THRASHER ANALYTICS

JANUARY 1, 2023

WEEKLY RESEARCH & ANALYSIS

BY ANDREW THRASHER, CMT

SUMMARY OF MODELS

	Current	Wkly Change
Maestro Model	-7	Decreasing
Volatility Risk Trigger	24	Decreasing
Risk Appetite Ratios	0.42	Decreasing
S&P 500 Long-Term Trend	Down	Unchanged

TABLE OF CONTENTS

Volatility

Equities

Maestro Model

Sector Sentiment

Sectors & Commodity

Sentiment

Trend Models

CFA Society Forecast Symposium

I have the great honor to be one of two speakers at the upcoming CFA Society of Indianapolis Forecast Symposium later this month. The event will be taking place at the Gainbridge Fieldhouse in downtown Indianapolis, the home of the Indianapolis Pacers.

Ciff Asness of AQR will be the keynote speaker and I can't wait to hear what he has to say as we move into the new year! I'll be discussing my paper that won the Charles Dow Award, Forecasting a Volatility Tsunami as well as how I use technical analysis as a Portfolio Manager.

Market Dashboard

Sector Rotation: January	
Energy	XLE
Financials	XLF
Industrials	XLI

Maestro Model	
Trend / Momentum	-2
Sentiment / VIX	-2
Breadth	1
Economic	-5
Total	-7

(Breadth is weighted double in model)

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	21%	21%
Nasdaq 100	17%	17%
Nikkei	20%	23%
VIX	17%	20%
10yr Treasury	18%	22%
5yr Treasury	24%	27%
CRB Index	48%	47%
Crude Oil	53%	52%
Gold	72%	69%
U.S. Dollar	32%	37%
Bitcoin	15%	12%

*Green<25% Red>80%

source: trade-futurez.com

Brief Summary:

Another slow week with markets seeing a marginal drop lower to finish off one of the worst years of performance. Volatility dispersion has continued to narrow and we're nearing levels that could raise the risk of a volatility spike.

While we didn't see major changes in price action, I do think there's an interesting development in one of the most hated corners of the equity market as we shift into a new year. Mega Cap growth stocks are seeing a test of the November low with a bullish divergence in both sentiment and momentum. There's also a bullish divergence in the drawdown data for the Nasdaq 100 as well as the DSI data for the Nasdaq while the index tests its prior lows. These stocks have been unloved nearly the entire year, so if they were to start to recover, we could see a notable chase after most investors shed their exposure throughout 2022.

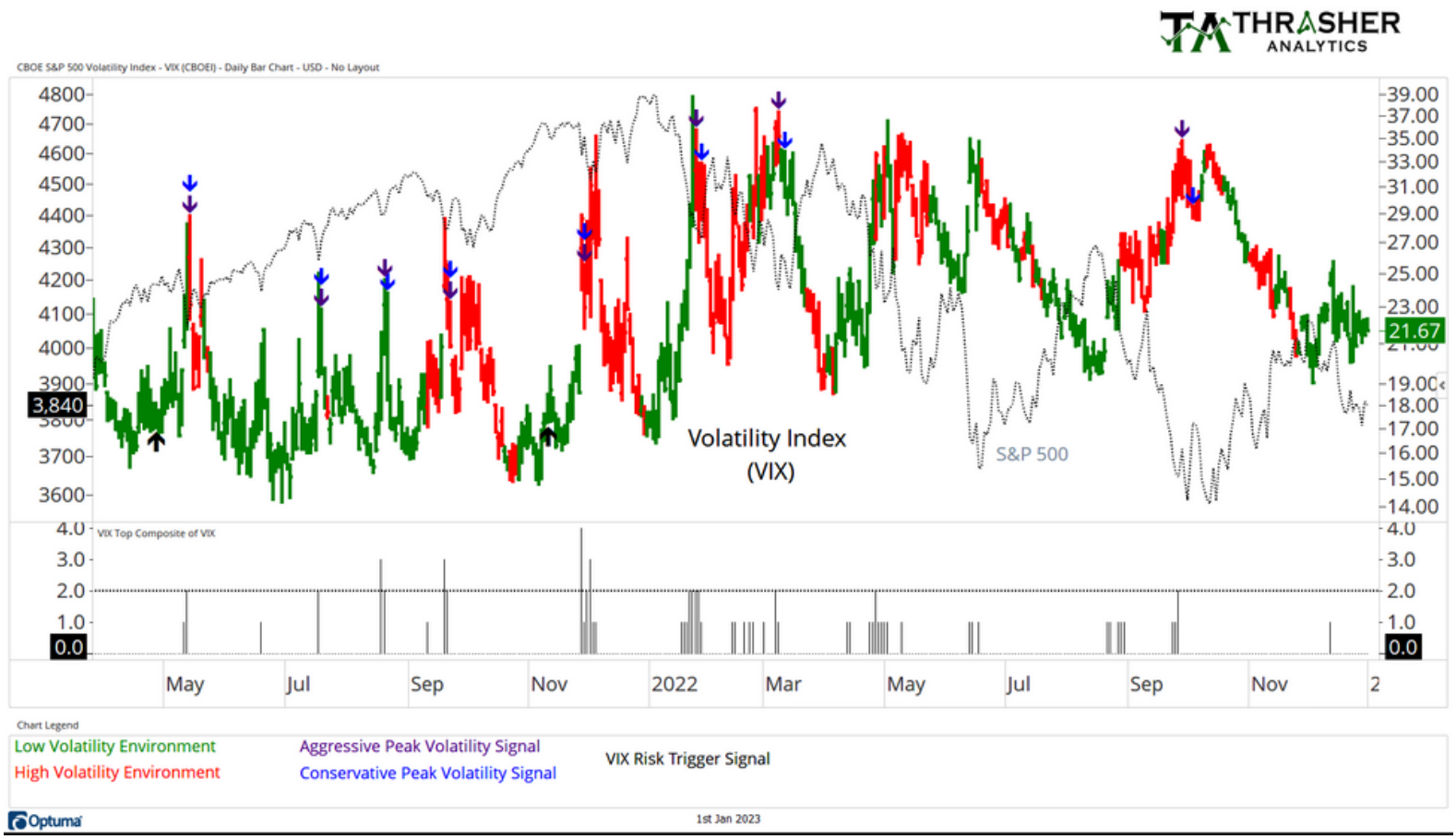
This week we'll get a look at December jobs data as well as the latest ISM Manufacturing report and the release of the December FOMC meeting minutes. There's no FOMC meeting this month, so the markets will try and see if there's a read-through into what the Fed is planning for the February meeting.

Volatility: VRT

VRT fell to 24 at the end of last week with some of the indicators coming off their signal levels.

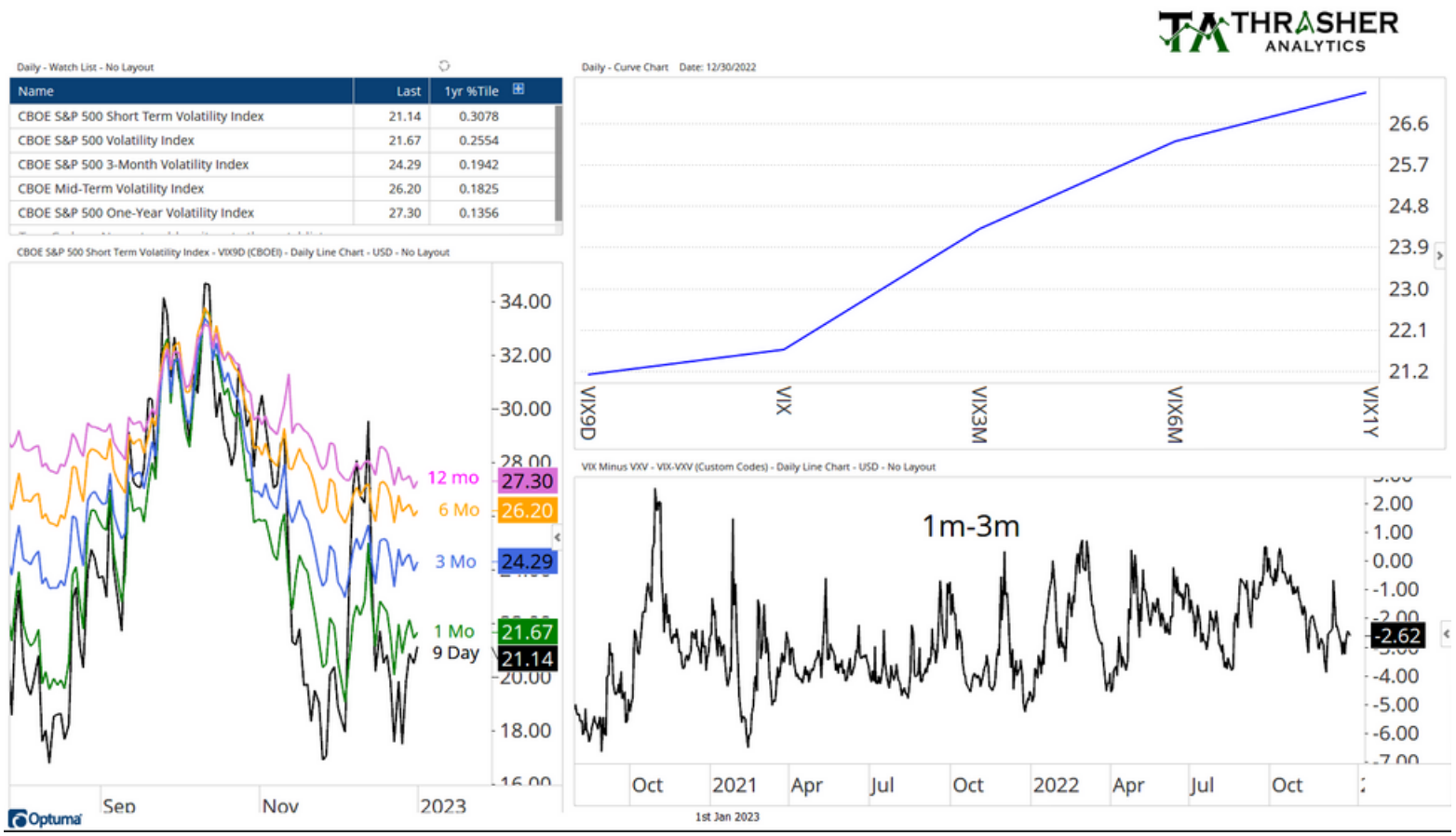
Volatility: Top & Environment

VIX remains in a Low Volatility Environment.



Volatility - Curve

The VIX futures curve remains in contango with the backend of the curve still below the 20th percentile.



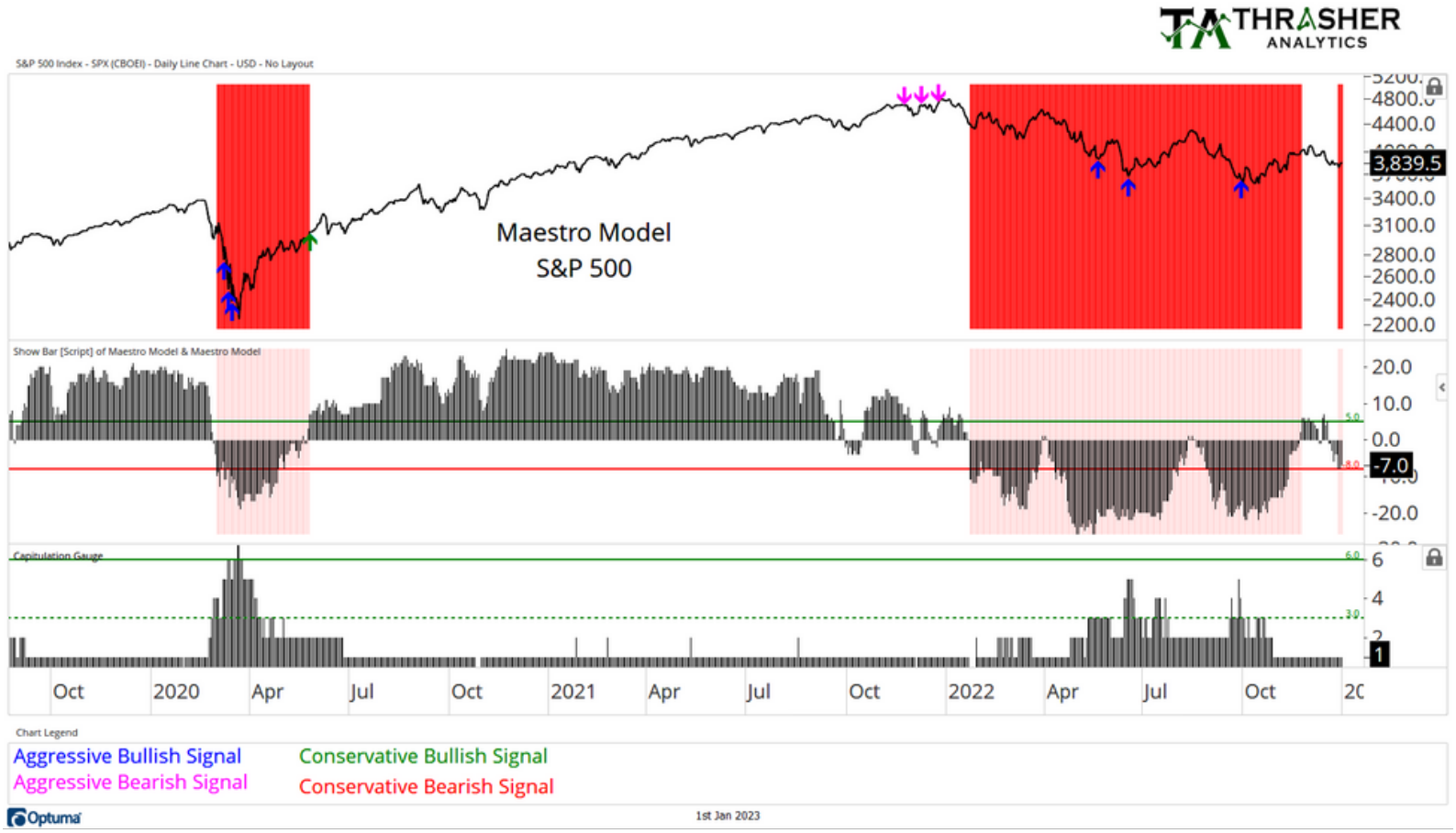
Volatility - Dispersion

Last week I discussed the narrowing in dispersion for the composite of VIX for some of the major equity indices. This week, I want to focus more on just the VIX Index (S&P 500 Volatility). Standard deviation for spot VIX has continued to decline with VIX having gone basically nowhere for the last month. At the start of January, the 20-day lookback period will 'drop off' the lowest close in the last several months (dotted blue box at the start of December), which will cause a material drop further in standard deviation. This lends itself to a heightened risk of volatility spike if the narrowing of dispersion continues. I will continue to monitor this closely and send out any mid-week updates if I deem it warranted.

