04%	16.97%	-6.2	-13.2	-12.3	-15.7	-16.2
SPDR Communication Services Select Sector ETF	XLC	False	2.13%	-1.98%	-5.26%	16.39%	-10.7	-15.7	-15.9	-14.7	-13.8
SPDR Utilities Select Sector Fund ETF	XLU	True	-0.41%	3.60%	7.03%	11.93%	-9.2	-9.2	-4.9	0.4	0.9
SPDR Materials Select Sector Fund ETF	XLB	True	0.74%	0.00%	8.93%	22.30%	6.7	2.3	3.9	3.6	4.3
SPDR Consumer Discretionary Select Sector Fund	XLY	True	4.05%	-3.89%	9.89%	27.00%	10.3	4.9	3.6	-0.1	5.0
SPDR Technology Select Sector Fund ETF	XLK	True	3.01%	0.95%	10.36%	34.85%	11.1	4.1	5.8	2.4	5.4
SPDR Energy Select Sector Fund ETF	XLE	True	0.97%	0.42%	7.86%	39.34%	10.1	8.4	12.3	8.9	5.4
SPDR Health Care Select Sector Fund ETF	XLV	True	1.00%	4.76%	5.55%	23.27%	-1.4	-6.8	-4.1	1.7	9.1
SPDR Consumer Staples Select Sector Fund ETF	XLP	True	0.07%	4.44%	6.56%	10.78%	6.4	2.5	8.7	13.7	18.2
SPDR Real Estate Select Sector Fund ETF	XLRE	True	-0.26%	3.55%	8.73%	36.99%	16.7	11.8	13.8	18.0	20.9

1 Week - Relative - No Layout

Ticker	Score 4 Weeks Ago	Score 3 Weeks Ago	Score 2 Weeks Ago	Score 1 Week Ago	Current Relative Score
XLI	103.2	-22.7	-23.5	-27.7	-33.0
XLC	77.2	-17.5	-20.4	-20.4	-21.1
XLF	38.8	-6.9	-8.8	-10.3	-15.8
XLU	66.8	-6.7	-5.6	0.5	-3.9
XLV	132.0	-8.0	-8.5	0.9	2.8
XLK	166.0	14.7	15.6	8.4	7.9
XLE	55.6	17.3	18.9	15.7	11.0
XLB	86.4	13.6	14.6	15.1	11.3
XLP	72.0	1.5	3.9	12.2	11.9
XLY	204.1	19.1	14.8	10.2	14.4
XLRE	47.8	10.9	10.0	16.7	14.7

1 Week - Combined - No Layout

Ticker	Score 4 Weeks Ago	Score 3 Weeks Ago	Score 2 Weeks Ago	Score 1 Week Ago	Current Combined Score
XLI	103.2	-18.0	-17.9	-21.7	-24.6
XLC	77.2	-16.6	-18.1	-17.6	-17.4
XLF	38.8	-7.1	-8.0	-9.6	-13.3
XLU	66.8	-7.9	-5.2	0.5	-1.5
XLV	132.0	-7.4	-6.3	1.3	5.9
XLK	166.0	9.4	10.7	5.4	6.6
XLB	86.4	7.9	9.2	9.4	7.8
XLE	55.6	12.9	15.6	12.3	8.2
XLY	204.1	12.0	9.2	5.0	9.7
XLP	72.0	2.0	6.3	12.9	15.0
XLRE	47.8	11.3	11.9	17.4	17.8

Countries



1 Week - Absolute - No Layout

Name	Ticker	Above 200-day MA	1W Change	1M Change	3M Change	1Yr Change	Score 4 Weeks Ago	Score 3 Weeks Ago	Score 2 Weeks Ago	Score 1 Week Ago	Current Absolute Score
iShares MSCI Hong Kong Index Fund ETF	EWH	False	0.70%	-5.56%	-2.08%	-3.83%	-38.6	-42.7	-43.9	-46.8	-41.7
iShares MSCI Brazil Index Fund ETF	EWZ	False	-1.91%	-4.87%	-16.99%	-26.39%	-47.3	-47.1	-42.2	-40.5	-39.1
iShares China Large Cap ETF	FXI	False	0.80%	-9.58%	-4.21%	-19.93%	-32.5	-37.4	-35.6	-34.3	-27.1
iShares MSCI Spain Index Fund ETF	EWP	False	4.40%	-2.38%	-6.37%	-4.51%	-21.5	-24.2	-23.8	-27.0	-23.1
iShares MSCI South Korea Index Fund ETF	EWY	False	0.25%	0.43%	-4.53%	-3.02%	-33.6	-30.1	-25.5	-21.9	-19.8
iShares MSCI Australia Index Fund ETF	EWA	False	3.95%	-1.30%	-1.30%	4.21%	-17.3	-21.8	-19.9	-22.7	-19.1
iShares MSCI Germany Index Fund ETF	EWG	False	2.43%	-2.75%	-3.27%	2.56%	-17.7	-22.2	-22.0	-21.1	-17.3
iShares MSCI Japan Index Fund ETF	EWJ	False	0.28%	-3.59%	-7.24%	1.25%	-16.1	-19.6	-19.2	-16.3	-14.3
iShares MSCI Belgium Index Fund ETF	EWK	False	3.12%	-0.70%	-1.35%	6.96%	-13.6	-16.7	-14.6	-15.8	-13.4
iShares MSCI France Index Fund ETF	EWQ	True	3.77%	-2.55%	0.34%	15.70%	-6.1	-10.0	-9.3	-14.2	-12.8
iShares MSCI Italy Index Fund ETF	EWI	False	2.75%	-1.31%	-0.09%	10.93%	-6.7	-11.7	-9.2	-11.1	-9.3
iShares MSCI Canada Index Fund ETF	EWC	True	3.15%	-3.31%	2.85%	22.50%	4.5	-4.1	-5.2	-9.4	-8.4

1 Week - Relative - No Layout

Ticker	Score 4 Weeks Ago	Score 3 Weeks Ago	Score 2 Weeks Ago	Score 1 Week Ago	Current Relative Score
EWH	23.7	-41.8	-47.3	-51.4	-49.7
EWZ	29.4	-46.5	-42.9	-41.8	-42.3
EWA	24.6	-33.2	-34.6	-39.4	-38.2
EWG	32.0	-36.6	-37.1	-35.6	-35.1
EWP	25.5	-31.6	-32.4	-34.8	-32.5
FXI	38.8	-36.8	-38.4	-37.2	-32.4
EWK	21.0	-29.6	-28.5	-28.2	-28.4
EWY	75.8	-33.3	-31.2	-27.6	-27.5
EWI	31.6	-21.3	-20.3	-22.5	-24.2
EWQ	37.7	-12.6	-12.7	-18.6	-19.7
EWU	32.1	-15.2	-14.2	-17.0	-18.5
EWJ	67.0	-13.6	-16.7	-13.0	-15.2
EZA	42.4	-20.3	-20.7	-15.0	-14.8
EPI	35.9	0.2	-5.5	-8.2	-11.6
EWC	38.2	4.1	-0.7	-7.0	-10.2
EWT	63.7	-6.7	-7.4	-7.7	-7.3
EWV	44.2	-9.5	-7.1	-0.4	1.8
EIS	75.3	18.9	16.3	15.0	14.0

1 Week - Combined - No Layout

Ticker	Score 4 Weeks Ago	Score 3 Weeks Ago	Score 2 Weeks Ago	Score 1 Week Ago	Current Combined Score
EWH	23.7	-42.3	-45.6	-49.1	-45.7
EWZ	29.4	-46.8	-42.6	-41.2	-40.7
FXI	38.8	-37.1	-37.0	-35.8	-29.7
EWA	24.6	-27.5	-27.3	-31.1	-28.7
EWP	25.5	-27.9	-28.1	-30.9	-27.8
EWG	32.0	-29.4	-29.6	-28.3	-26.2
EWY	75.8	-31.7	-28.3	-24.7	-23.7
EWK	21.0	-23.2	-21.6	-22.0	-20.9
EWI	31.6	-16.5	-14.8	-16.8	-16.7
EWQ	37.7	-11.3	-11.0	-16.4	-16.2
EWU	67.0	-16.6	-17.9	-14.6	-14.7
EWJ	32.1	-11.7	-10.0	-13.1	-13.0
EZA	42.4	-18.6	-18.1	-12.8	-11.4
EWC	38.2	0.0	-2.9	-8.2	-9.3
EPI	35.9	0.4	-3.7	-6.2	-8.2
EWT	63.7	-5.4	-5.1	-5.9	-4.3
EWV	44.2	-6.5	-3.5	1.9	5.4
EIS	75.3	15.6	14.2	12.3	13.5