Maestro Model

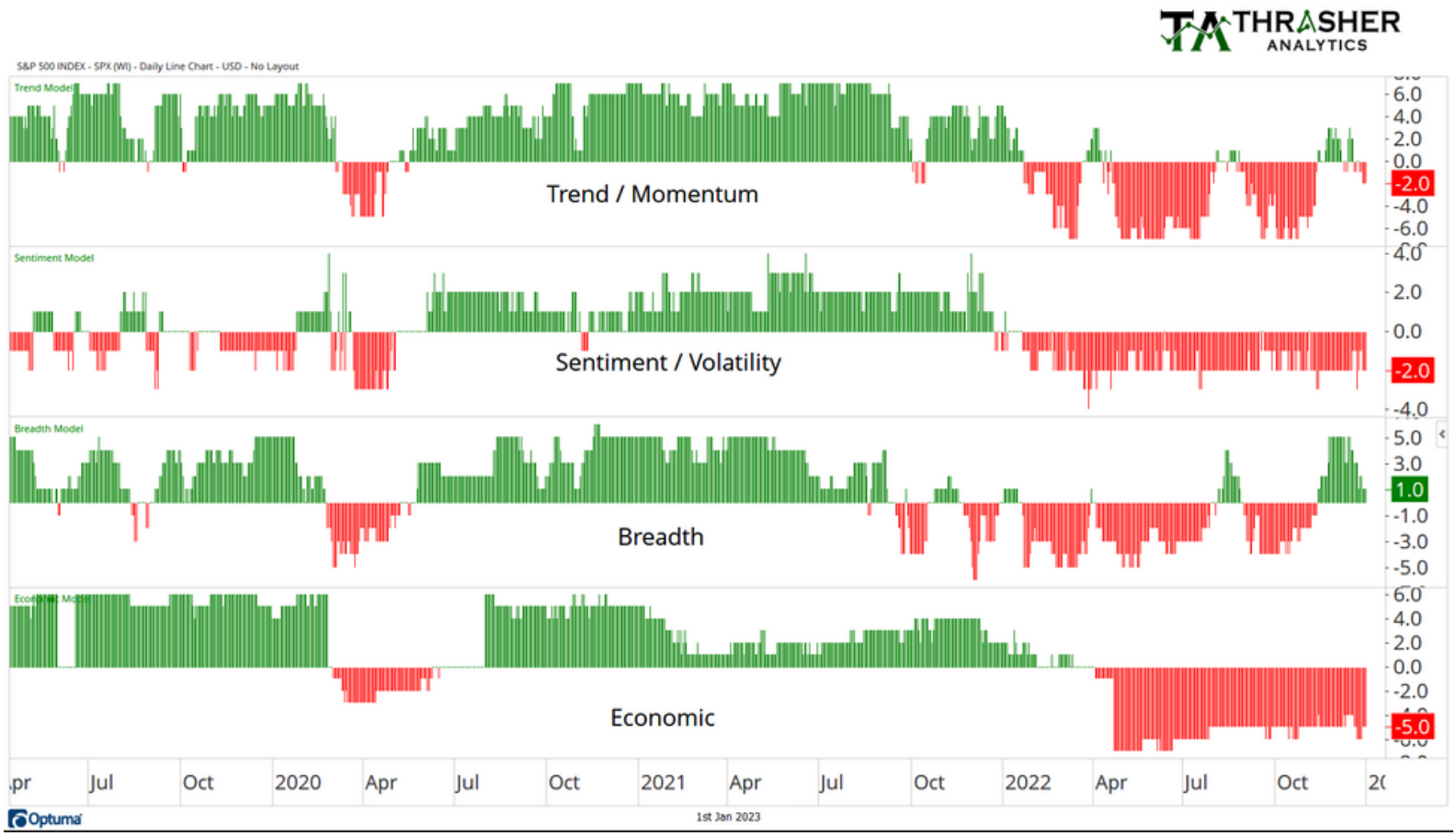
Please be sure to check out the Maestro Model Summary PDF in the Archive on the website.

The Maestro Model weakened to -7, hitting -8 earlier in the week. The S&P 500 is now less than 5% from its June low as buyers were unable to maintain control into year-end.



Maestro Model - Categories

Trend/Momentum and Sentiment/Volatility both moved lower by Friday of last week.



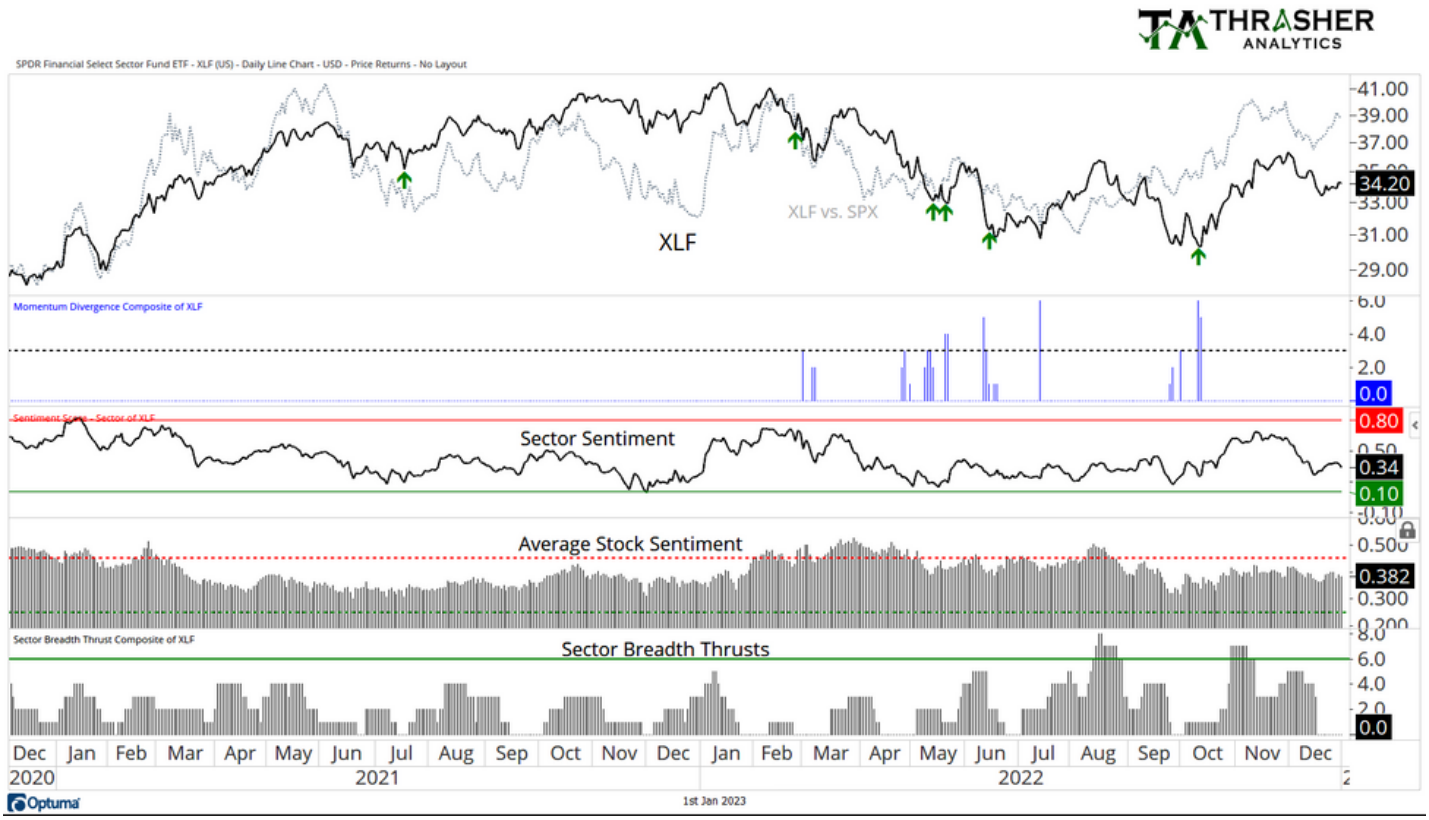
Sentiment Score

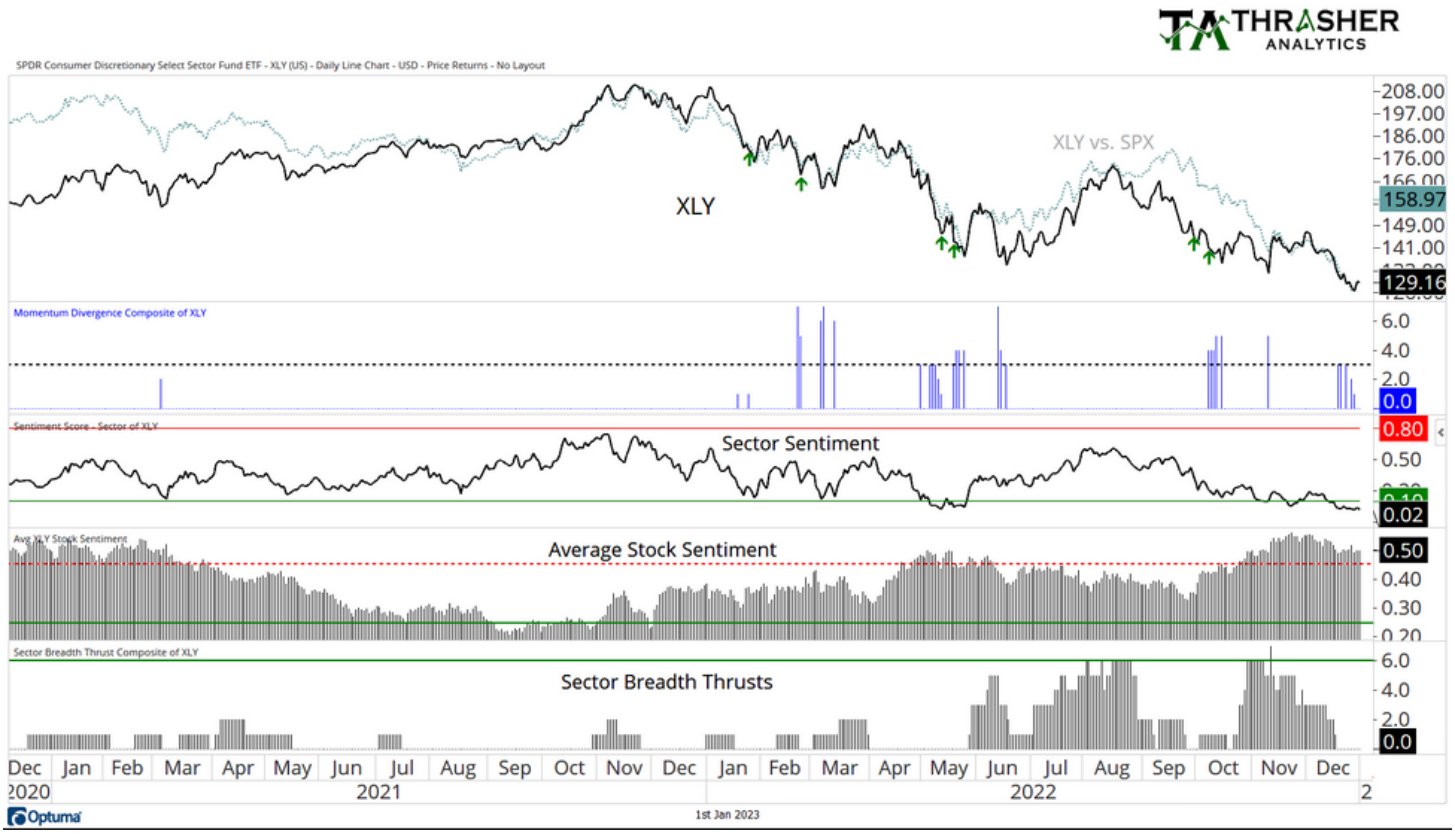
Energy saw an uptick in breadth thrusts last week, now at 3. The average stock sentiment in the Utility sector is elevated, at 0.466.

Daily - Watch List - No Layout

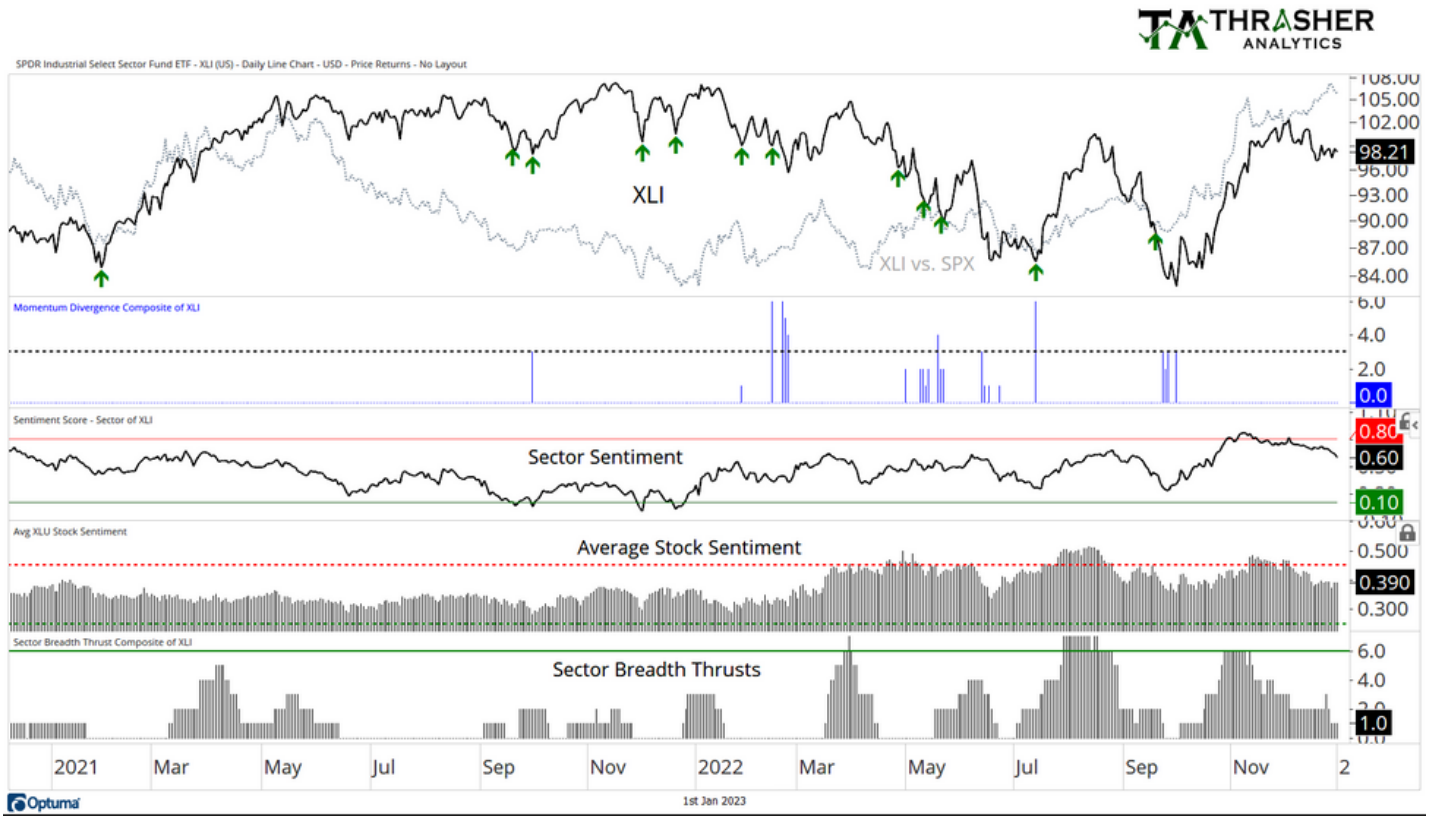
Sector	Ticker	Sector Sentiment	Change in Score	1W Perf	1M Perf	3M Perf
SPDR Industrial Select Sector Fund ETF	XLI	0.60	-0.10	-0.18%	-3.45%	18.55%
SPDR Utilities Select Sector Fund ETF	XLU	0.56	-0.02	-0.58%	-1.30%	7.62%
SPDR Health Care Select Sector Fund ETF	XLV	0.56	-0.06	-0.18%	-2.28%	12.17%
SPDR Materials Select Sector Fund ETF	XLB	0.55	-0.13	-1.07%	-6.13%	14.22%
SPDR Consumer Staples Select Sector Fund ETF	XLP	0.51	-0.07	-0.84%	-3.42%	11.72%
SPDR Energy Select Sector Fund ETF	XLE	0.40	0.00	0.47%	-4.04%	21.45%
SPDR Financial Select Sector Fund ETF	XLF	0.34	-0.04	0.74%	-5.81%	12.65%
SPDR Communication Services Select Sector ETF	XLC	0.31	0.04	0.40%	-6.83%	0.21%
SPDR Real Estate Select Sector Fund ETF	XLRE	0.26	-0.02	-0.40%	-5.89%	2.55%
SPDR Technology Select Sector Fund ETF	XLK	0.21	-0.03	-0.13%	-8.47%	4.77%
SPDR Consumer Discretionary Select Sector Fund	XLY	0.02	-0.01	-0.21%	-11.64%	-9.33%

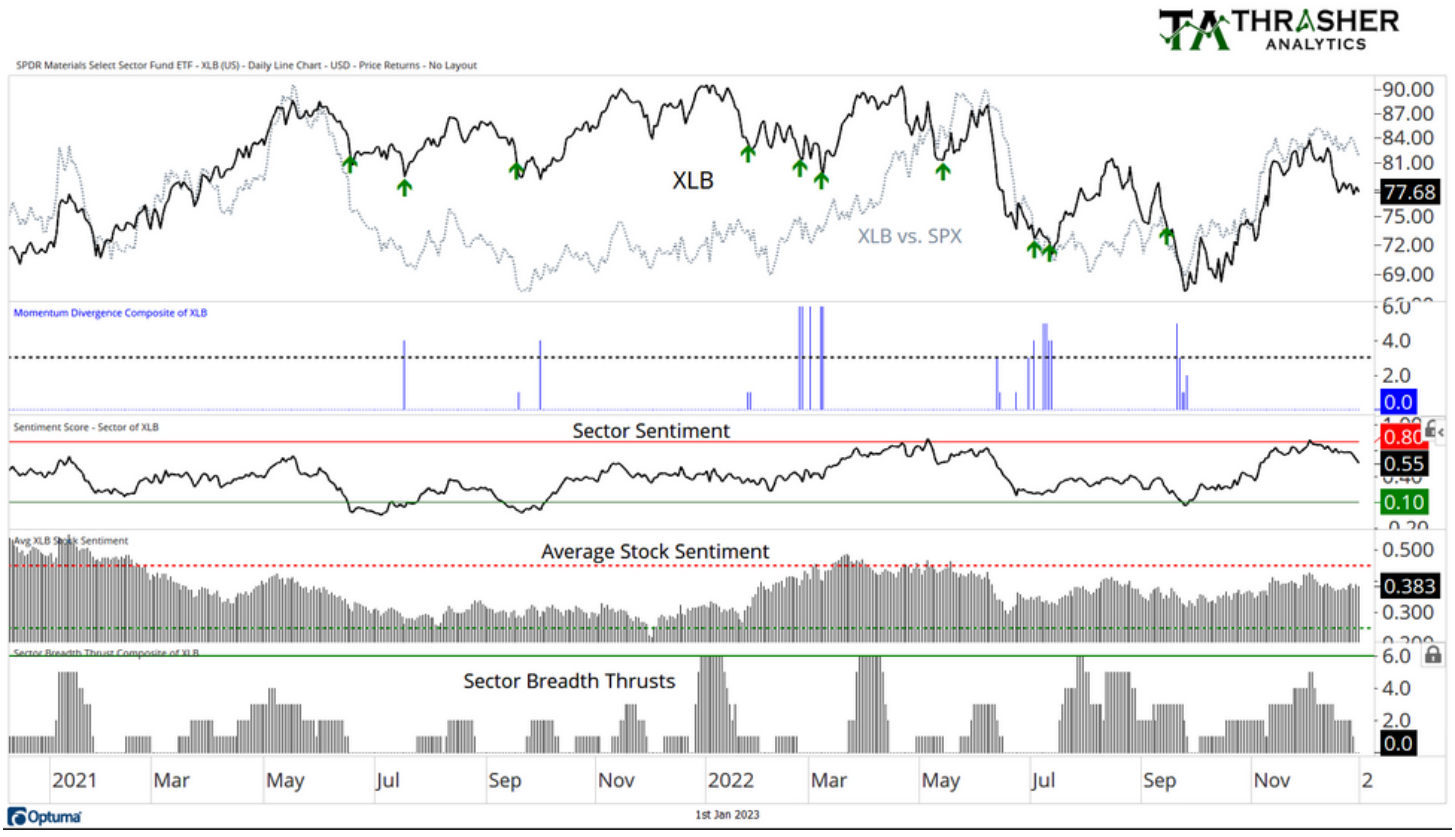
Sentiment Score: XLF & XLY



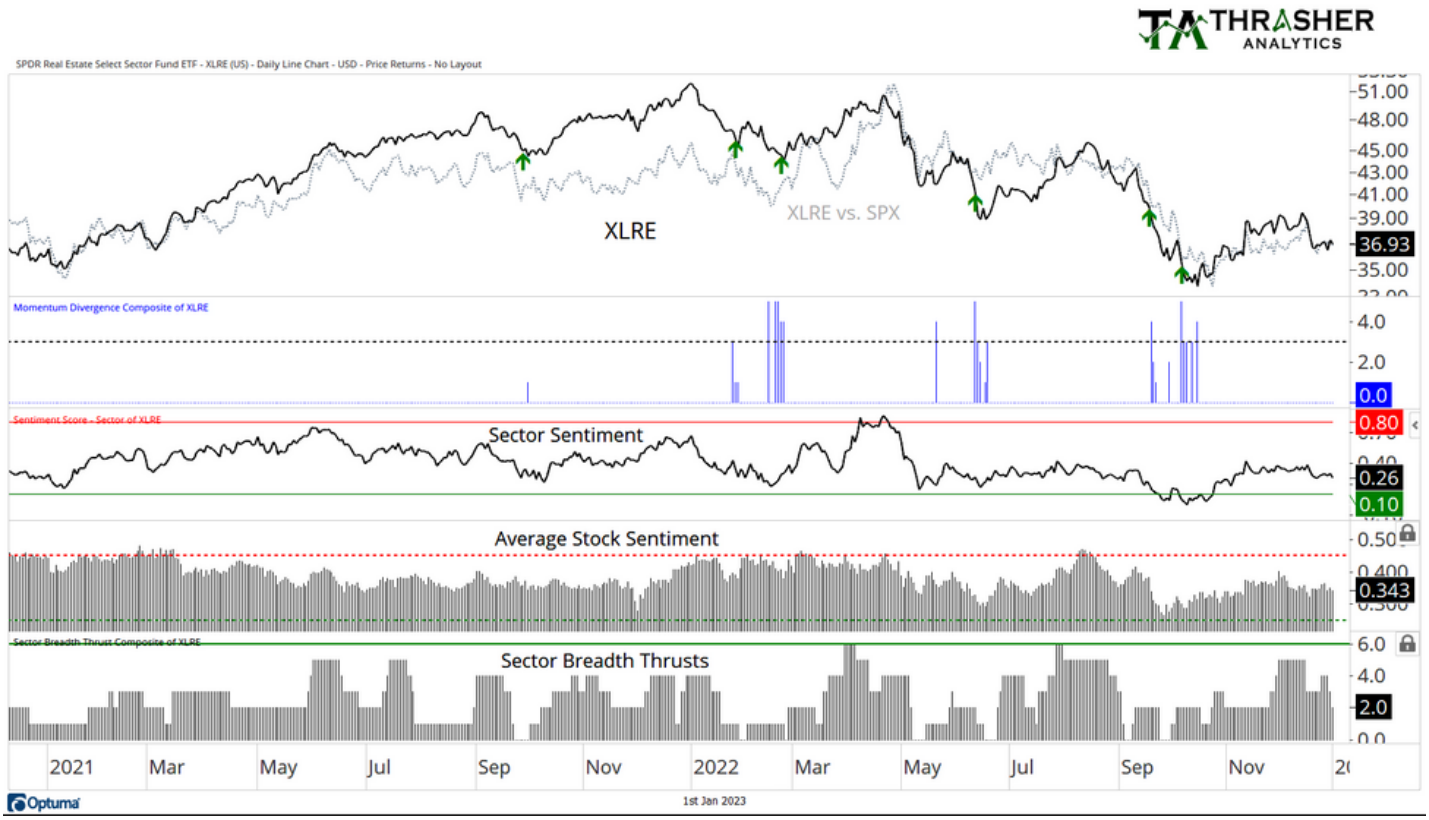


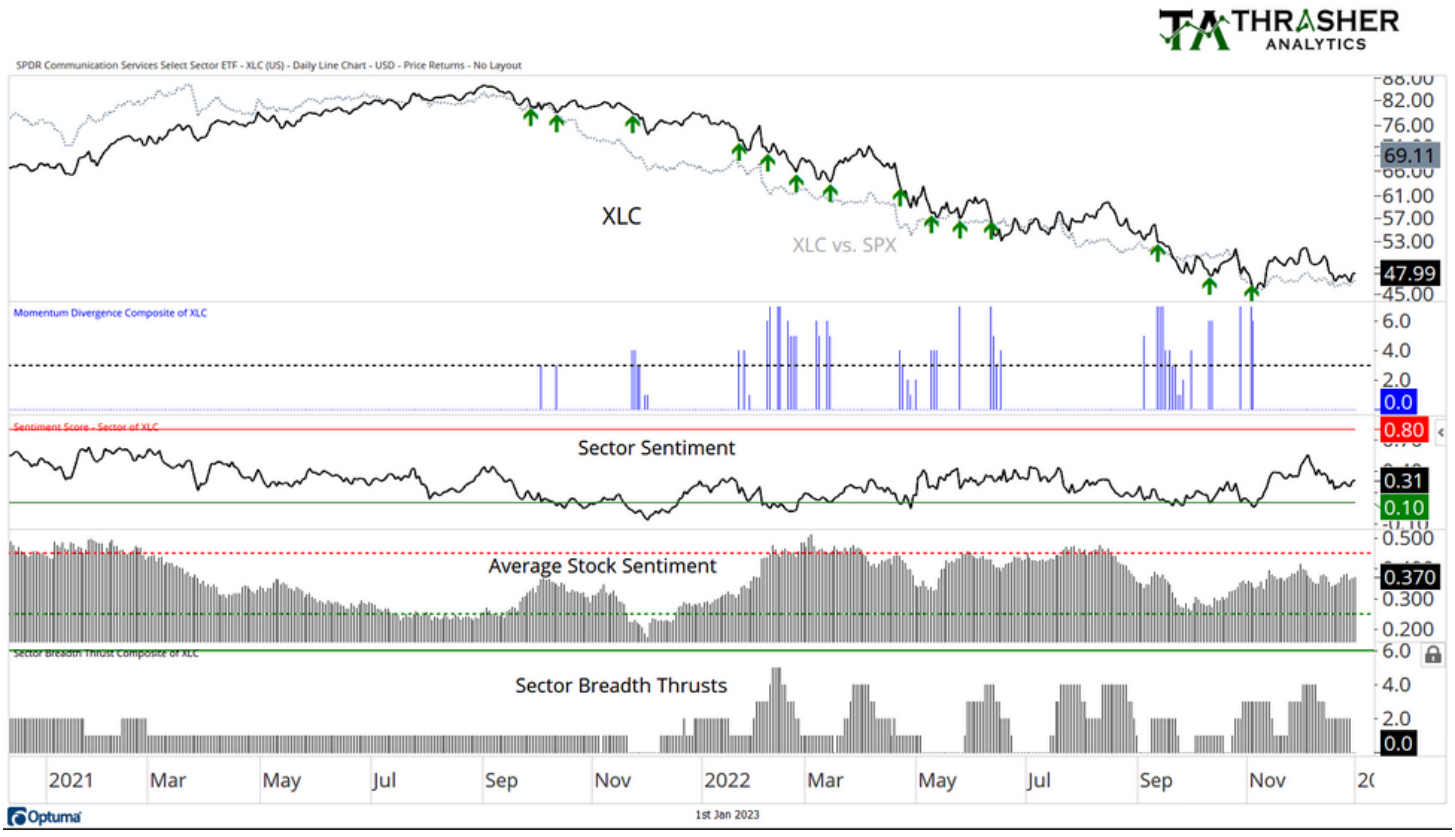
Sentiment Score: XLI & XLB



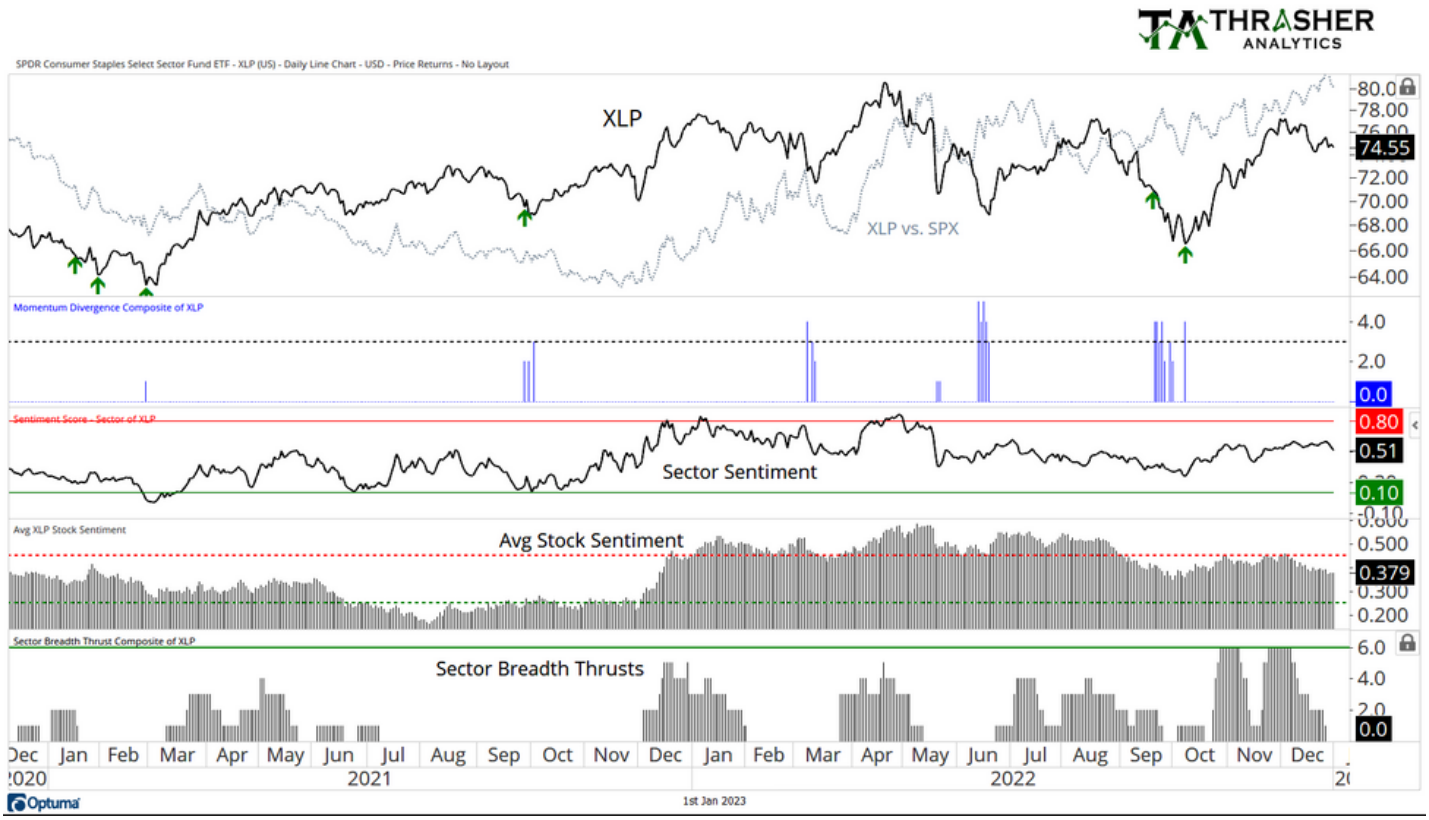


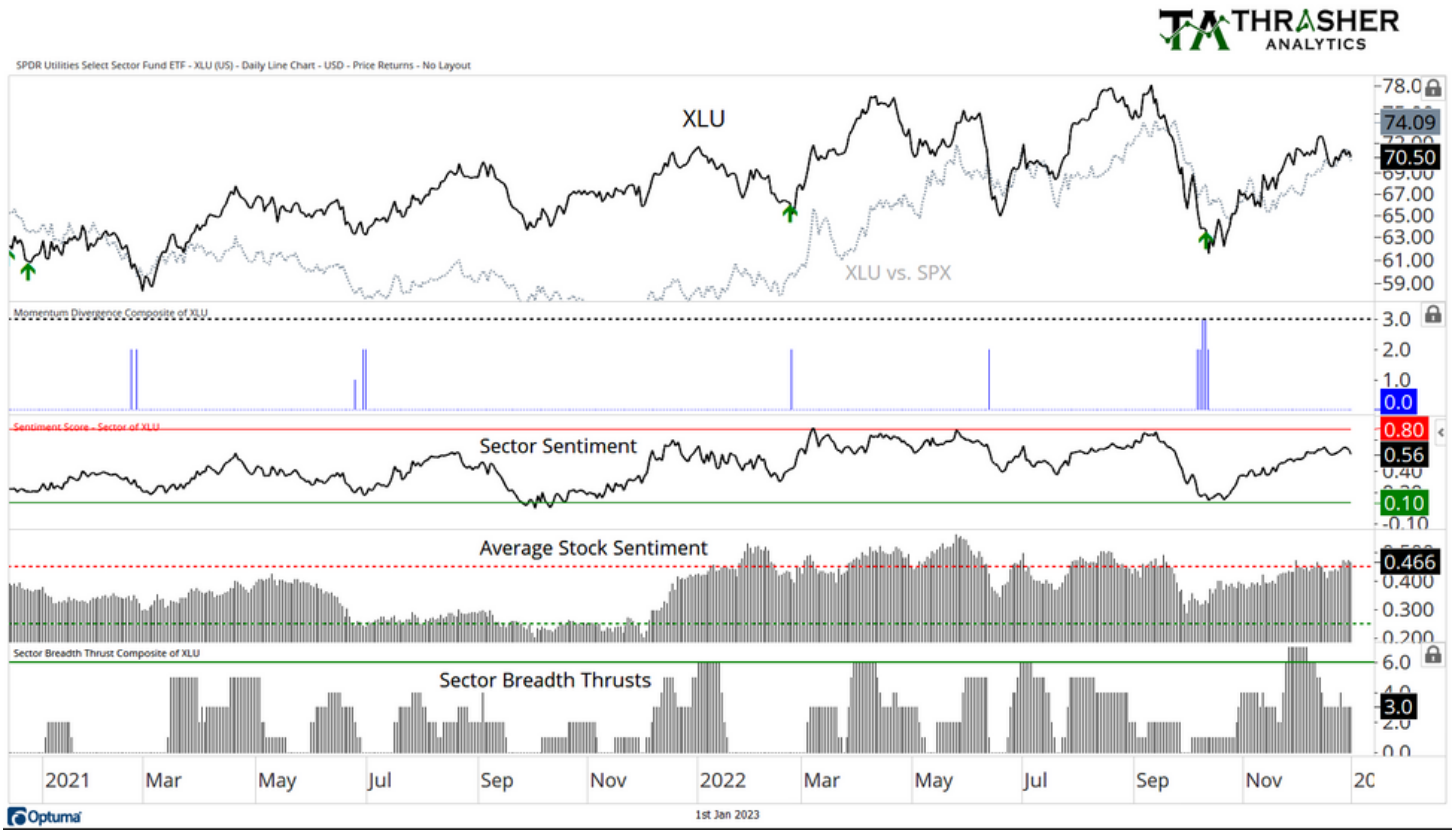
Sentiment Score: XLRE & XLC



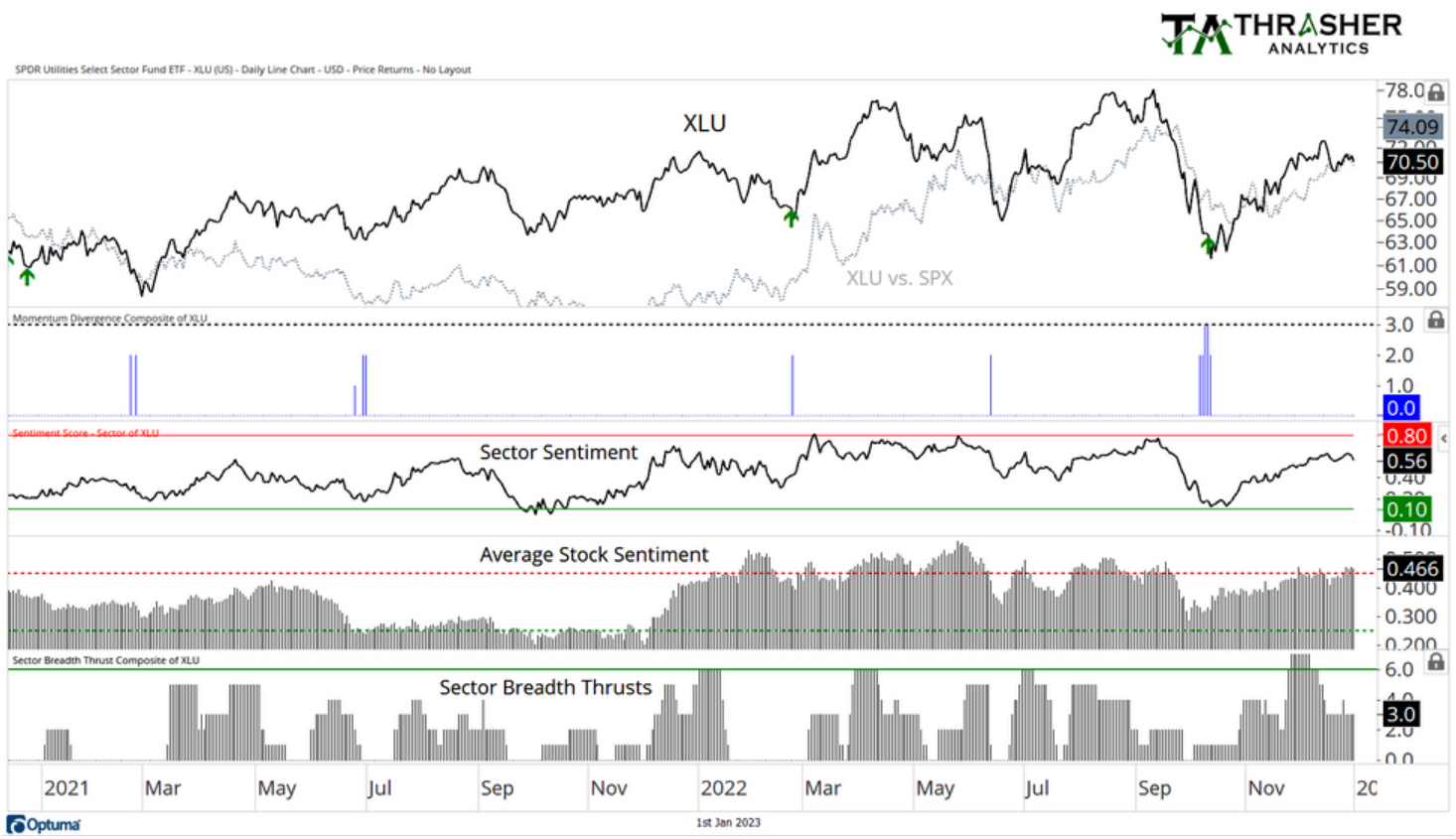


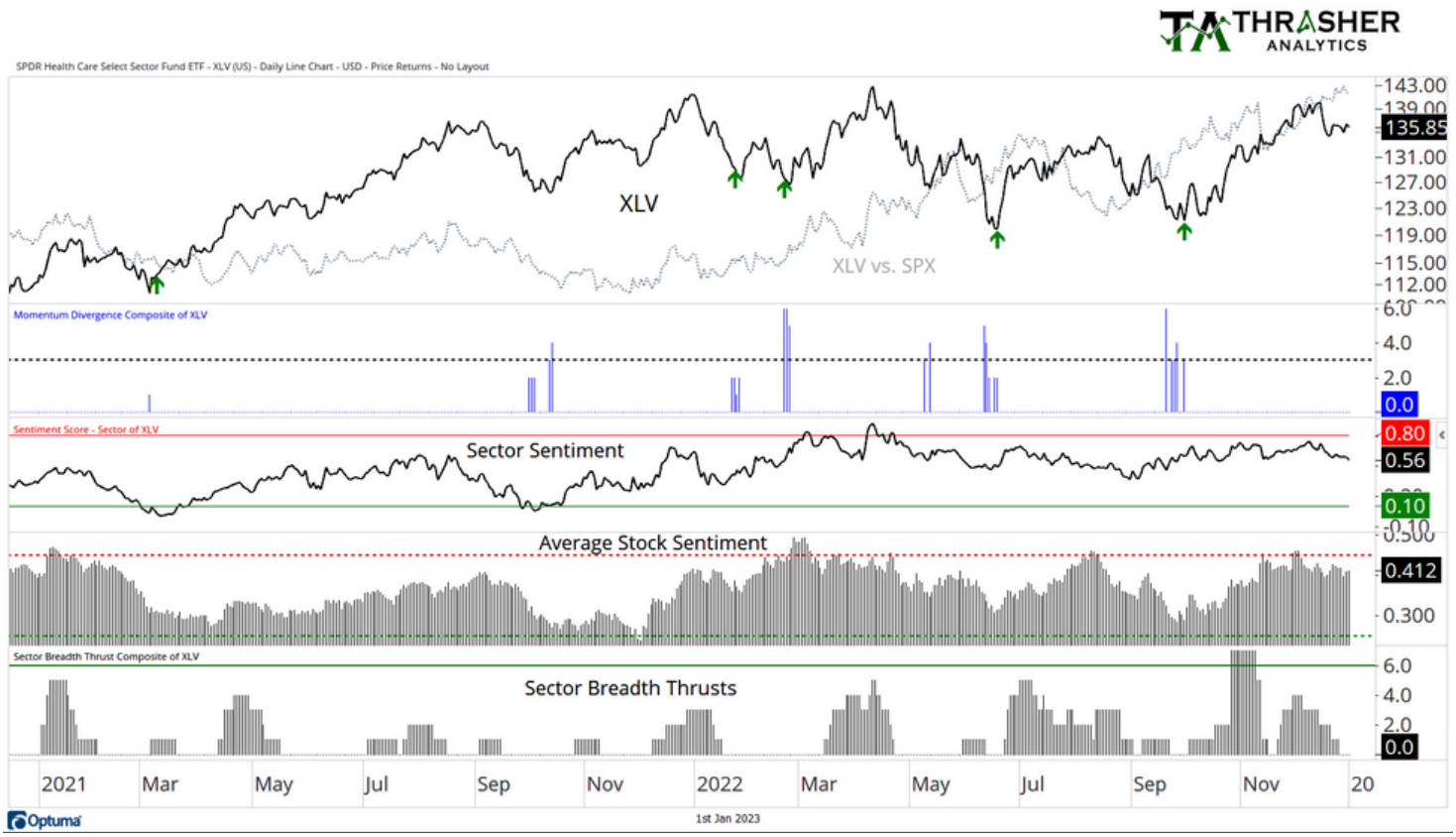