Type Code or Name to add an item to the watchlist

Type Code or Name to add an item to the watchlist

TA MEAN REVERSION INDICATOR



Major Markets & Indices



1 Week - Absolute - No Layout

Name	Ticker	Above 200-day MA	1W Change	1M Change	3M Change	1Yr Change	Score 4 Weeks Ago	Score 3 Weeks Ago	Score 2 Weeks Ago	Score 1 Week Ago	Current Absolute Score
iShares MSCI Emerging Markets ETF	EEM	False	1.16%	-4.32%	-4.06%	-4.45%	-29.1	-31.4	-28.8	-26.3	-20.9
iShares Russell 2000 ETF	IWM	False	3.21%	-4.59%	-0.45%	13.67%	-12.3	-20.1	-19.7	-20.4	-16.3
S&P SmallCap 600 Value Index	CVK	True	2.72%	-2.66%	3.04%	29.69%	-9.6	-14.6	-13.1	-16.2	-16.0
Dow Jones Industrial Average	DJI	True	1.65%	0.98%	3.31%	19.12%	-12.5	-20.6	-18.7	-18.0	-14.9
S&P SmallCap 600 Index	SML	True	3.14%	-2.52%	3.17%	25.20%	-8.3	-14.8	-13.3	-15.8	-14.0
iShares MSCI EAFE Index Fund ETF	EFA	False	2.43%	-2.28%	-2.23%	8.04%	-10.9	-15.8	-15.1	-16.7	-13.7
S&P MidCap 400 Value Index	MUV	True	2.32%	-2.03%	4.14%	27.39%	-3.8	-10.3	-9.8	-12.8	-12.4
S&P Midcap 400 Index	MID	True	2.48%	-2.61%	3.57%	22.23%	-2.2	-10.4	-10.8	-12.9	-10.6
S&P SmallCap 600 Growth Index	CKG	True	3.55%	-2.43%	3.25%	20.74%	-6.1	-13.9	-13.0	-14.2	-10.1
S&P 500 Value Index	SVX	True	1.64%	2.22%	3.95%	21.93%	-9.4	-15.4	-12.3	-11.5	-8.8
S&P MidCap 400 Growth Index	MGD	True	2.64%	-3.29%	2.89%	17.13%	-1.4	-10.8	-12.3	-13.2	-8.8
iShares MSCI All Country World Index Fund ETF	ACWI	True	2.27%	-1.39%	2.09%	17.06%	-4.5	-11.8	-11.1	-12.1	-8.5
NASDAQ Composite Index	COMPX	True	3.19%	-2.52%	4.03%	22.72%	2.0	-7.7	-9.0	-10.1	-4.4
S&P 500 INDEX	SPY	True	2.28%	0.58%	6.02%	27.40%	5.0	-2.6	-1.0	-3.1	0.2

1 Week - Relative - No Layout

Ticker	Score 4 Weeks Ago	Score 3 Weeks Ago	Score 2 Weeks Ago	Score 1 Week Ago	Current Relative Score
EEM	48.7	-40.2	-41.4	-37.9	-34.2
DJI	35,602.0	-33.5	-32.6	-31.9	-33.5
ACWI	103.4	-31.1	-33.8	-33.7	-32.3
EFA	77.1	-27.6	-28.5	-29.6	-30.6
IWM	222.9	-22.3	-23.6	-24.7	-21.8
SML	1,376.3	-16.1	-16.5	-19.6	-19.6
COMPX	15,491.7	-16.5	-22.0	-22.9	-17.5
CVK	830.6	-12.7	-12.9	-16.3	-17.5
CKG	1,107.9	-17.3	-18.2	-20.1	-17.1
MGD	1,359.0	-10.5	-15.4	-16.9	-14.7
SVX	1,478.0	-16.9	-15.6	-11.9	-14.5
MID	2,779.4	-8.1	-10.7	-13.7	-14.3
MUV	867.6	-4.4	-5.6	-9.1	-11.2
NDXX	16,025.6	1.9	-3.2	-6.0	-2.5
TLT	150.5	11.9	9.7	11.7	6.8
DJT	16,215.7	22.7	20.8	14.4	11.9
SPY	3,381.8	17.6	14.8	11.8	14.4

1 Week - Combined - No Layout

Ticker	Score 4 Weeks Ago	Score 3 Weeks Ago	Score 2 Weeks Ago	Score 1 Week Ago	Current Combined Score
EEM	48.7	-35.8	-35.1	-32.1	-27.5
DJI	35,602.0	-27.1	-25.7	-25.0	-24.2
EFA	77.1	-21.7	-21.8	-23.1	-22.1
ACWI	103.4	-21.5	-22.5	-22.9	-20.4
IWM	222.9	-21.2	-21.7	-22.6	-19.1
SML	1,376.3	-15.4	-14.9	-17.7	-16.8
CVK	830.6	-13.6	-13.0	-16.3	-16.7
CKG	1,107.9	-15.6	-15.6	-17.1	-13.6
MID	2,779.4	-9.2	-10.7	-13.3	-12.5
MUV	867.6	-7.4	-7.7	-10.9	-11.8
MGD	1,359.0	-10.7	-13.9	-15.0	-11.7
SVX	1,478.0	-16.2	-13.9	-11.7	-11.6
COMPX	15,491.7	-12.1	-15.5	-16.5	-10.9
NDXX	16,025.6	1.2	-2.0	-4.5	-0.3
DJT	16,215.7	15.4	14.7	8.8	7.8
TLT	150.5	15.5	12.5	13.8	8.8
SPY	3,381.8	10.4	8.8	6.3	9.8



26th Dec 2021

Commodities



1 Week - Absolute - No Layout

Name	Ticker	Above 200-day MA	1W Change	1M Change	3M Change	1Yr Change	Score 4 Weeks Ago	Score 3 Weeks Ago	Score 2 Weeks Ago	Score 1 Week Ago	Current Absolute Score
Palladium	PA2Spot	False	9.54%	-5.82%	0.08%	-17.29%	-54.7	-59.1	-63.1	-63.0	-58.2
LEAN HOGS RTH	LHSpot	False	3.00%	12.85%	-4.64%	26.48%	-28.1	-29.1	-36.1	-30.9	-27.0
RBOB Gasoline	RB2Spot	True	3.98%	-0.26%	0.85%	58.08%	-13.7	-21.0	-19.5	-19.3	-16.7
LIGHT CRUDE OIL	CL_FLSpot	True	4.13%	-3.04%	-0.26%	50.29%	-15.0	-21.1	-21.1	-22.0	-16.4
Platinum	PL2Spot	False	4.34%	-5.88%	-0.49%	-6.52%	-11.2	-22.2	-25.2	-22.5	-11.4
Soybeans	S2Spot	False	3.64%	5.44%	3.66%	9.18%	-16.5	-18.2	-18.4	-17.2	-11.3
Silver Futures	SI2Spot	False	1.81%	-7.43%	2.30%	-11.88%	-7.5	-14.7	-17.5	-16.3	-10.6
Copper	HG2Spot	True	2.24%	-0.47%	2.32%	20.77%	-2.9	-6.2	-10.6	-13.5	-7.5
Cocoa	CC2Spot	False	-0.96%	-4.26%	-4.55%	-1.32%	3.0	4.8	3.5	1.0	-0.3
Gold Futures	GC2Spot	True	0.38%	-2.15%	3.54%	-4.09%	2.5	-4.2	-6.4	-3.2	1.4

1 Week - Relative - No Layout

Ticker	Score 4 Weeks Ago	Score 3 Weeks Ago	Score 2 Weeks Ago	Score 1 Week Ago	Current Relative Score
PA2Spot	1,789.1	-54.8	-58.7	-57.4	-53.6
LHSpot	73.2	-28.4	-33.5	-27.5	-26.2
PL2Spot	954.3	-26.8	-31.9	-28.7	-19.0
RB2Spot	2.0	-19.6	-18.9	-19.1	-17.1
CL_FLSpot	68.2	-21.8	-19.7	-21.2	-15.7
SI2Spot	23.1	-12.7	-15.8	-14.9	-12.6
S2Spot	1,252.8	-13.0	-14.5	-12.0	-8.6
HG2Spot	4.3	-0.5	-8.0	-10.7	-6.6
GC2Spot	1,785.5	-5.2	-8.9	-4.3	-3.7
CC2Spot	2,396.0	4.3	2.0	0.8	-2.5
C2Spot	586.8	4.9	11.0	13.0	13.4
W2Spot	825.5	31.8	23.2	16.4	15.2
LC5Spot	138.1	29.0	23.9	22.8	16.0
KC2Spot	243.0	60.3	50.5	45.5	38.7
OSpot	755.0	82.1	67.5	60.1	52.8

1 Week - Combined - No Layout

Ticker	Score 4 Weeks Ago	Score 3 Weeks Ago	Score 2 Weeks Ago	Score 1 Week Ago	Current Combined Score
PA2Spot	1,789.1	-57.0	-60.9	-60.2	-55.9
LHSpot	73.2	-28.8	-34.8	-29.2	-26.6
RB2Spot	2.0	-20.3	-19.2	-19.2	-16.9
CL_FLSpot	68.2	-22.9	-20.4	-21.6	-16.1
PL2Spot	954.3	-24.5	-28.5	-25.6	-15.2
SI2Spot	23.1	-13.7	-16.7	-15.6	-11.6
S2Spot	1,252.8	-15.6	-16.4	-14.6	-10.0
HG2Spot	4.3	-3.3	-9.3	-12.1	-7.0
CC2Spot	2,396.0	4.5	2.7	0.9	-1.4
GC2Spot	1,785.5	-4.7	-7.7	-3.7	-1.2
C2Spot	586.8	2.1	9.3	10.7	12.7
W2Spot	825.5	32.8	25.1	17.0	17.3
LC5Spot	138.1	30.4	27.2	25.4	21.4
KC2Spot	243.0	59.8	51.5	46.8	42.1
OSpot	755.0	74.9	62.9	55.2	50.1

Type Code or Name to add an item to the watchlist.