Sentiment Score: XLP & XLU



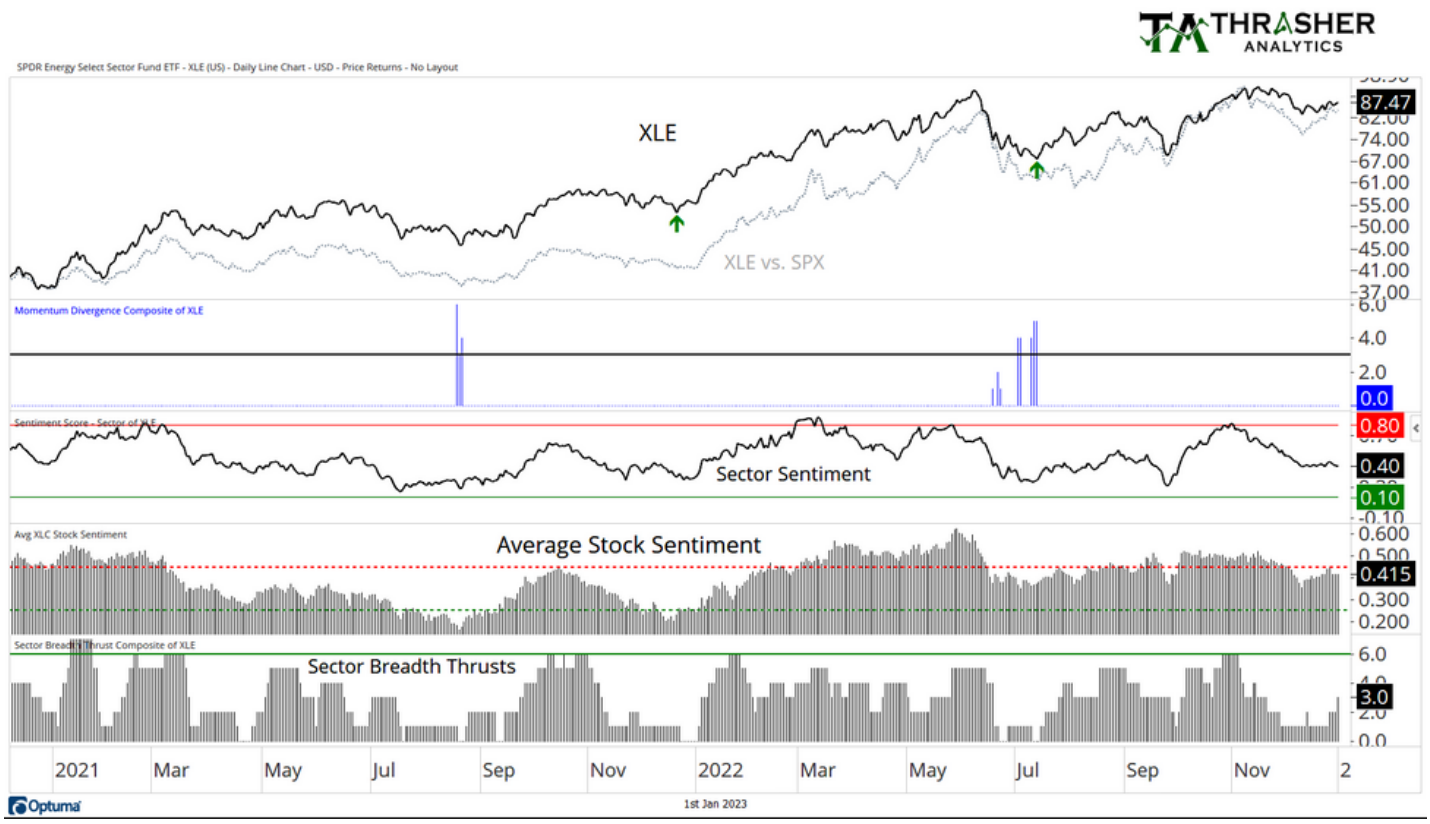


Sentiment Score: XLK & XLV





Sentiment Score: XLE

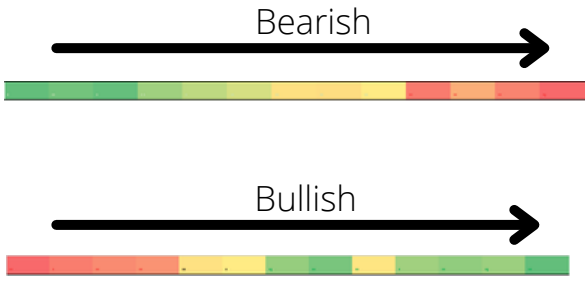


Risk Appetite Ratio

Below is a table of 17 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 35 trading days. As the data improves, it turns green and as it declines it becomes red.