26th Dec 2021

TAMRI MEAN REVERSION INDICATOR



Thematic/Active ETFs



1 Week - Absolute - No Layout

Name	Ticker	Above 200-day MA	1W Change	1M Change	3M Change	1Yr Change	Score 4 Weeks Ago	Score 3 Weeks Ago	Score 2 Weeks Ago	Score 1 Week Ago	Current Absolute Score
ETFMG Prime Mobile Payments ETF	IPAY	False	2.76%	-5.01%	-18.69%	-11.88%	-52.0	-59.4	-59.2	-58.1	-53.0
Amplify Online Retail ETF	IBUY	False	3.80%	-16.87%	-22.15%	-23.07%	-41.7	-50.2	-53.0	-53.1	-47.4
Global X Social Media Index ETF	SOCL	False	1.96%	-9.19%	-14.27%	-12.37%	-37.4	-45.2	-45.2	-43.0	-35.3
ARK Next Generation Internet ETF	ARKW	False	3.74%	-15.90%	-14.30%	-16.40%	-24.1	-37.1	-41.4	-38.8	-32.2
ETFMG Alternative Harvest ETF	MJ	False	2.61%	-10.35%	-19.70%	-22.45%	-35.2	-41.7	-42.3	-39.6	-31.7
ARK Innovation ETF	ARKK	False	1.92%	-12.51%	-15.42%	-22.18%	-32.9	-43.5	-44.3	-38.4	-31.5
KraneShares CSI China Internet ETF	KWEB	False	-1.89%	-19.85%	-17.24%	-50.01%	-40.3	-47.2	-44.5	-39.1	-30.8
Global X FinTech ETF	FINX	False	3.29%	-12.21%	-15.96%	-9.01%	-17.9	-30.3	-34.1	-33.7	-29.2
ARK Genomic Revolution ETF	ARKG	False	0.61%	-6.03%	-18.12%	-32.00%	-39.4	-45.5	-44.2	-35.6	-28.3
First Trust Dow Jones Internet ETF	FDN	False	2.88%	-6.36%	-7.75%	5.14%	-20.1	-33.5	-36.4	-35.5	-28.1
First Trust Cloud Computing ETF	SKYY	True	2.51%	-8.56%	-4.30%	9.54%	-12.9	-27.8	-30.8	-29.1	-22.7

1 Week - Relative - No Layout

Ticker	Score 4 Weeks Ago	Score 3 Weeks Ago	Score 2 Weeks Ago	Score 1 Week Ago	Current Relative Score
IPAY	58.7	-74.2	-76.5	-76.4	-72.9
IBUY	102.3	-54.6	-57.8	-58.0	-52.7
FINX	46.2	-43.0	-49.1	-49.0	-46.0
SOCL	57.6	-52.1	-54.6	-52.5	-45.9
FDN	235.0	-43.2	-48.6	-48.2	-43.6
ARKW	141.6	-44.6	-50.1	-46.8	-40.5
ARKK	107.1	-51.4	-53.7	-46.5	-40.3
SKYY	109.5	-36.1	-42.3	-40.5	-36.3
MJ	12.7	-42.5	-44.5	-42.4	-35.7
KWEB	45.5	-48.1	-47.1	-41.7	-33.8
ARKG	64.6	-48.7	-48.7	-39.3	-32.7
IGF	45.8	-26.6	-25.9	-27.0	-28.2
FBT	158.7	-49.0	-51.5	-34.6	-26.6
HACK	61.9	-27.2	-34.8	-28.7	-24.7
ARKQ	82.4	-33.0	-34.7	-30.3	-23.0
BETZ	24.9	-25.5	-26.8	-26.4	-22.6
PRNT	34.4	-34.1	-29.4	-24.2	-19.2
IPO	64.4	-22.3	-27.1	-23.9	-18.7
MSOS	28.5	-26.8	-27.8	-24.8	-18.5

1 Week - Combined - No Layout

Ticker	Score 4 Weeks Ago	Score 3 Weeks Ago	Score 2 Weeks Ago	Score 1 Week Ago	Current Combined Score
IPAY	58.7	-66.8	-67.8	-67.3	-63.0
IBUY	102.3	-52.4	-55.4	-55.5	-50.1
SOCL	57.6	-48.7	-49.9	-47.7	-40.6
FINX	46.2	-36.6	-41.6	-41.3	-37.6
ARKW	141.6	-40.8	-45.7	-42.8	-36.4
ARKK	107.1	-47.5	-49.0	-42.5	-35.9
FDN	235.0	-38.4	-42.5	-41.9	-35.9
MJ	12.7	-42.1	-43.4	-41.0	-33.7
KWEB	45.5	-47.7	-45.8	-40.4	-32.3
ARKG	64.6	-47.1	-46.5	-37.4	-30.5
SKYY	109.5	-32.0	-36.5	-34.8	-29.5
FBT	158.7	-45.5	-47.5	-32.1	-22.5
HACK	61.9	-25.1	-31.2	-26.4	-21.0
IGF	45.8	-22.0	-20.2	-21.4	-20.3
BETZ	24.9	-24.4	-25.2	-23.9	-20.2
ARKQ	82.4	-28.8	-29.9	-26.2	-19.0
IPO	64.4	-22.6	-26.9	-24.3	-18.6
MSOS	28.5	-26.0	-26.7	-23.4	-17.3
YOLO	15.3	-25.7	-27.5	-20.9	-16.0



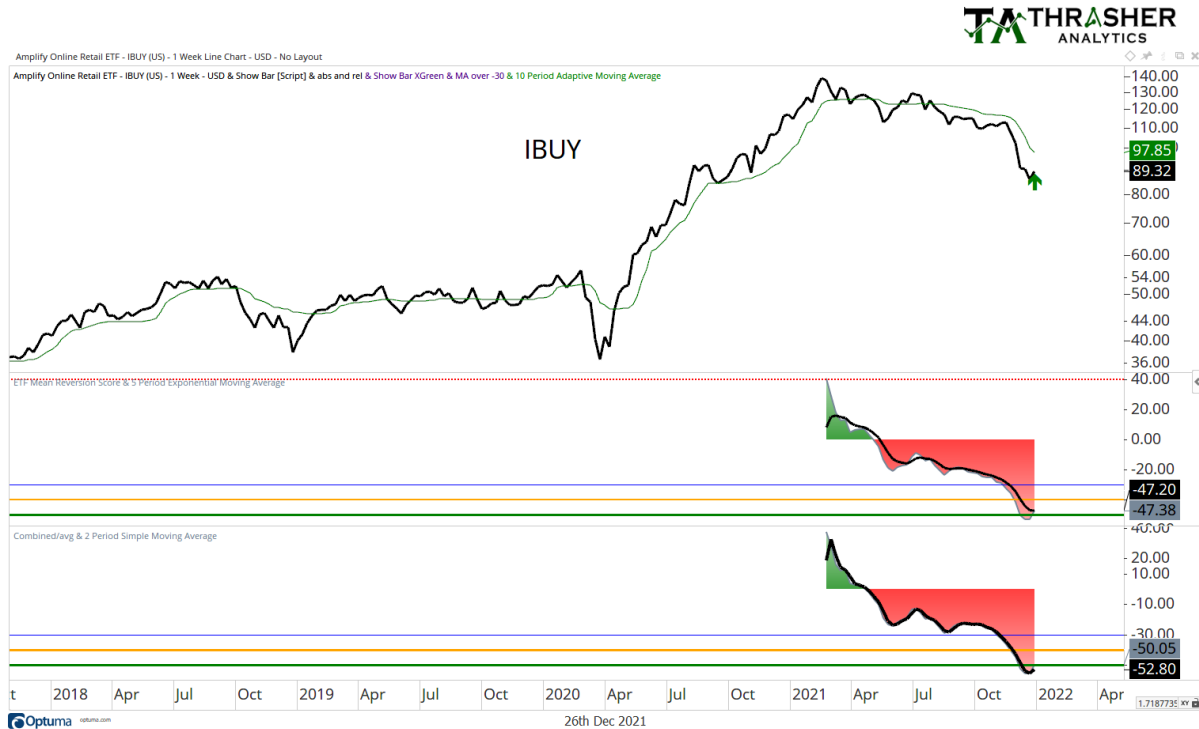
26th Dec 2021

New TAMRI Signals:	
Blue (short-term):	
--	
Orange (intermediate):	
FINX	
ARKW	
ARKK	
FDN	
ARKG	
MJ	
KWEB	
Green (major):	
IBUY	
S&P 500 IT Services	