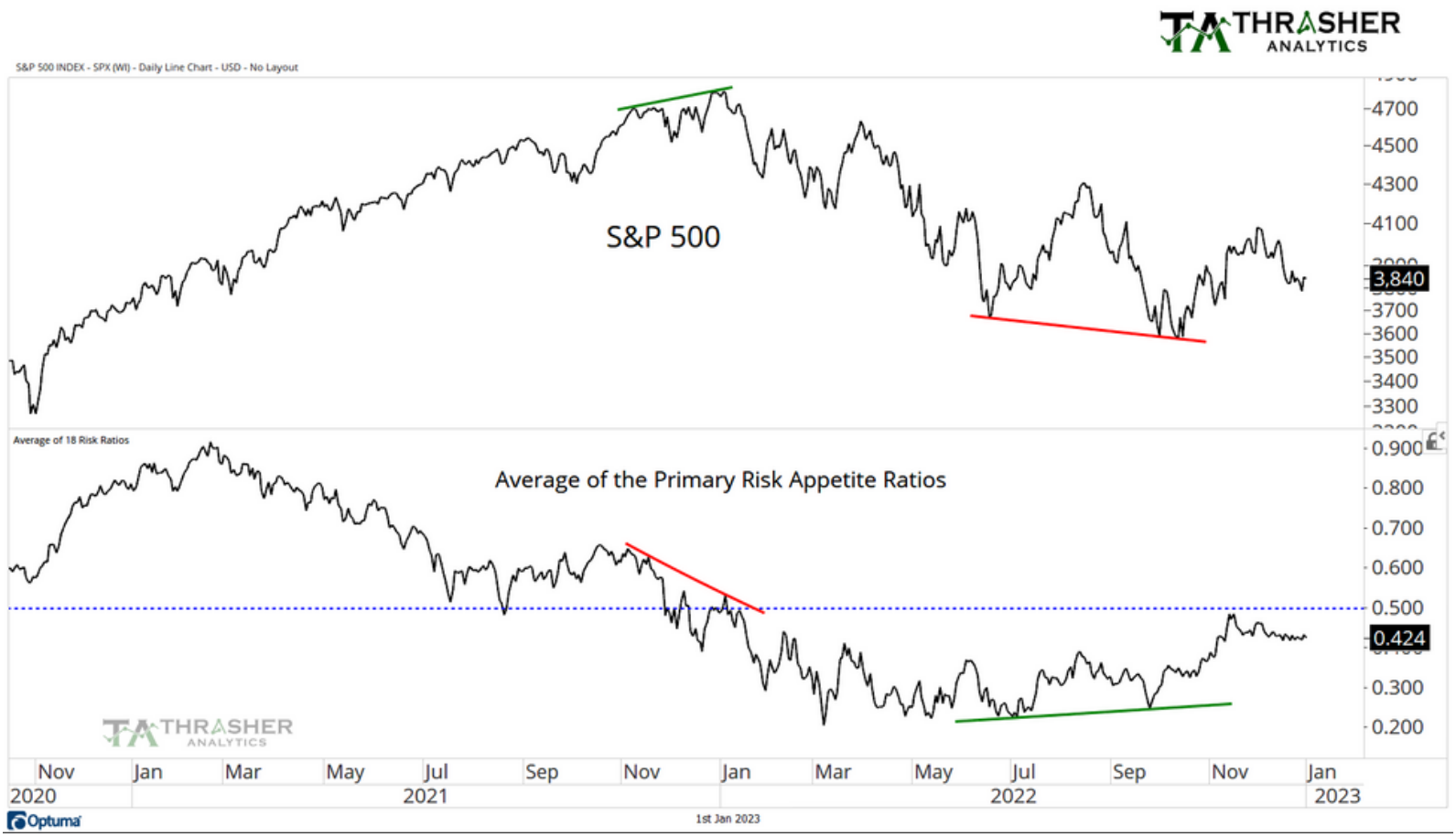
The average Risk Appetite Ratio percentile is at the 42nd percentile.

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	0.31	0.24	0.31	0.32	0.38	0.34	0.36	0.32	0.29	0.24	0.25	0.23	0.28	0.37	0.36	0.35	0.37	0.40	0.45	0.43	0.45	0.45	0.38	0.32	0.35	0.35	0.43	0.47	0.46	0.44	0.46	0.43	0.51	0.50	0.49	0.45
EAFE vs. SPX	0.45	0.46	0.53	0.52	0.51	0.54	0.56	0.54	0.52	0.52	0.55	0.59	0.61	0.65	0.55	0.62	0.63	0.66	0.74	0.75	0.73	0.79	0.71	0.73	0.77	0.76	0.81	0.86	0.88	0.85	0.89	0.88	0.92	0.93	0.91	0.86
HY Debt vs. Treasury	0.89	0.87	0.89	0.88	0.85	0.77	0.79	0.82	0.81	0.79	0.75	0.75	0.71	0.76	0.79	0.69	0.65	0.65	0.59	0.53	0.54	0.63	0.63	0.63	0.60	0.56	0.58	0.62	0.66	0.68	0.65	0.71	0.75	0.72	0.73	0.77
Home Construction vs. SPX	0.36	0.51	0.51	0.43	0.48	0.47	0.43	0.42	0.41	0.44	0.45	0.45	0.45	0.48	0.46	0.50	0.48	0.48	0.48	0.57	0.55	0.55	0.57	0.59	0.61	0.72	0.73	0.69	0.66	0.67	0.71	0.68	0.69	0.66	0.68	0.66
Offense vs. Defense Sectors	0.17	0.28	0.38	0.37	0.38	0.32	0.32	0.27	0.23	0.26	0.26	0.24	0.20	0.22	0.24	0.24	0.24	0.18	0.13	0.10	0.10	0.11	0.12	0.15	0.11	0.08	0.09	0.06	0.07	0.08	0.01	0.03	0.00	0.00	0.04	0.06
Broker-Dealer vs. SPX	1.00	0.92	0.91	0.91	0.91	0.89	0.86	0.85	0.89	0.87	0.86	0.88	0.89	0.93	0.86	0.86	0.87	0.85	0.87	0.81	0.78	0.83	0.81	0.76	0.70	0.71	0.76	0.77	0.77	0.80	0.83	0.83	0.83	0.87	0.84	0.83
S&P Growth vs. S&P Value	0.00	0.09	0.13	0.12	0.13	0.12	0.12	0.10	0.06	0.07	0.08	0.07	0.06	0.03	0.10	0.11	0.10	0.10	0.07	0.06	0.08	0.08	0.08	0.10	0.10	0.06	0.05	0.06	0.05	0.04	0.02	0.02	0.00	0.00	0.00	0.01
Semiconductor vs. SPX	0.21	0.33	0.39	0.39	0.45	0.37	0.40	0.39	0.35	0.39	0.40	0.37	0.35	0.34	0.41	0.41	0.37	0.39	0.37	0.38	0.44	0.44	0.45	0.48	0.44	0.40	0.43	0.38	0.37	0.39	0.31	0.29	0.25	0.25	0.29	0.29
Consumer Disc. Vs. Staples	0.09	0.19	0.26	0.24	0.27	0.20	0.19	0.18	0.15	0.17	0.18	0.18	0.17	0.19	0.20	0.22	0.20	0.19	0.17	0.15	0.17	0.17	0.19	0.21	0.20	0.20	0.17	0.14	0.13	0.15	0.12	0.12	0.11	0.11	0.15	0.16
Small Cap vs. Utilities	0.26	0.29	0.33	0.34	0.35	0.30	0.32	0.30	0.29	0.29	0.27	0.28	0.26	0.29	0.31	0.30	0.33	0.27	0.21	0.22	0.24	0.22	0.19	0.19	0.17	0.14	0.16	0.16	0.17	0.18	0.16	0.15	0.11	0.10	0.15	0.17
Transports vs. Utilities	0.44	0.46	0.54	0.57	0.56	0.49	0.51	0.47	0.46	0.45	0.43	0.45	0.43	0.49	0.48	0.46	0.48	0.40	0.35	0.34	0.34	0.34	0.40	0.39	0.42	0.37	0.40	0.37	0.33	0.34	0.32	0.32	0.29	0.27	0.30	0.31
Equal Weight vs. Cap Weight	1.00	0.98	0.98	0.95	0.97	0.93	0.90	0.93	0.97	0.97	0.94	0.99	0.96	1.00	0.91	0.94	0.94	0.92	0.97	0.97	0.95	0.95	0.95	0.95	0.95	0.98	1.00	0.95	0.95	0.95	1.00	1.00	1.00	0.98	0.97	0.95
Small cap vs. Large Cap	0.40	0.43	0.44	0.44	0.48	0.45	0.44	0.48	0.47	0.46	0.44	0.53	0.54	0.59	0.55	0.53	0.60	0.50	0.49	0.48	0.51	0.46	0.43	0.39	0.39	0.38	0.48	0.42	0.47	0.49	0.50	0.49	0.46	0.43	0.50	0.50
Equities. vs. VIX	0.20	0.34	0.39	0.33	0.31	0.32	0.32	0.36	0.38	0.45	0.50	0.49	0.39	0.41	0.50	0.54	0.59	0.47	0.39	0.37	0.39	0.36	0.29	0.39	0.45	0.35	0.35	0.35	0.39	0.48	0.37	0.43	0.39	0.35	0.40	0.39
Aussie Dollar vs. Yen	0.73	0.76	0.78	0.78	0.76	0.75	0.77	0.75	0.75	0.74	0.75	0.66	0.68	0.74	0.65	0.60	0.62	0.62	0.63	0.67	0.69	0.69	0.69	0.70	0.66	0.61	0.63	0.41	0.46	0.43	0.48	0.49	0.52	0.56	0.54	0.49
Lumber vs. Gold	0.04	0.03	0.01	0.01	0.02	0.00	0.01	0.00	0.02	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.03	0.04	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.01	0.00
Copper vs. Gold	0.42	0.40	0.50	0.42	0.41	0.37	0.32	0.29	0.26	0.30	0.29	0.28	0.29	0.30	0.39	0.36	0.37	0.37	0.39	0.40	0.42	0.39	0.36	0.34	0.38	0.34	0.32	0.34	0.30	0.31	0.32	0.35	0.34	0.36	0.32	0.31
AVERAGE	0.41	0.45	0.49	0.47	0.48	0.45	0.45	0.44	0.43	0.44	0.44	0.44	0.43	0.46	0.46	0.46	0.46	0.44	0.43	0.43	0.44	0.44	0.43	0.43	0.43	0.41	0.43	0.42	0.42	0.43	0.42	0.43	0.42	0.42	0.43	0.42



Risk Appetite Ratio

Risk Appetite didn't move much last week, finishing the week at the 42nd percentile.



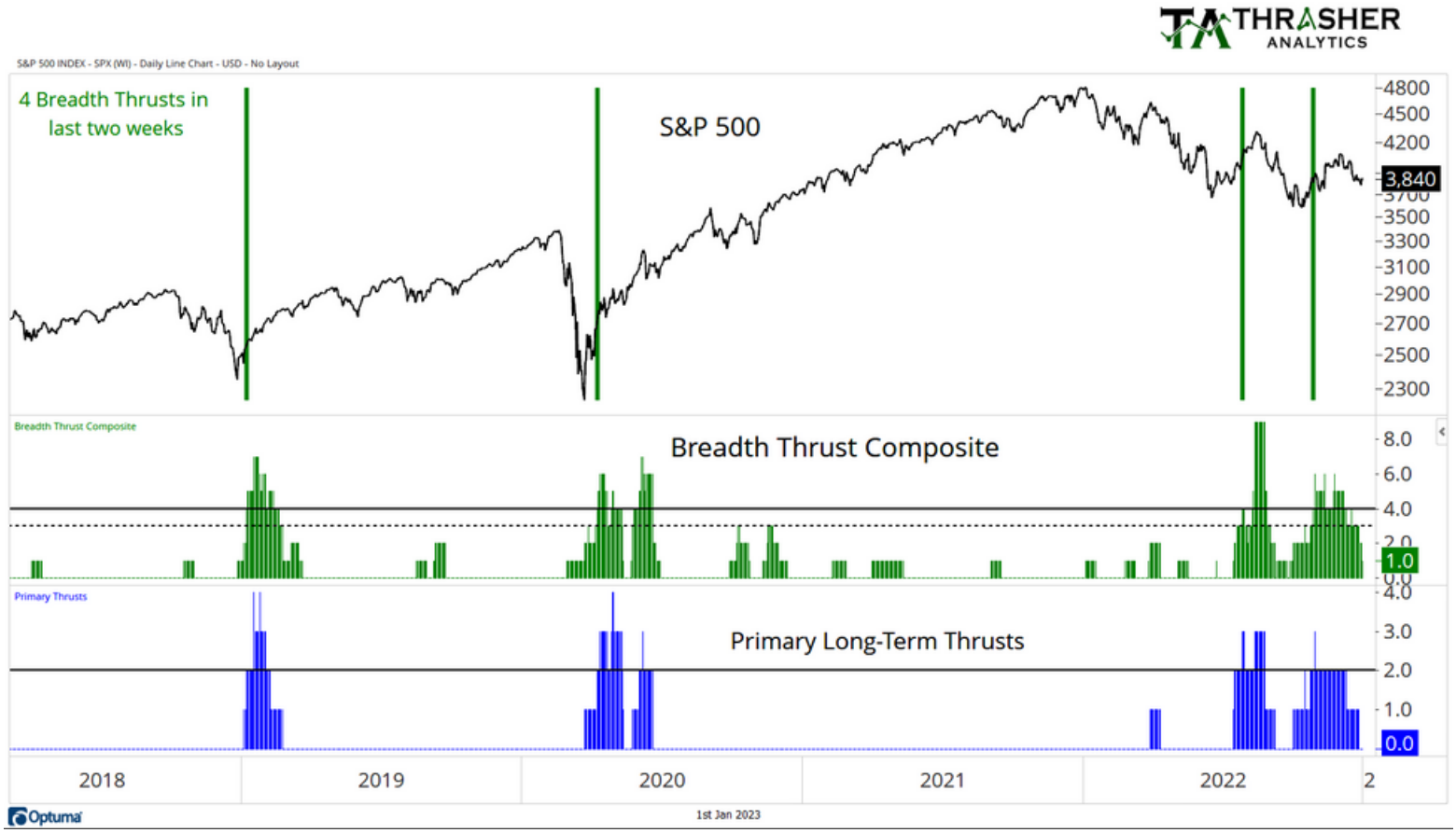
Equities - S&P 500 Daily

Another slow week as markets finished up trading in 2022. The SPX finished just under 3840 and under the 50-day moving average. Santa has either taken the year off or is extremely late this year, but stocks finished 2022 with one of their worst performances. Buyers have defended 3800, we'll see if that continues into January.

Equities - Breadth Thrusts

I've added an add'l section of the breadth thrust composite chart, titled Primary Long-Term Thrusts. These are the handful of thrusts that are in the original composite that have the best track record and only have the highest bar to clear to signal. The original composite is still what 'feeds' the breadth category of the Maestro Model.

Thrust count sits at +1.