TA MEAN REVERSION INDICATOR



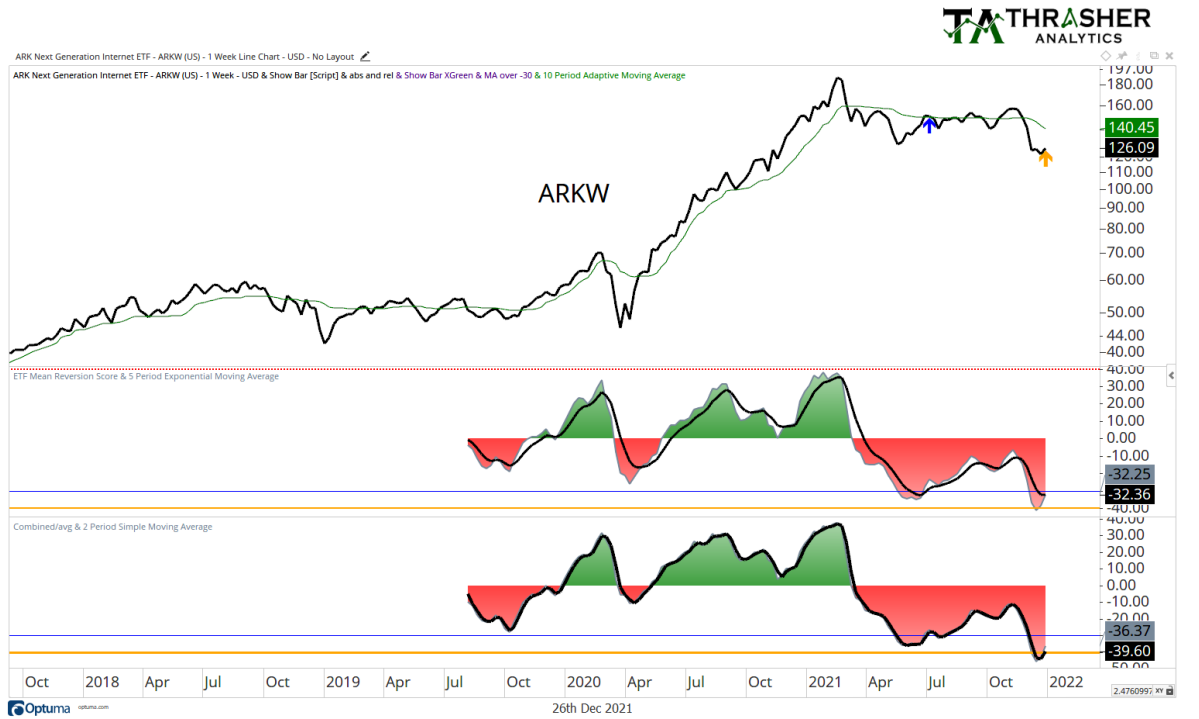
For new signals, the next step is seeking price confirmation of the TAMRI signal by price strengthening.



TA MEAN REVERSION INDICATOR



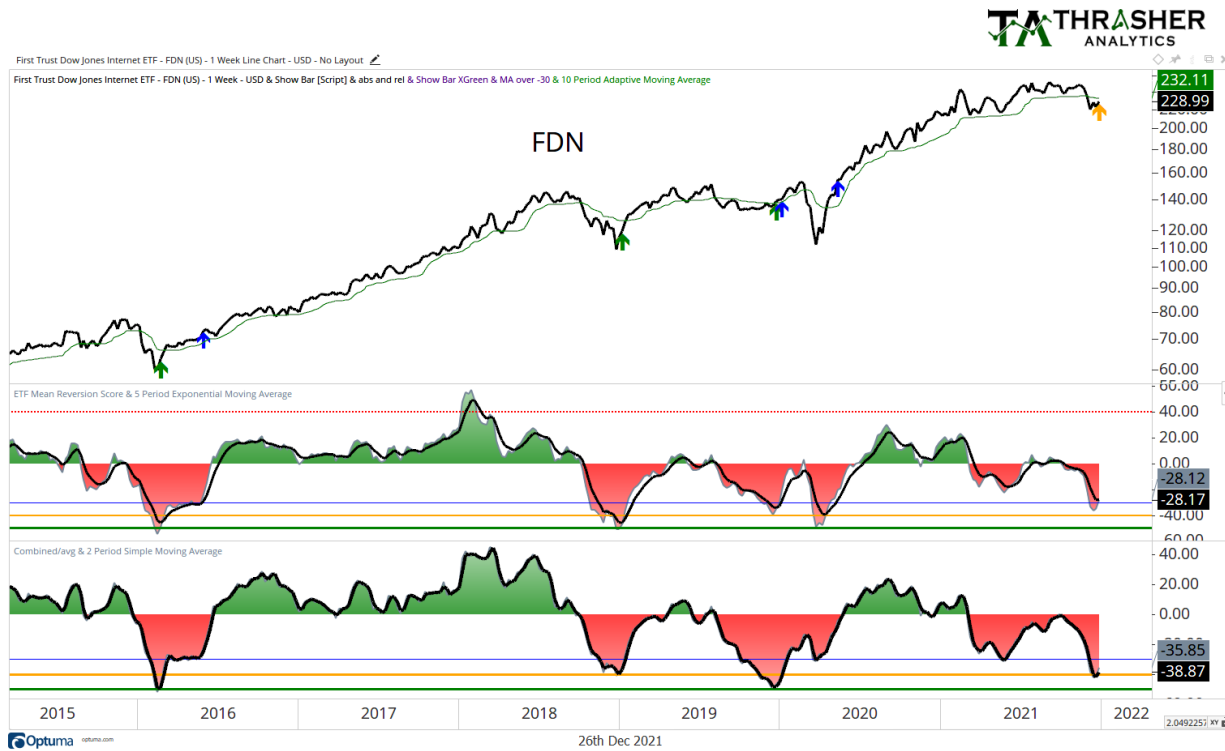
For new signals, the next step is seeking price confirmation of the TAMRI signal by price strengthening.



TA MEAN REVERSION INDICATOR



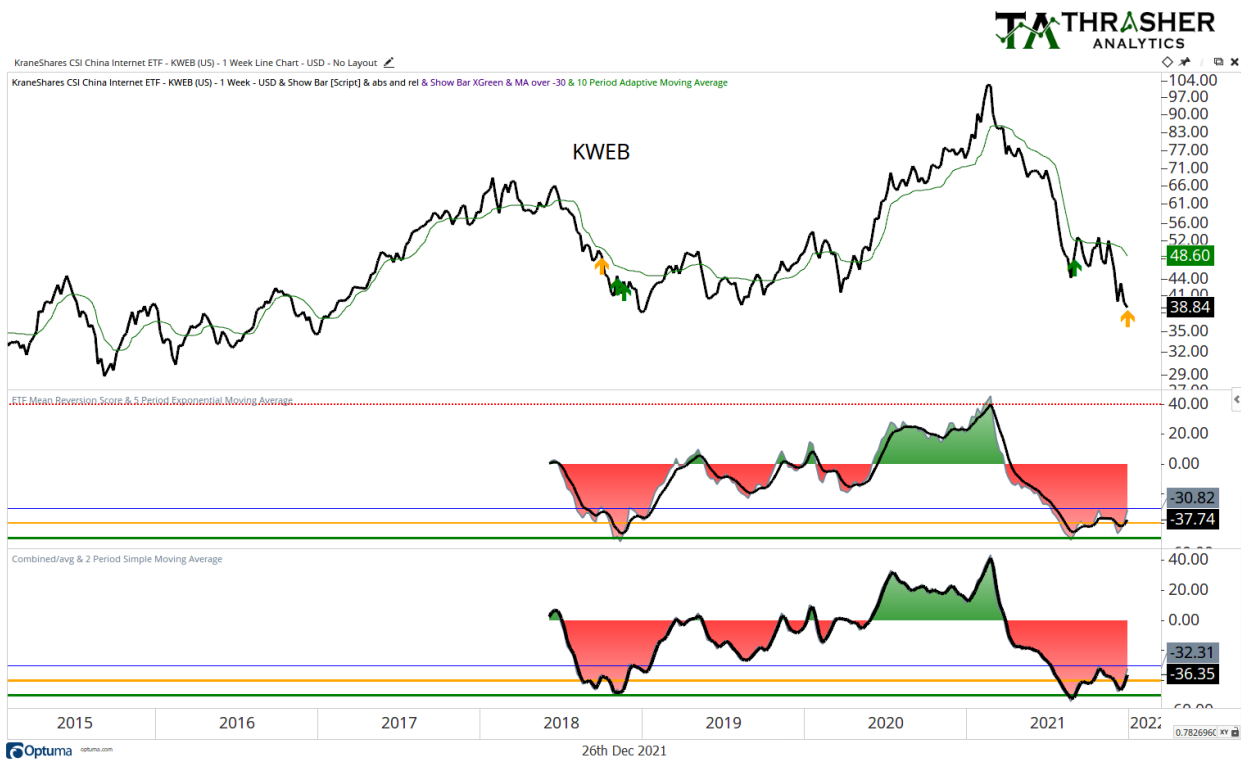
For new signals, the next step is seeking price confirmation of the TAMRI signal by price strengthening.



TA MEAN REVERSION INDICATOR



For new signals, the next step is seeking price confirmation of the TAMRI signal by price strengthening.



DAILY SENTIMENT INDEX



1 Day - Watch List - No Layout				1 Day - Watch List - No Layout			
Code	% Bullish ^	5-day MA	History	Code	% Bullish ^	5-day MA	History
Euro DSI	28	24		Crude Oil DSI	53	44	
Lean Hog DSI	31	27		Copper DSI	58	49	
Cocoa DSI	32	36		Heating Oil DSI	61	52	
Sugar DSI	33	28		Mexican Peso DSI	62	57	
VIX DSI	36	41		CRB Index DSI	62	54	
Platinum DSI	38	28		EuroDollar DSI	63	63	
Swiss Franc DSI	39	35		US Dollar DSI	65	71	
Yen DSI	41	43		Nikkei DSI	65	57	
Silver DSI	41	34		Wheat DSI	67	56	
Natural Gas DSI	41	44		10Y DSI	67	71	
Cotton DSI	41	34		Lumber DSI	72	67	
Australian Dollar DSI	43	34		5YR DSI	72	75	
Cattle DSI	44	36		Soybean DSI	73	63	
Bitcoin DSI	45	37		Coffee DSI	73	69	
Palladium DSI	46	35		Nasdaq DSI	76	66	
Orange Juice DSI	48	44		Gasoline DSI	82	74	
Gold DSI	48	43		Corn DSI	82	76	
British Pound DSI	48	40		SPX DSI	83	71	