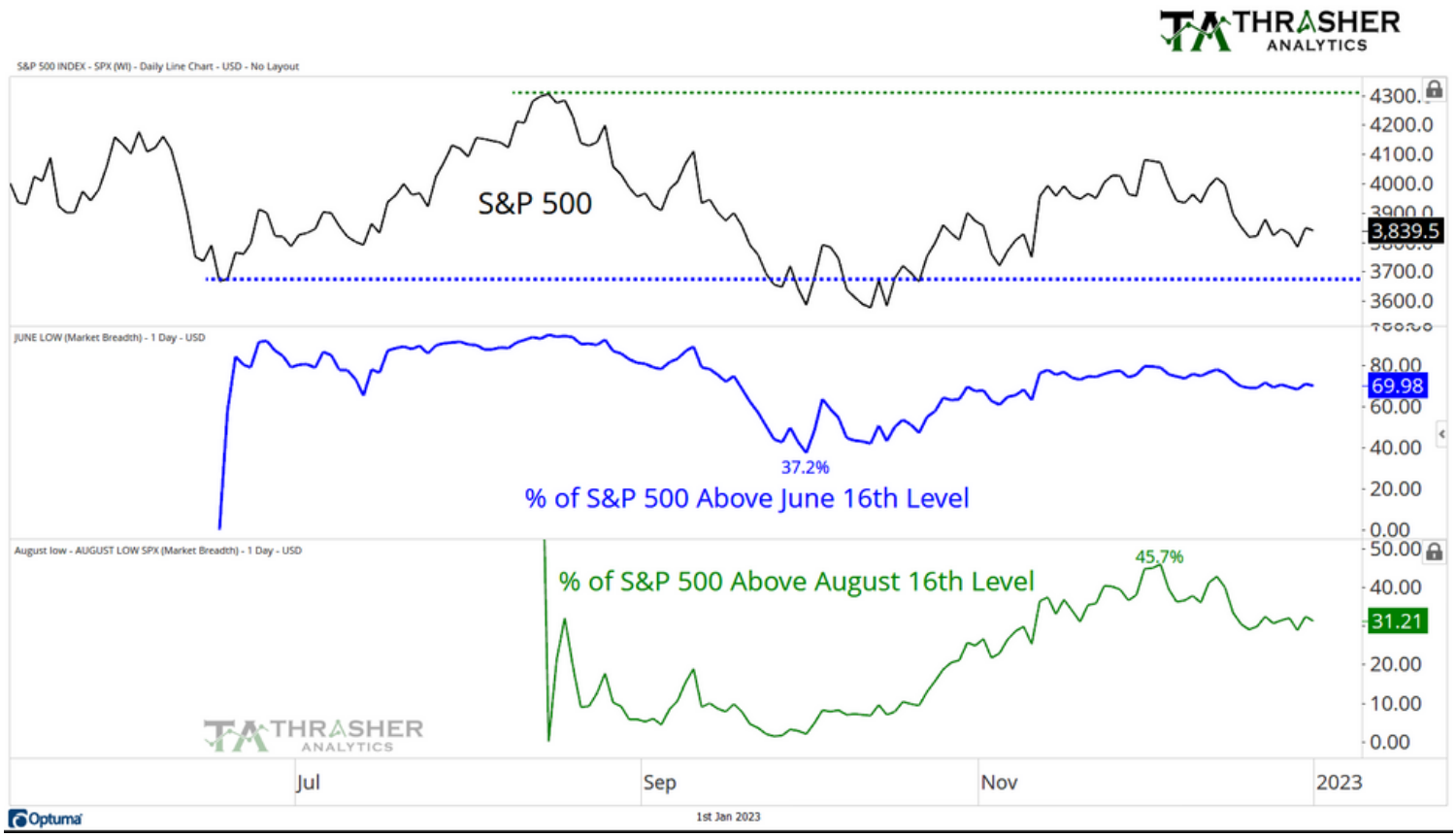
Equities - Breadth

Below is a table showing the changes in breadth data over the last 35 days. This provides insight into whether bullish or bearish data is improving or declining.

	35 Days Ago	30 Days Ago	25 Days Ago	20 Days Ago	15 Days Ago	10 Days Ago	5 Days Ago	Current
	Moving Average Data							
S&P 500 % above 200-day MA	34.6	52.5	53.7	56.1	57.1	57.9	44.9	49.7
Nasdaq 100 % above 200-day MA	25.5	45.1	46.1	43.1	46.1	52.9	39.6	41.6
S&P 500 % above 50-day MA	57.5	81.5	82.5	85.3	82.3	80.1	48.9	53.7
Nasdaq 100 % above 50-day MA	45.1	79.4	75.5	76.5	78.4	72.5	48.5	35.6
S&P 500 % above 20-day MA	74.8	86.7	82.9	75.9	64.4	57.9	9.3	30.2
Nasdaq 100 % above 20-day MA	60.8	90.2	79.4	69.6	67.6	57.8	11.9	13.9
	Bullish Data							
S&P 500 % RSI(14) > 70	7.8	17.3	5.4	2.6	3.6	1.8	0.2	1.0
Nasdaq 100 % RSI(14) > 70	2.9	16.7	7.8	3.9	6.9	2.0	0.0	0.0
S&P 400 % New 52 week highs	4.1	5.3	2.5	1.0	0.5	0.3	0.0	0.3
S&P 600 % New 52 week highs	2.0	3.9	3.4	0.7	1.0	0.5	0.2	1.0
S&P 500 % New 52 week highs	3.8	4.8	1.6	2.0	1.4	0.4	0.8	1.6
Nasdaq 100 % New 52 week highs	2.9	1.0	1.0	3.9	2.9	0.0	0.0	0.0
S&P 500 % New 6 month highs	6.4	15.9	4.2	3.4	3.6	1.6	0.8	2.4
Nasdaq 100 % New 6 month highs	5.9	8.8	2.9	5.9	4.9	1.0	0.0	1.0
	Bearish Data							
S&P 500 % RSI(14) < 30	2.4	0.0	0.2	0.0	0.2	0.2	3.2	1.4
Nasdaq 100 % RSI(14) < 30	7.8	0.0	0.0	0.0	0.0	1.0	5.9	6.9
S&P 400 % New 52 week lows	3.3	0.3	0.5	0.8	0.3	0.3	3.0	0.5
S&P 600 % New 52 week lows	4.9	0.2	0.5	1.0	1.4	1.4	4.3	2.0
S&P 500 % New 52 week lows	4.8	0.0	0.4	0.4	0.8	0.2	3.6	0.4
Nasdaq 100 % New 52 week lows	8.8	0.0	0.0	1.0	1.0	1.0	5.9	5.9
S&P 500 % New 6 month lows	5.0	0.0	0.4	0.4	0.8	0.4	4.4	0.6
Nasdaq 100 % New 6 month lows	9.8	0.0	0.0	2.0	1.0	1.0	8.9	5.9

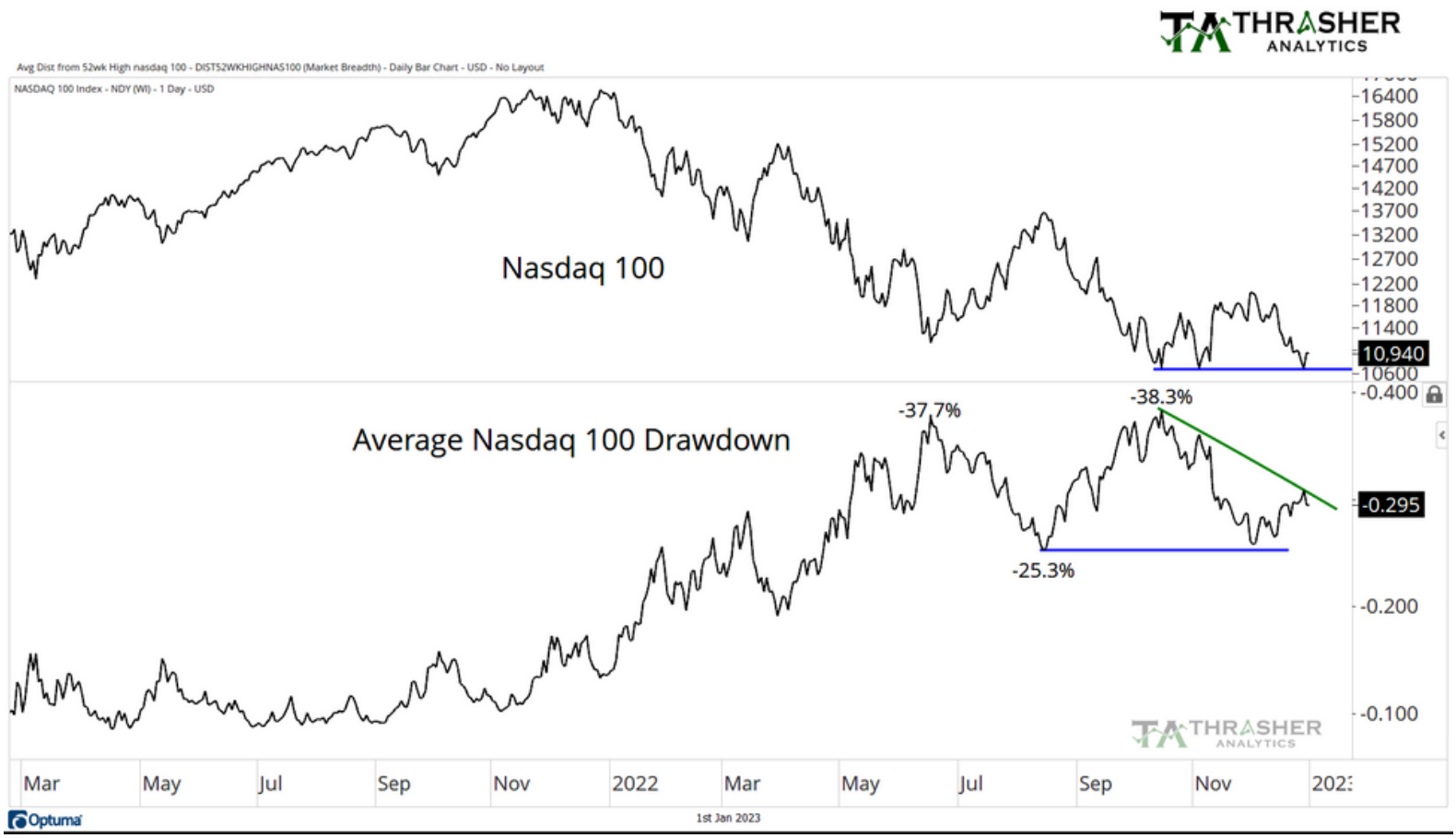
Equities -Above Key Levels

Below is a chart that shows the percent of S&P 500 stocks that are above their respective June 16th level or August 16th level. These two dates were they key bottom in the summer and the latest swing high in August. While the S&P 500 is less than 5% above the June 16th level, nearly 70% of stocks are still holding above their own. This is a good sign that we aren't seeing a major breakdown of stocks making lower lows under that summer level. We'll see if that continues to hold should the index continue to decline but as of right now, stocks appear to be holding up okay.



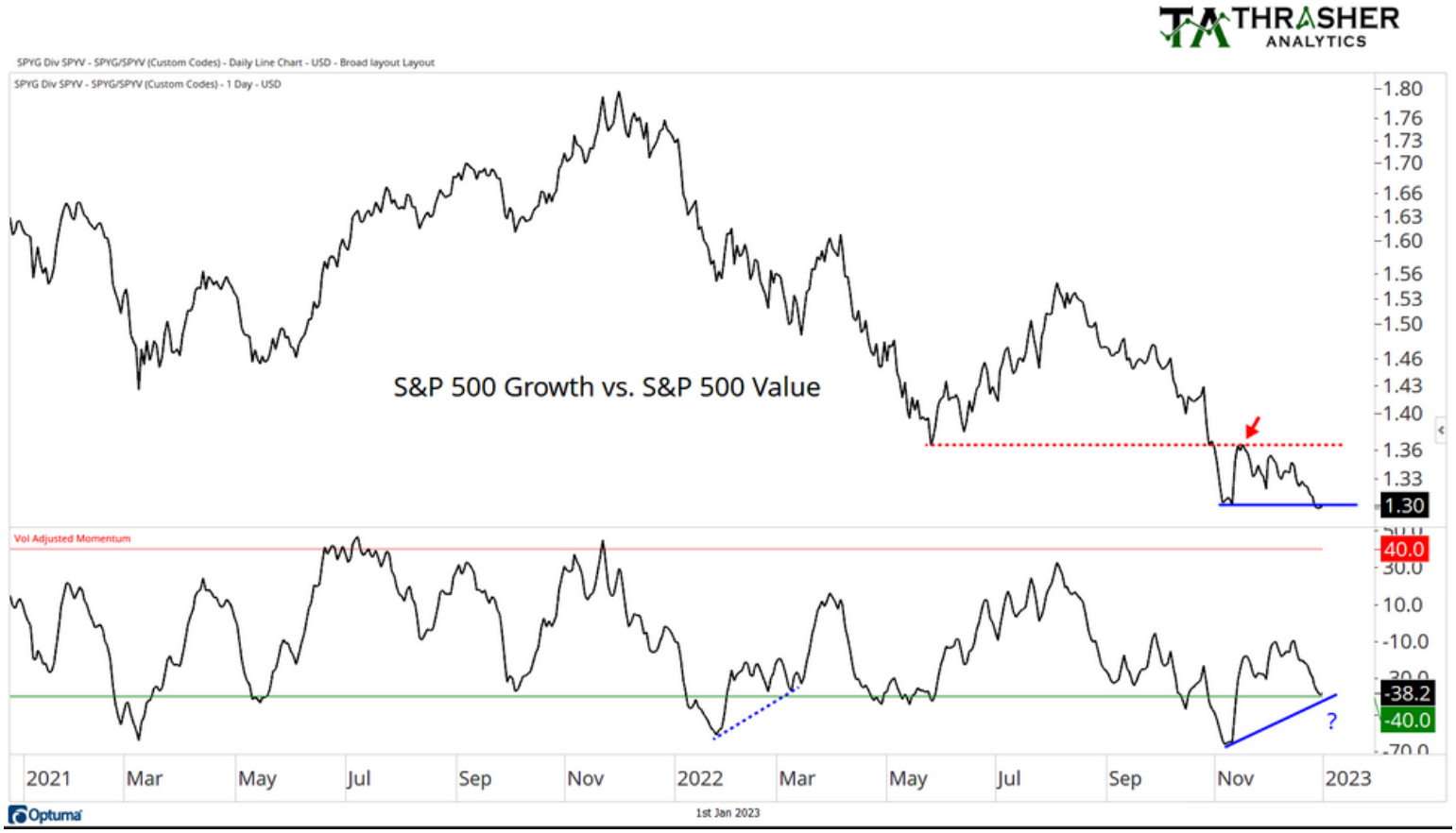
Equities - Nasdaq Drawdown

The Nasdaq 100 has fallen back to its prior low, but the drawdown data has greatly improved. The last time the Nasdaq was at this price level the average stock was down over -38%. As of Friday, the average drawdown was "just" -29.5%. This is still a big number but at least it's not as bad as -38%. This suggests that stocks are holding up better than the index is suggesting.



Equity - Growth vs. Value

With interest rates rising again at the end of the year, growth stocks have taken another punch and the ratio of Growth to Value has fallen just under its prior low. This is taking place after the latest strength in the ratio failed to break above the May low. Turning the focus to momentum, the Volatility Adjusted Momentum indicator is at -38 after being near -70 in November. This potential bullish momentum divergence may signal a failed break down in the ratio, which would favor a possible bounce in growth stocks.



Equities - Mega Cap Growth

Sticking with our focus on growth stocks. What's been one of the most hated corners of the equity market this year? Mega cap stocks and specifically mega cap growth stocks. This makes the chart below that much more interesting. sentiment towards mega cap growth has been awful and understandably so, as the stocks have gotten slaughtered with some still down -50% or more. However, the MGK ETF, similar to the Growth vs. Value ratio referenced on the prior page, has fallen to its November low and has a bullish momentum divergence. But we also have a divergence in the sentiment data. Shown on the middle panel is the Factor Sentiment Score for MGK, this compares the Factor ETF against a large group of other equity factors to produce a sentiment score similar to the sentiment scores for sectors shared in each week's letter. Here we can see once again that sentiment for mega cap growth stocks is extremely low, having dropped under 0.1 but it is still making a higher-low relative to the level breached in November.

If equities were to stage a January rally, mega cap growth could see at least a bounce from here. But if it starts breaking back below that November level, then sellers may not be finished with these stocks and more bled gets shed from the growth factor to start 2023.

Equities - Sentiment

Below is a composite of the sector sentiment scores, grouped by Defense or Offense. This shows which sectors are seeing stronger sentiment. When the spread is below zero, Defensive sectors have a stronger collective sentiment score and when above zero, Offense sectors have better sentiment.

Currently, the trend has been moving lower as Defensive sectors and their sentiment score of 47 outpaces Offense sector sentiment of 34.6. Divergences can be insightful when they develop, as well as when the spread is above -1 as the market makes a new 1-month low (shown by the green arrows).

Equities - Industry Performance

Here's a look at the worst and best performing large cap industries for 2022. The top of each column is not likely a big surprise with energy and oil/gas stocks leading the group and cars and internet retailers at the bottom.