Source: trade-futures.com

DAILY SENTIMENT INDEX



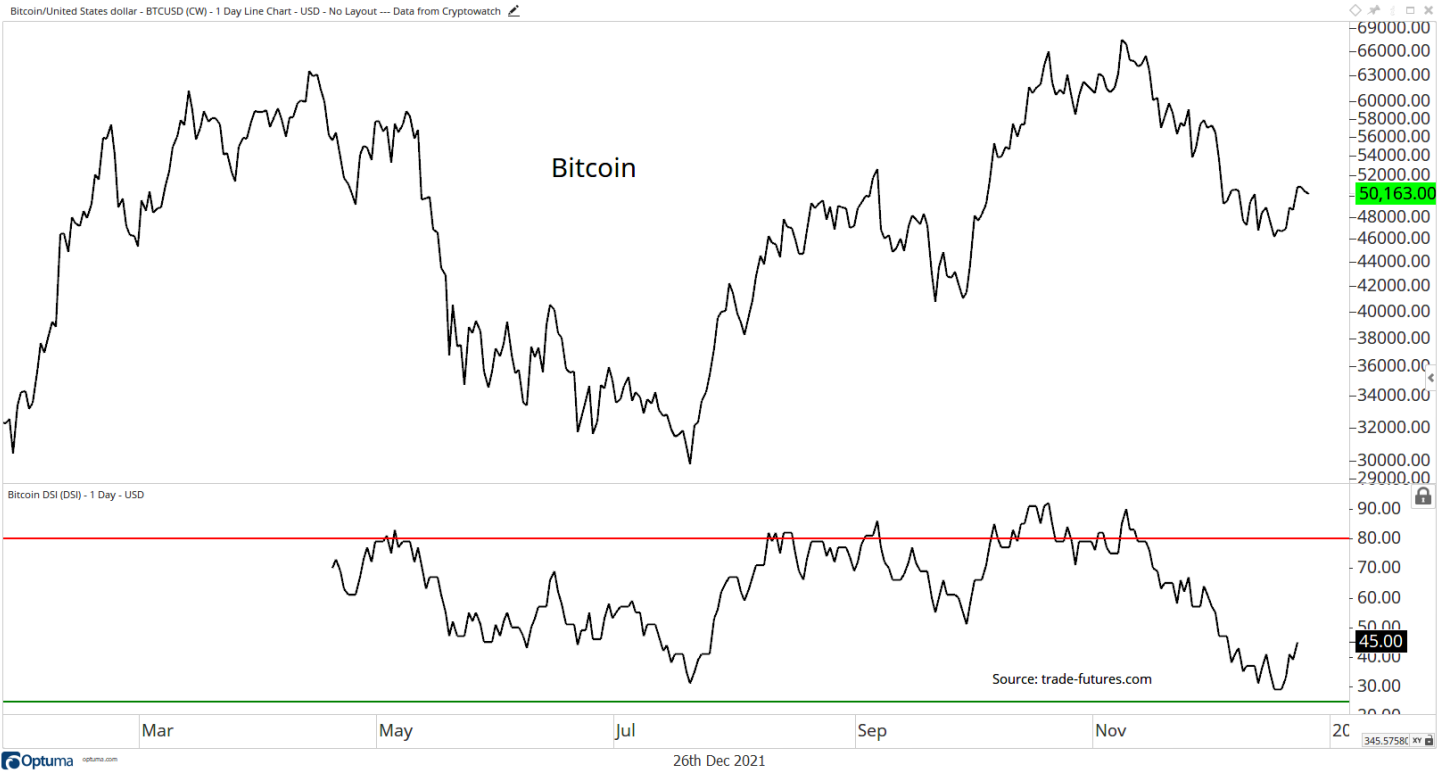
TA THRASHER
ANALYTICS



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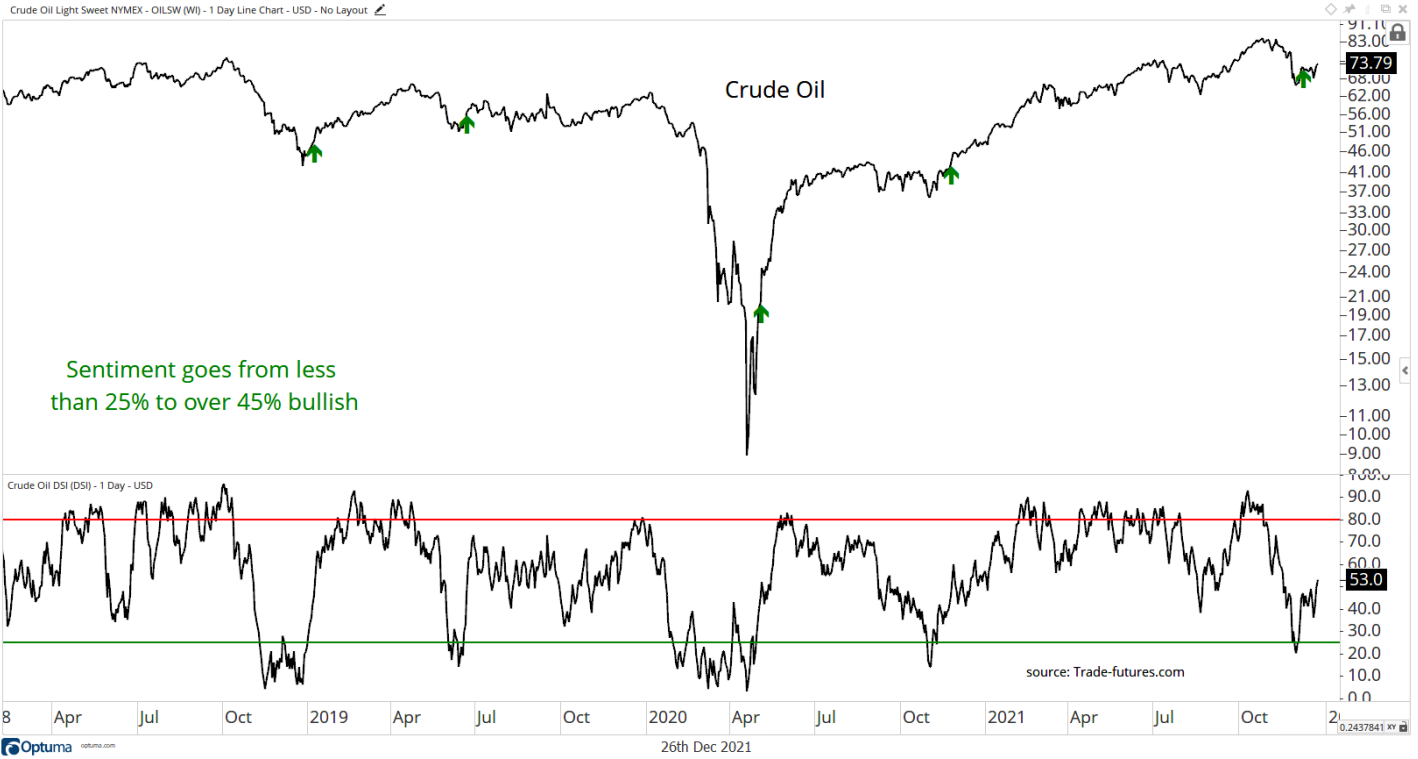
DAILY SENTIMENT INDEX



DAILY SENTIMENT INDEX



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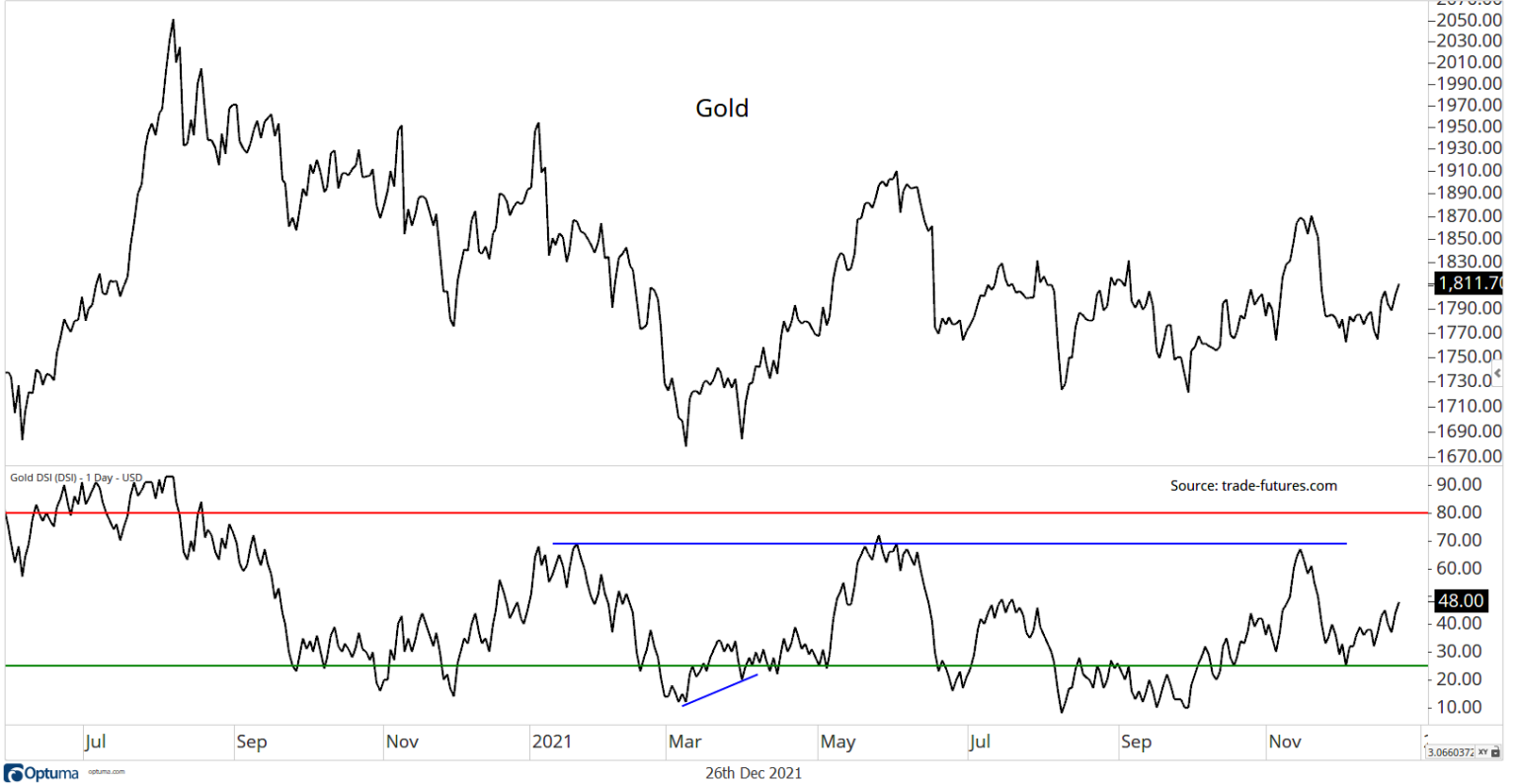


DAILY SENTIMENT INDEX



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ANALYTICS

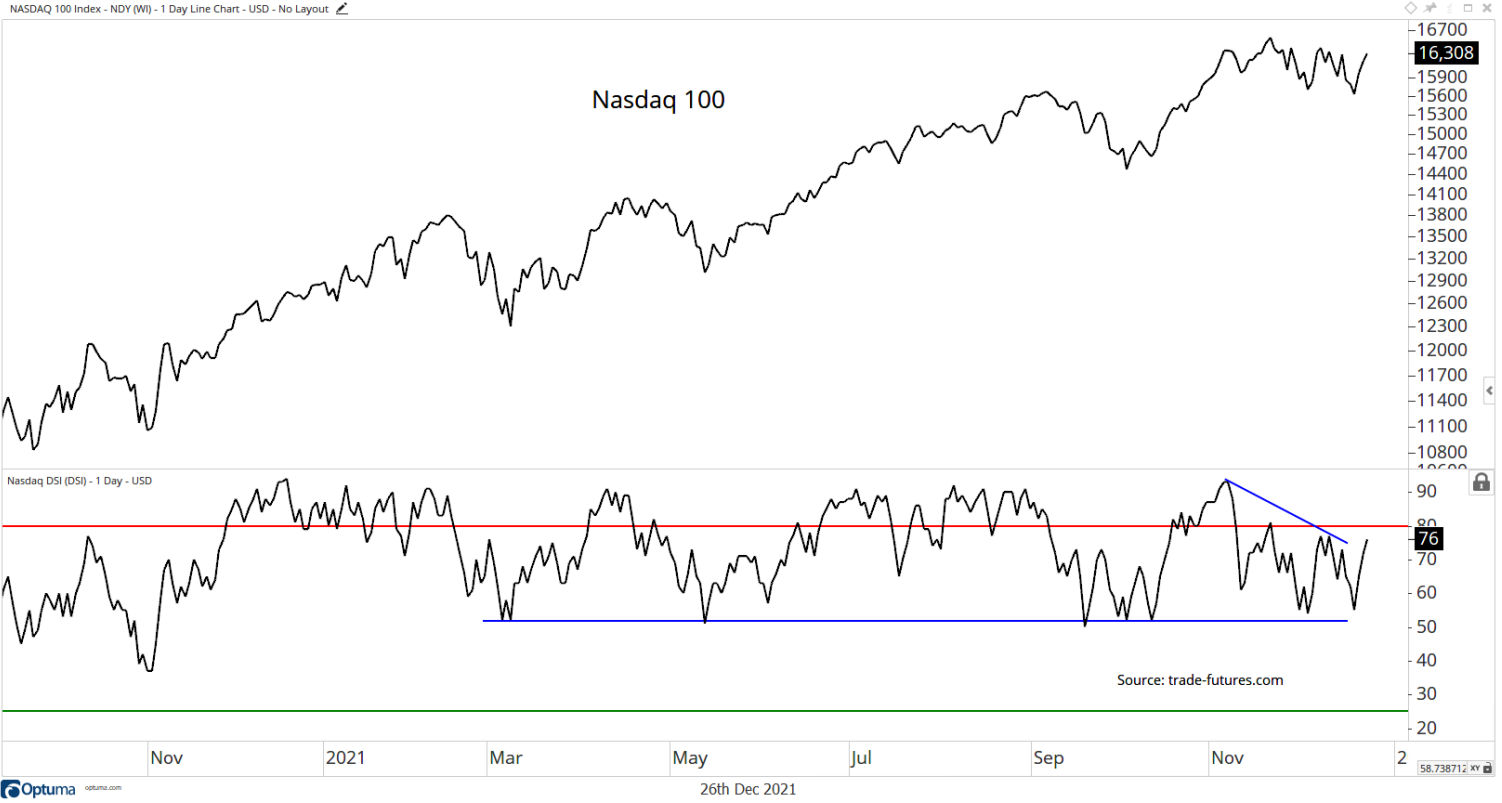
Gold Futures - GCSpot (NYMEX) - 1 Day Line Chart - USD - No Layout