THRASHER ANALYTICS

Daily - S&P 500 Industries - No Layout

Industry	3mo Perf	12mo Perf
S&P 500 Automobiles Index	-46.978%	-62.163%
S&P 500 Internet & Catalog Retail Index	-24.361%	-49.837%
S&P 500 Interactive Media & Services Index Industry	-7.957%	-47.189%
S&P 500 Leisure Products Index Industry	-9.493%	-39.604%
S&P 500 Semiconductors & Semiconductor Equipment Index Industry	12.176%	-37.094%
S&P 500 Auto Components Index	21.441%	-36.522%
S&P 500 Textiles Apparel & Luxury Goods Index	36.13%	-32.695%
S&P 500 Personal Products Index Industry	14.919%	-32.458%
S&P 500 Media Index Industry	16.36%	-32.064%
S&P 500 Software Index	4.496%	-30.986%
S&P 500 Real Estate Management & Development Index Industry	13.996%	-29.075%
S&P 500 Equity Real Estate Investment Trusts REITs Index Industry	2.553%	-28.264%
S&P 500 Technology Hardware Storage & Peripherals Index Industry	-5.501%	-27.356%
S&P 500 Household Durables Index	18.937%	-25.782%
S&P 500 Electronic Equipment, Instruments & Components Idx	8.618%	-24.105%
S&P 500 Life Sciences Tools and Services Index Industry	9.366%	-23.08%
S&P 500 Building Products Index Industry	18.971%	-23.016%
S&P 500 Containers & Packaging Index	10.566%	-22.962%
S&P 500 Health Care Equipment & Supplies Index	14.127%	-22.556%
S&P 500 Air Freight & Logistics Index Industry	9.383%	-22.201%
S&P 500 Communications Equipment Index Industry	16.606%	-21.965%
S&P 500 Banks Index	10.393%	-21.627%
S&P 500 Consumer Finance Index Industry	7.862%	-20.111%
S&P 500 IT Services Index	9.222%	-19.882%
S&P 500 INDEX	7.08%	-19.65%
S&P 500 Airlines Index Industry	12.338%	-19.318%
S&P 500 Construction Materials Index Industry	8.05%	-19.074%
S&P 500 Multiline Retail Index	1.893%	-18.982%
S&P 500 Water Utilities Index Industry	17.106%	-18.937%

Daily - S&P 500 Industries - No Layout

Industry	3mo Perf	12mo Perf
S&P 500 Energy Equipment & Services Index	49.709%	62.741%
S&P 500 Oil Gas & Consumable Fuels Index	19.644%	59.101%
S&P 500 Construction & Engineering Index Industry	11.861%	26.296%
S&P 500 Health Care Technology Index Industry	0%	25.407%
S&P 500 Independent Power&Renewable Electricity Producers Id Indust	27.257%	18.99%
S&P 500 Aerospace & Defense Index Industry	24.48%	15.709%
S&P 500 Biotechnology Index Industry	18.785%	12.2%
S&P 500 Food Products Index	13.402%	10.776%
S&P 500 Insurance Index Industry	16.071%	8.192%
S&P 500 Health Care Providers & Services Index	8.521%	6.486%
S&P 500 Pharmaceuticals Index Industry	12.425%	5.571%
S&P 500 Beverages Index	10.591%	4.816%
S&P 500 Tobacco Index Industry	18.778%	3.44%
S&P 500 Diversified Financial Services Index	15.684%	2.972%
S&P 500 Machinery Index	25.108%	0.047%
S&P 500 Electric Utilities Index Industry	9.105%	-0.395%
S&P 500 Multi-Utilities Index Industry	3.001%	-2.238%
S&P 500 Commercial Services and Supplies Index Industry	4.257%	-5.775%
S&P 500 Trading Companies & Distributors Index Industry	14.427%	-7.354%
S&P 500 Household Products Index Industry	18.341%	-7.673%
S&P 500 Metal & Mining Index	24.971%	-9.118%
S&P 500 Industrial Conglomerates Index Industry	25.289%	-10.063%
S&P 500 Food and Staples Retailing Index Industry	3.737%	-10.899%
S&P 500 Distributors Index Industry	9.601%	-12.167%
S&P 500 Index Chemicals Industry	13.573%	-12.619%
S&P 500 Electrical Equipment Index	18.214%	-14.423%
S&P 500 Specialty Retail Index	15.914%	-14.731%
S&P 500 Hotels Restaurants & Leisure Index	13.546%	-15.677%
S&P 500 Professional Services Index Industry	9.427%	-16.467%

1st Jan 2023

Sector Performance

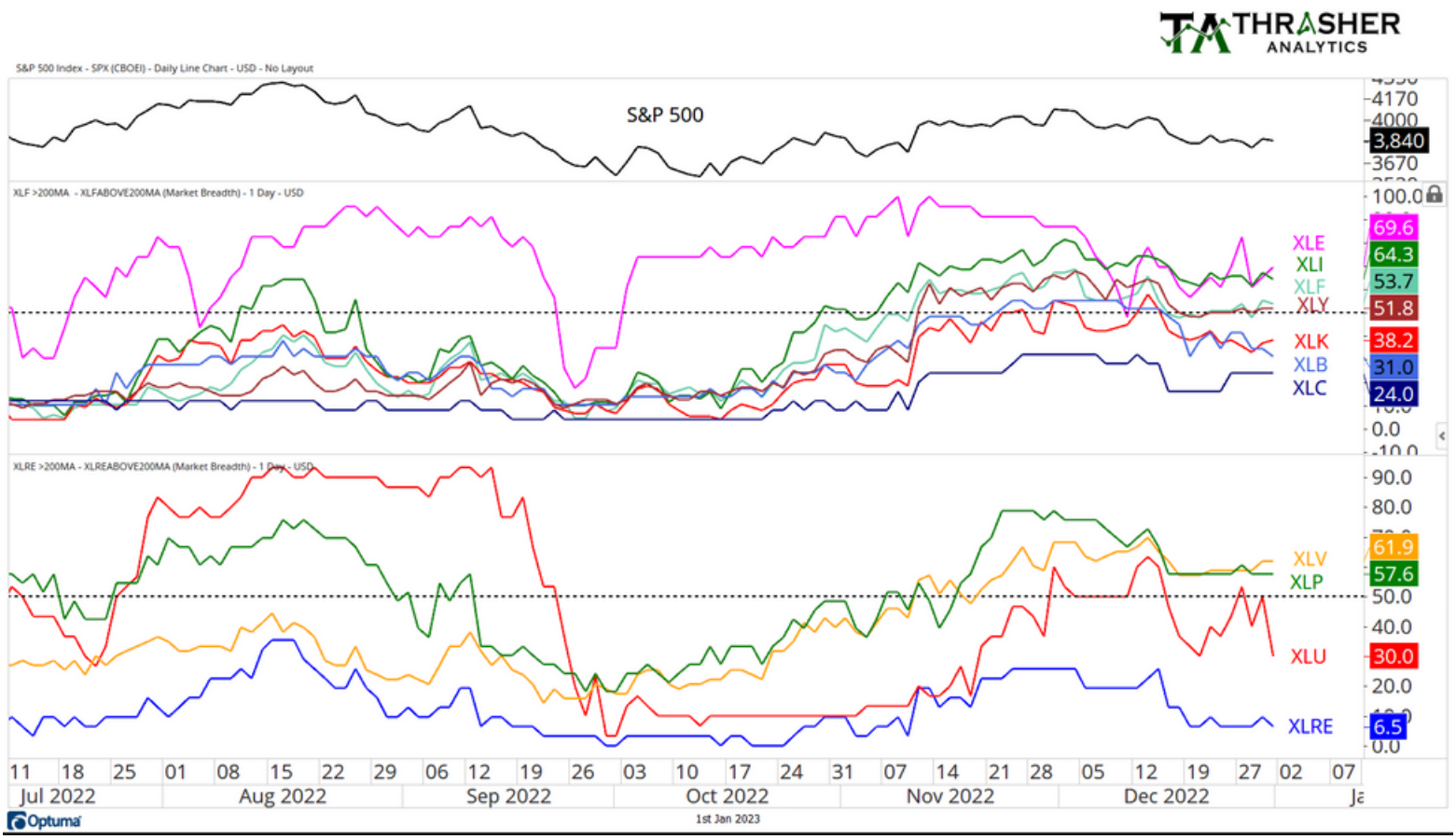
THRASHER ANALYTICS

Daily - Performance - No Layout

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: 1.02%					AVG: 19.83%	AVG: 10.20%		AVG: -1.87%	
DJI	Dow Jones Industrial Average	-8.78%	13.23%	-0.17%	-4.17%	15.39%	7.71%	10.30%	15.65%	-0.87%	-0.11%	2.15%
MID	S&P Midcap 400 Index	-14.48%	6.16%	-0.20%	-5.72%	10.29%	7.12%	15.53%	11.18%	-1.12%	-1.10%	-0.97%
SPX	S&P 500 INDEX	-19.44%	0.00%	-0.14%	-5.90%	7.08%	1.43%	20.32%	9.96%	-1.66%	-1.51%	-4.21%
SML	S&P SmallCap 600 Index	-17.42%	2.51%	-0.27%	-6.89%	8.69%	2.62%	19.24%	9.42%	-1.68%	-2.53%	-3.34%
NDY	NASDAQ 100 Index	-32.97%	-16.79%	-0.42%	-9.06%	-0.29%	-4.90%	33.75%	4.78%	-3.46%	-4.09%	-11.00%
– Sectors			AVG: 10.95%					AVG: 19.11%	AVG: 16.63%		AVG: -1.09%	
XLU	SPDR Utilities Select Sector Fund ETF	-1.51%	22.26%	-0.58%	-1.30%	7.62%	0.53%	9.87%	16.82%	-0.71%	2.33%	-1.10%
XLV	SPDR Health Care Select Sector Fund ETF	-3.58%	19.69%	-0.18%	-2.28%	12.17%	5.93%	5.28%	14.40%	-1.00%	0.91%	3.62%
XLP	SPDR Consumer Staples Select Sector Fund ETF	-3.32%	20.01%	-0.84%	-3.42%	11.72%	3.28%	8.35%	12.66%	-1.29%	0.56%	1.03%
XLI	SPDR Industrial Select Sector Fund ETF	-7.18%	15.22%	-0.18%	-3.45%	18.55%	12.45%	8.96%	18.68%	-0.93%	0.71%	4.08%
XLE	SPDR Energy Select Sector Fund ETF	57.60%	95.64%	0.47%	-4.04%	21.45%	22.32%	7.64%	57.46%	1.87%	-1.34%	8.39%
XLF	SPDR Financial Select Sector Fund ETF	-12.42%	8.72%	0.74%	-5.81%	12.65%	8.74%	17.98%	15.58%	-0.40%	-0.75%	0.31%
XLRE	SPDR Real Estate Select Sector Fund ETF	-28.72%	-11.52%	-0.40%	-5.89%	2.55%	-9.62%	28.95%	11.49%	-2.18%	-1.19%	-10.93%
XLB	SPDR Materials Select Sector Fund ETF	-14.27%	6.42%	-1.07%	-6.13%	14.22%	5.54%	15.84%	16.20%	-2.83%	-1.05%	-1.70%
XLC	SPDR Communication Services Select Sector ETF	-38.22%	-23.31%	0.40%	-6.83%	0.21%	-11.57%	39.04%	6.98%	-1.49%	-1.93%	-13.50%
XLK	SPDR Technology Select Sector Fund ETF	-28.43%	-11.16%	-0.13%	-8.47%	4.77%	-2.11%	29.30%	10.15%	-3.26%	-3.18%	-8.18%
XLY	SPDR Consumer Discretionary Select Sector Fund	-36.82%	-21.57%	-0.21%	-11.64%	-9.33%	-6.05%	39.02%	2.51%	-4.24%	-7.00%	-15.57%

Sector - Breadth 200-MA

Energy remains the strongest sector based on % of stocks above the 200-day MA.



Fund Flows

Not many would have guessed that Health Care would have seen the biggest inflow in 2022 while energy finished the year with a net YTD outflow.