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DAILY SENTIMENT INDEX

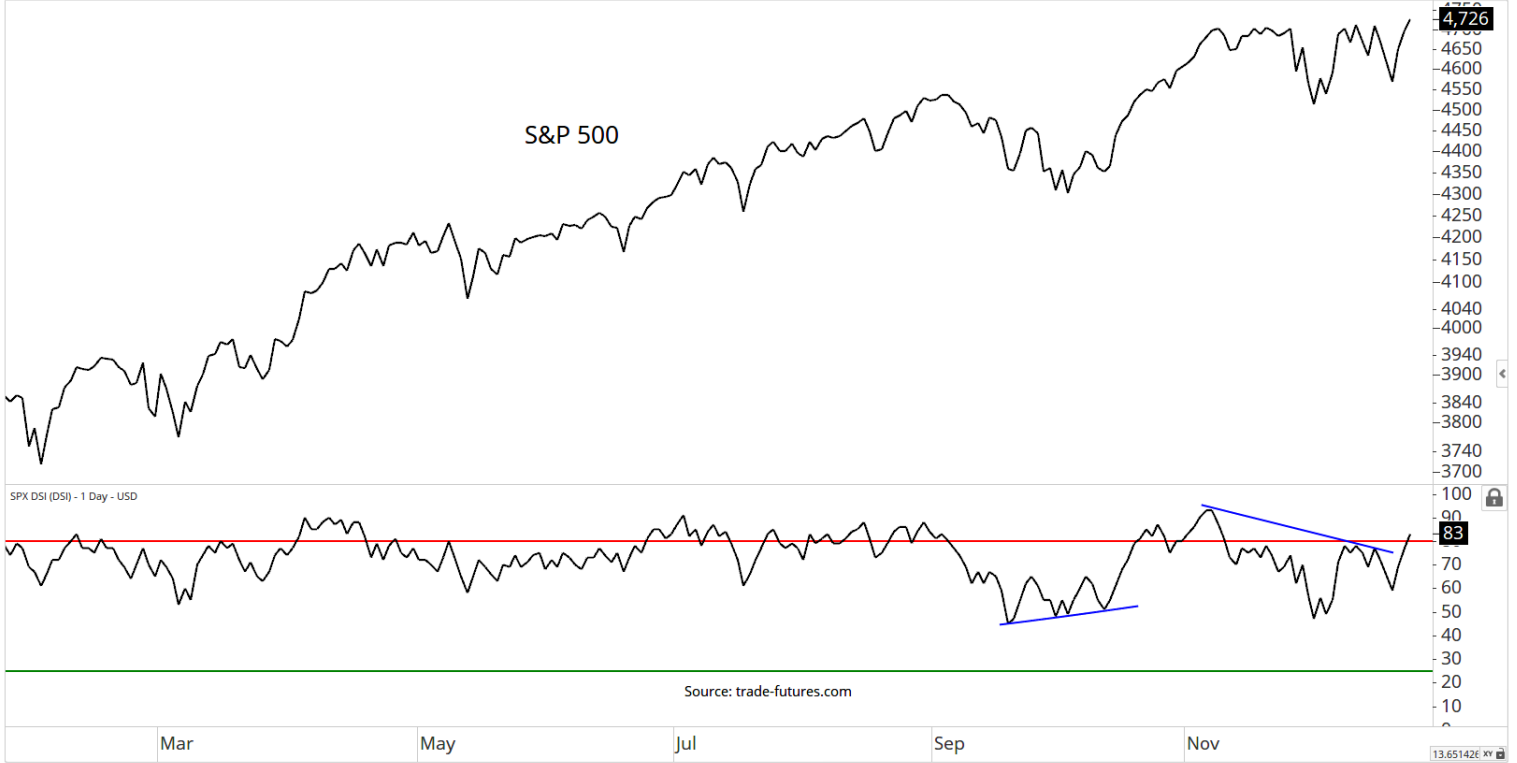


DAILY SENTIMENT INDEX



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ANALYTICS

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



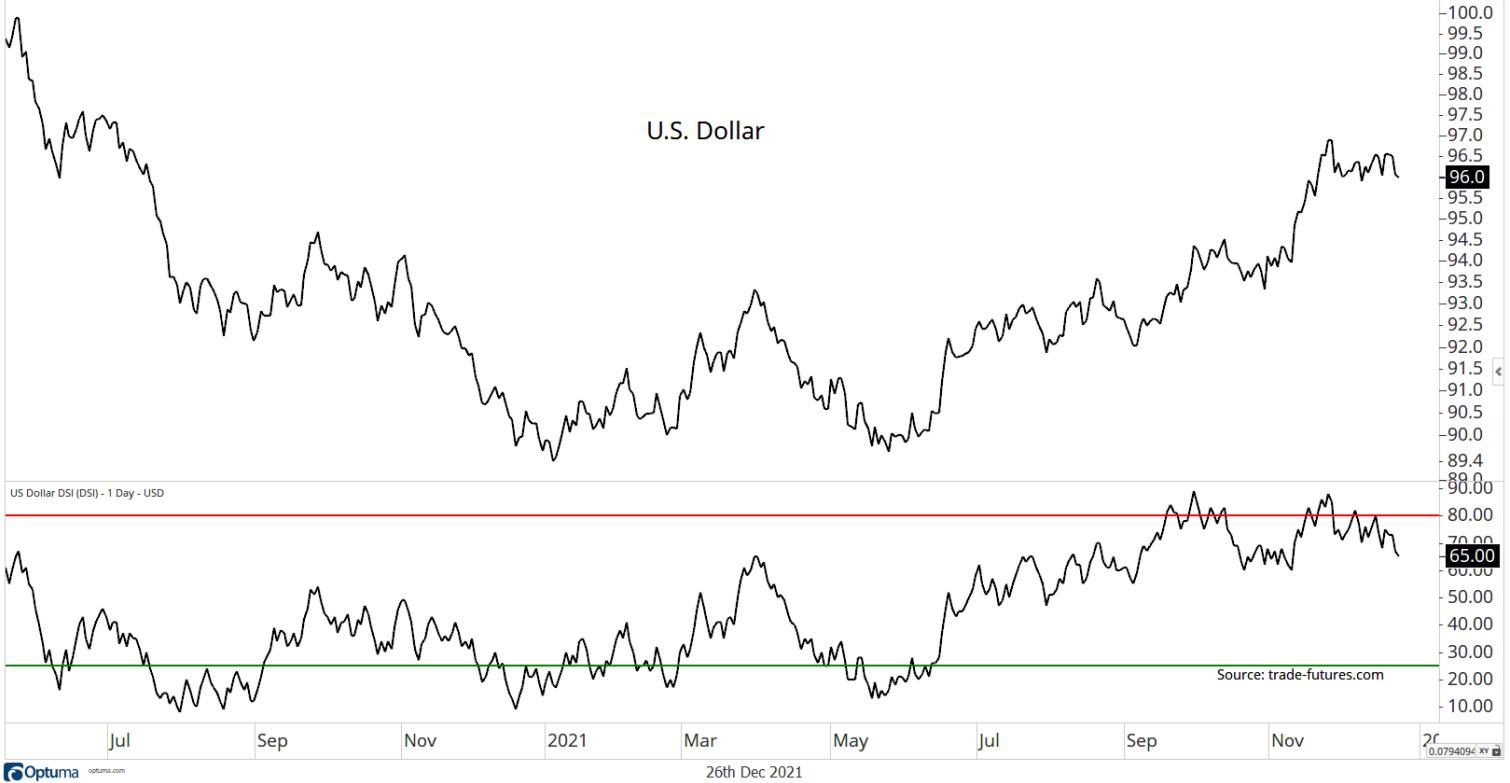
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DAILY SENTIMENT INDEX



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

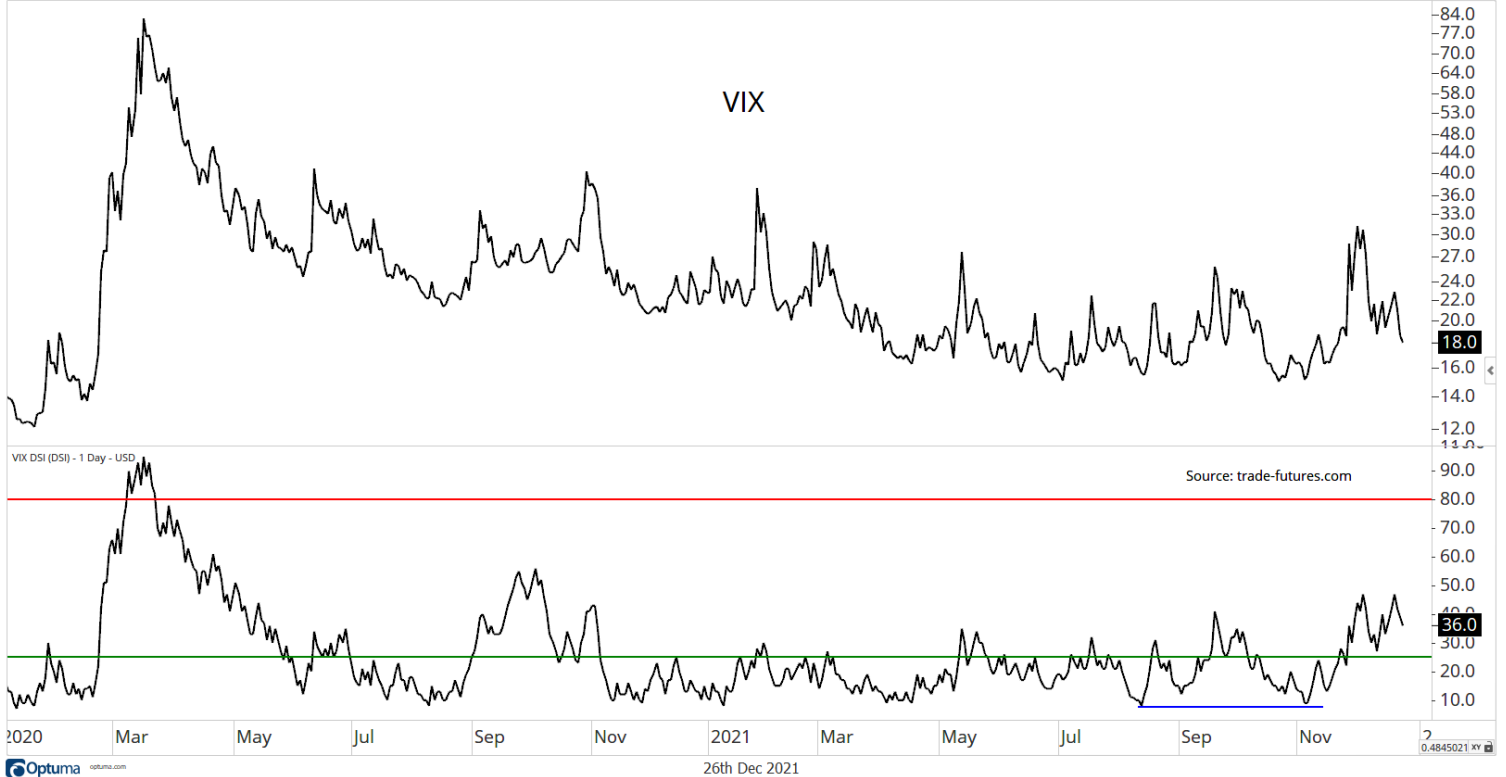


DAILY SENTIMENT INDEX



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ANALYTICS

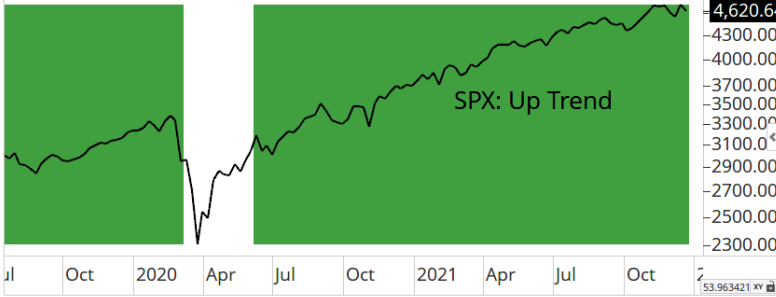
CBOE S&P 500 Volatility Index - VIX (CBOE) - 1 Day Line Chart - USD - No Layout



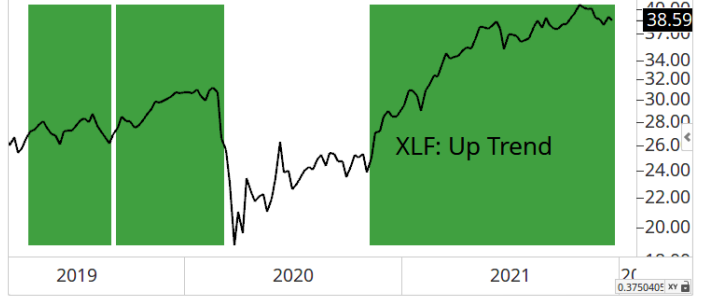
TREND MODELS



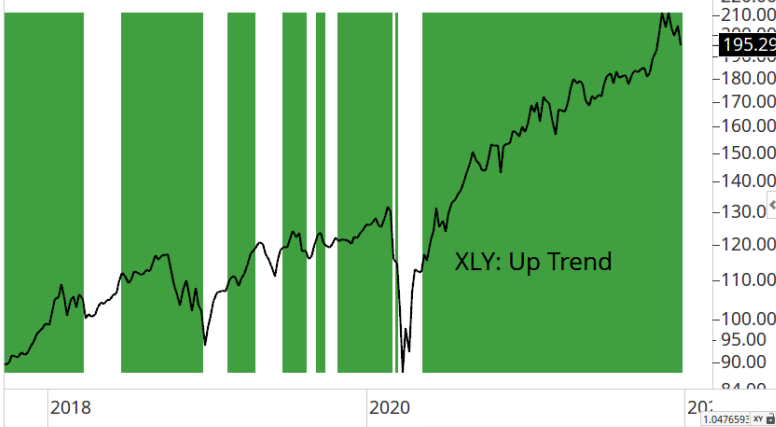
S&P 500 INDEX - SPX (W) - 1 Week Line Chart - USD - No Layout



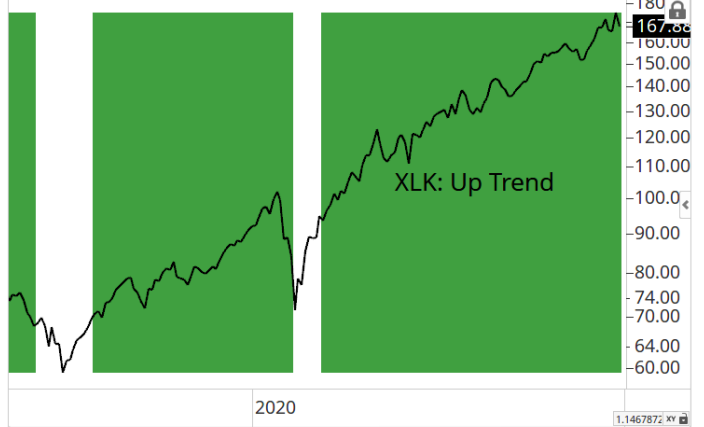
SPDR Financial Select Sector Fund ETF - XLF (US) - 1 Week Line Chart - USD - No Layout



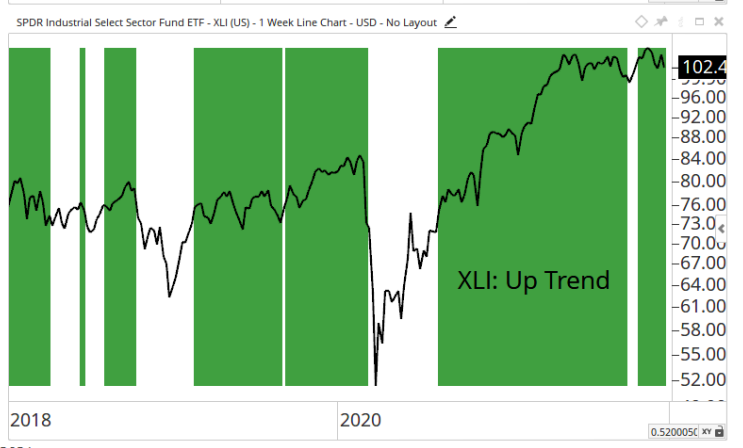
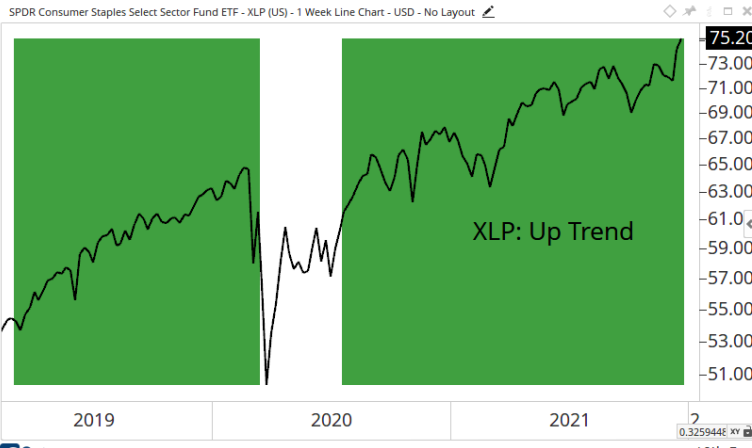
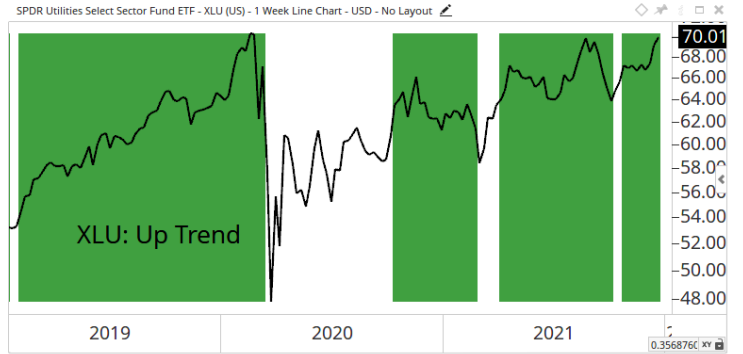
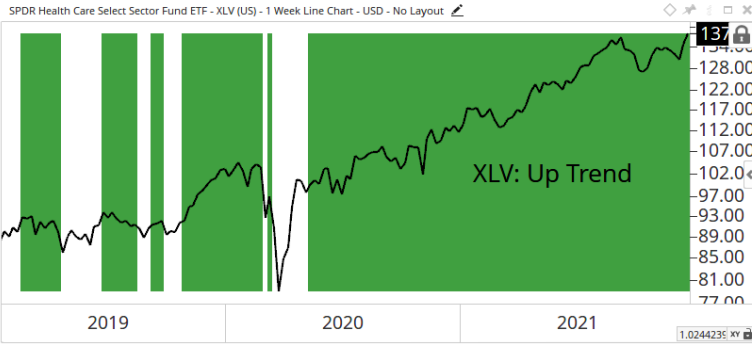
SPDR Consumer Discretionary Select Sector Fund ETF - XLY (US) - 1 Week Line Chart - USD - No Layout



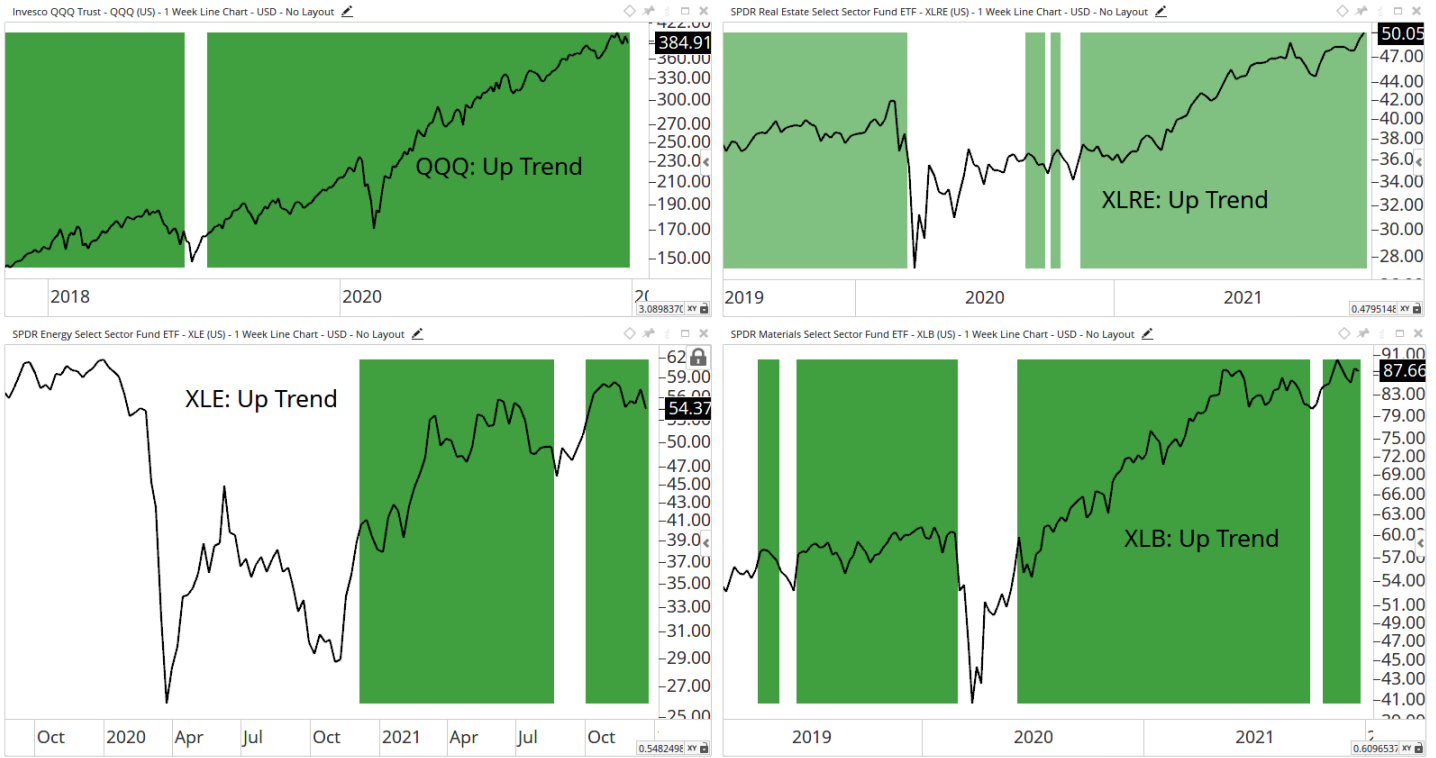
SPDR Technology Select Sector Fund ETF - XLK (US) - 1 Week Line Chart - USD - No Layout



TREND MODELS



TREND MODELS



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