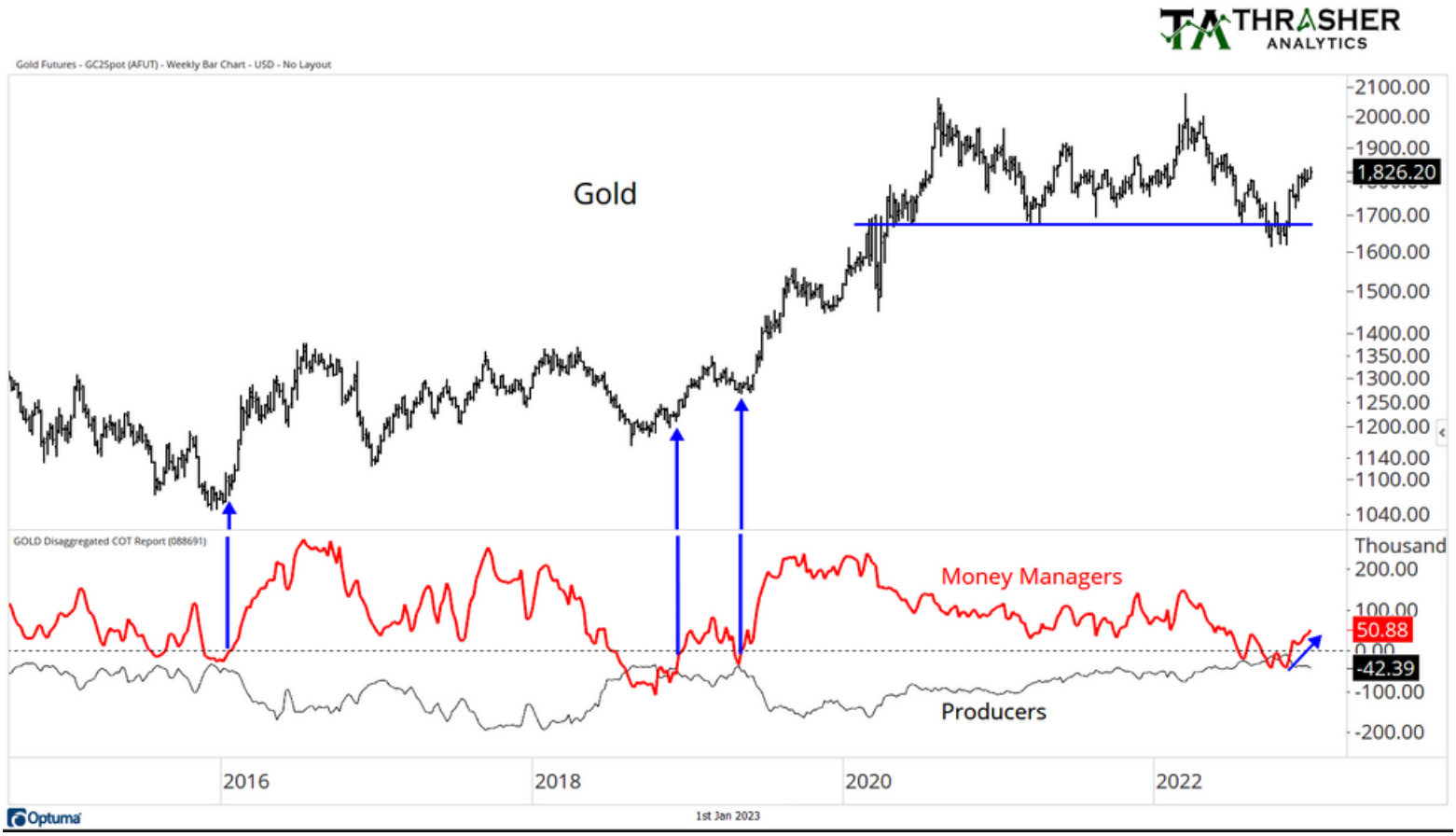
THRASHER ANALYTICS

Daily - ETF Flows - Fund Flows Layout

Name	Ticker	Net Flows YTD	Net Flows 3 Month	Net Flows 1 Month	1 Month Flow % of AUM
– Bond ETFs					
iShares 7-10 Year Treasury Bond ETF	IEF	8,796,741,880	1,583,670,966	1,357,809,510	5.90%
iShares 10-20 Year Treasury Bond ETF	TLH	5,386,458,323	1,565,661,344	257,127,689	4.24%
iShares 20+ Year Treasury Bond ETF	TLT	15,232,692,542	3,184,028,619	398,299,105	1.48%
iShares 3-7 Year Treasury Bond ETF	IEI	2,647,651,797	-70,333,112	-116,478,684	-0.99%
iShares iBoxx $ Investment Grade Corporate Bond ETF	LQD	4,134,321,379	4,000,988,549	-545,276,951	-1.54%
iShares 1-3 Year Treasury Bond ETF	SHY	8,133,403,883	-500,480,054	-1,123,059,505	-4.08%
iShares TIPS Bond ETF	TIP	-9,635,425,908	-3,828,067,701	-1,429,091,474	-6.19%
– SPDR Equity ETFs					
SPDR Consumer Staples Select Sector Fund ETF	XLP	4,672,895,221	1,209,290,895	347,288,915	1.99%
SPDR Real Estate Select Sector Fund ETF	XLRE	586,122,433	210,878,224	55,013,299	1.11%
SPDR Health Care Select Sector Fund ETF	XLV	7,699,785,779	1,712,339,432	186,366,488	0.44%
SPDR Utilities Select Sector Fund ETF	XLU	3,774,225,735	-717,566,423	-85,805,591	-0.52%
SPDR Technology Select Sector Fund ETF	XLK	1,013,661,293	1,089,999,290	-252,603,645	-0.66%
SPDR S&P 500 ETF	SPY	-12,666,440,868	8,259,352,644	-4,053,819,415	-1.13%
SPDR Materials Select Sector Fund ETF	XLB	-1,608,820,368	-110,011,625	-80,655,062	-1.52%
SPDR Consumer Discretionary Select Sector Fund ETF	XLY	-2,575,708,258	-346,292,545	-196,188,690	-1.55%
SPDR Industrial Select Sector Fund ETF	XLI	-2,549,338,867	251,045,044	-232,997,035	-1.72%
SPDR Financial Select Sector Fund ETF	XLF	-7,230,112,239	547,497,698	-574,883,044	-1.83%
SPDR Energy Select Sector Fund ETF	XLE	-1,054,269,854	-167,345,521	-1,061,001,802	-2.61%
SPDR Communication Services Select Sector ETF	XLC	-1,322,442,480	315,366,343	-223,122,191	-2.83%

Commodity - Gold

I've been discussing the setup in gold COT data for what feels like months now. I had been focusing on the net-short in Money Managers that has historically led to strong price action in gold prices when that short comes off. The trader group has been working off that net-short and moving further net-long in recent weeks. Gold prices have risen steadily off prior support following a failed break under $1700.



Daily Sentiment Index

Daily - Watch List - No Layout

Code	% Bullish	5-day MA	History
Bitcoin DSI	15	12	
VIX DSI	17	20	
Nasdaq DSI	17	17	
10Y DSI	18	22	
Nikkei DSI	20	23	
SPX DSI	21	21	
Natural Gas DSI	23	25	
5YR DSI	24	27	
Lumber DSI	25	29	
Palladium DSI	26	26	
US Dollar DSI	32	37	
Swiss Franc DSI	32	32	
Coffee DSI	35	40	
EuroDollar DSI	36	38	
Wheat DSI	38	35	
Corn DSI	41	40	
British Pound DSI	46	48	
CRB Index DSI	48	47	
Cotton DSI	50	52	

Daily - Watch List - No Layout

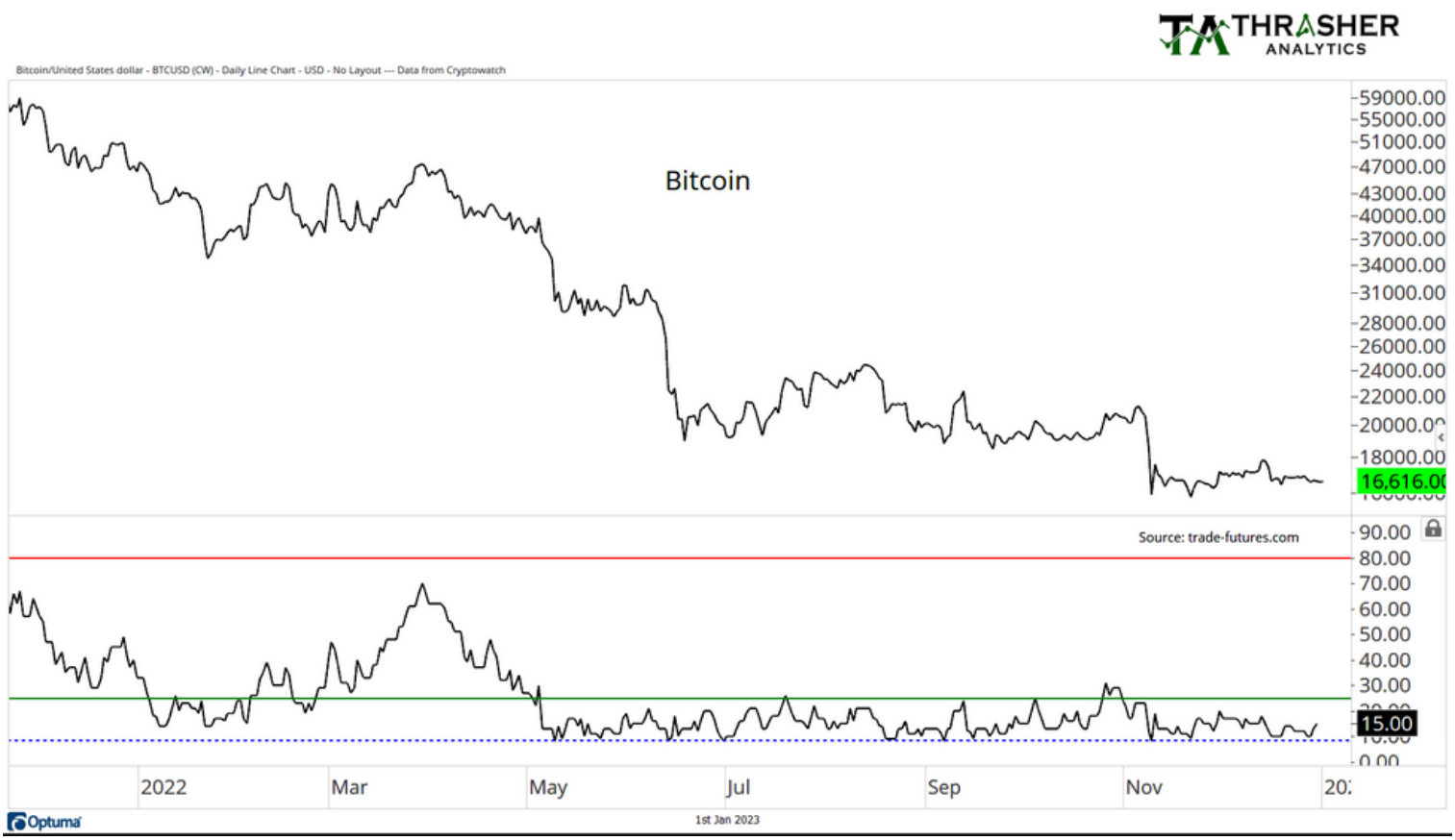
Code	% Bullish	5-day MA	History
Orange Juice DSI	52	53	
Crude Oil DSI	53	52	
Australian Dollar DSI	53	46	
Lean Hog DSI	55	64	
Heating Oil DSI	55	54	
Sugar DSI	59	66	
Yen DSI	60	54	
Gasoline DSI	60	53	
Cocoa DSI	62	66	
Copper DSI	63	65	
Euro DSI	69	63	
Gold DSI	72	69	
New Zealand Dollar DSI	74	69	
Mexican Peso DSI	74	79	
Silver DSI	75	76	
Platinum DSI	76	68	
Soybean DSI	77	74	
Cattle DSI	77	81	

Type Code or Name to add an item to the watchlist

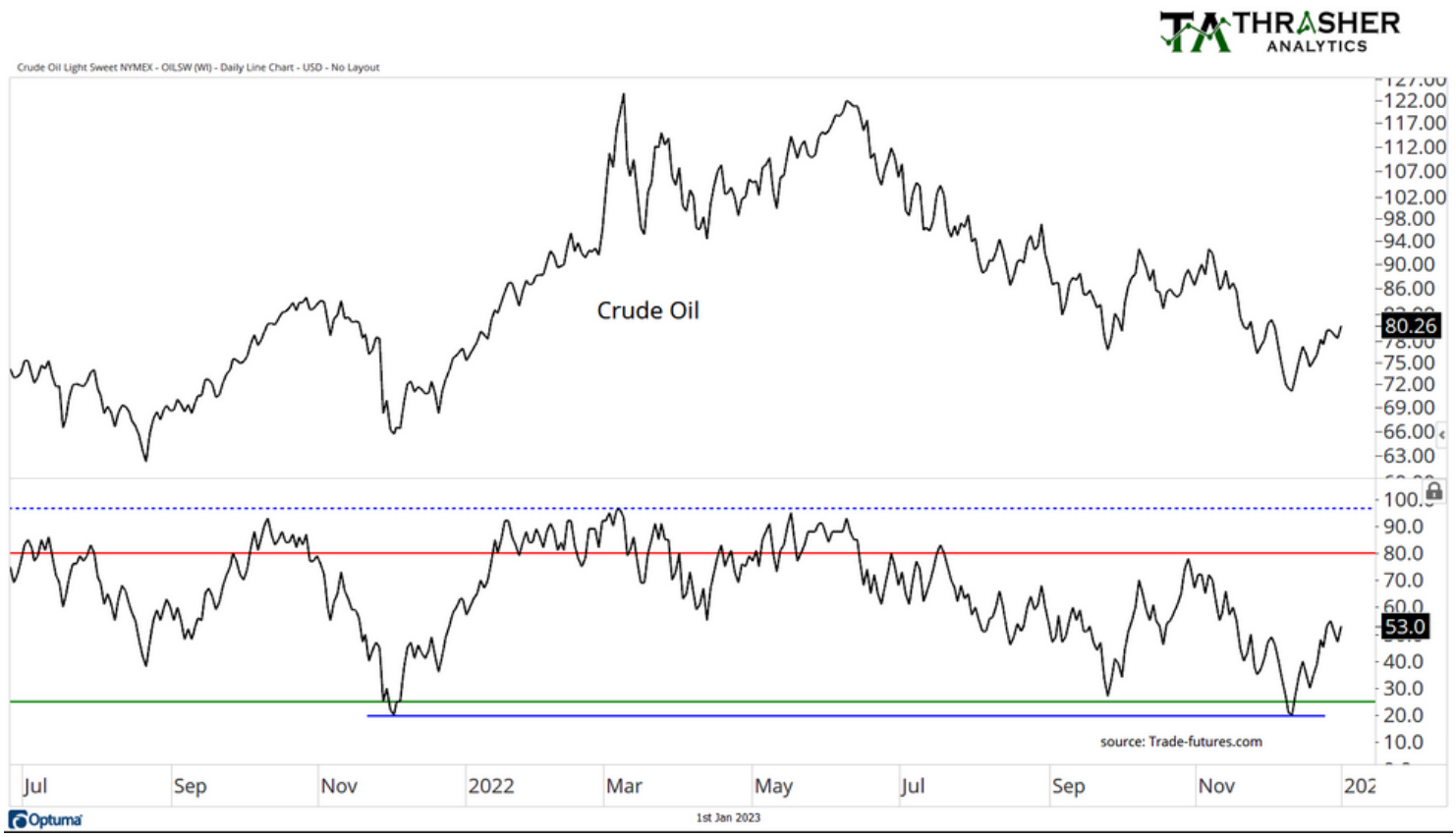
Source: trade-futures.com

Daily Sentiment Index

Daily Sentiment Index



Daily Sentiment Index

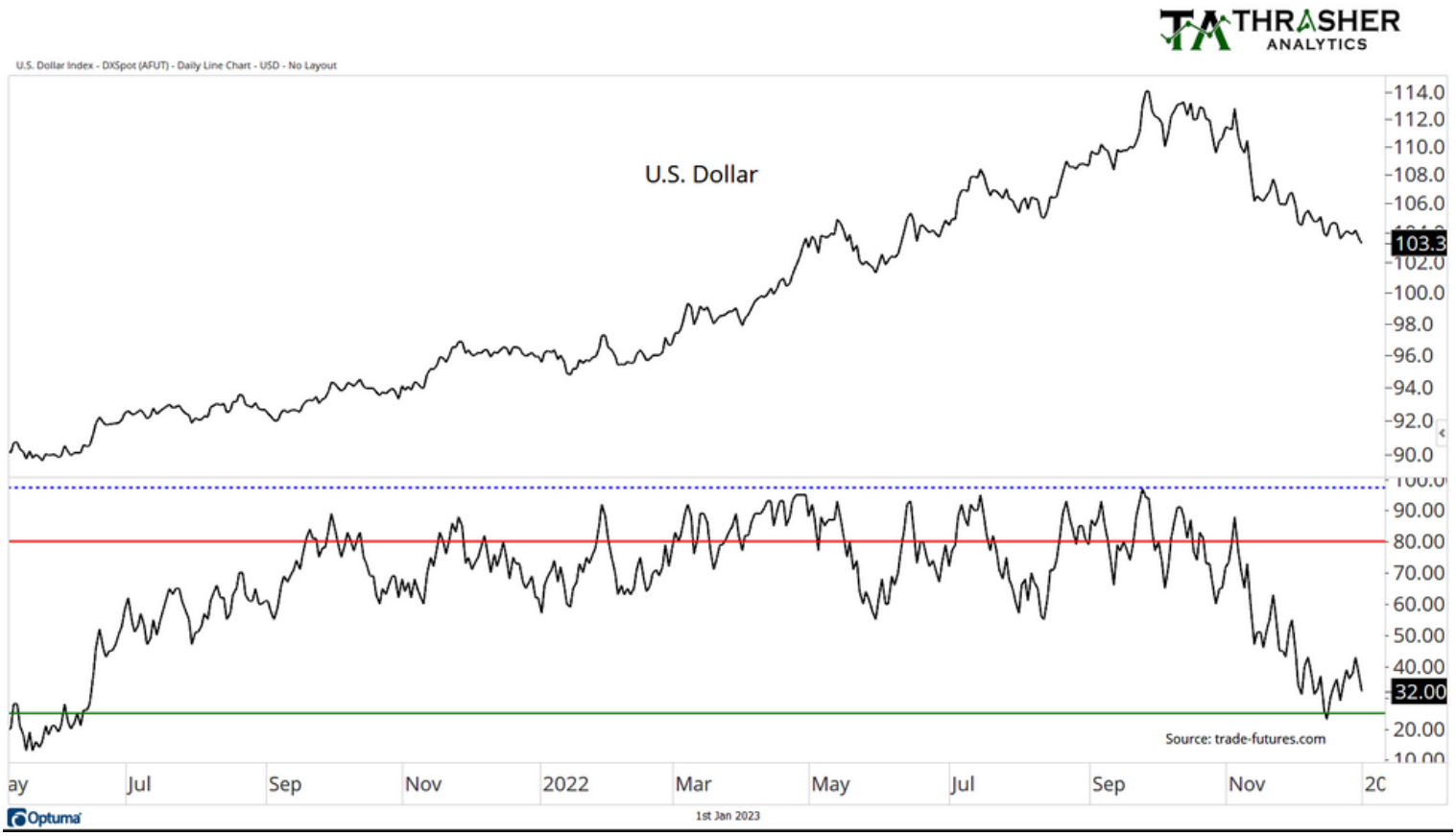


Daily Sentiment Index

Daily Sentiment Index

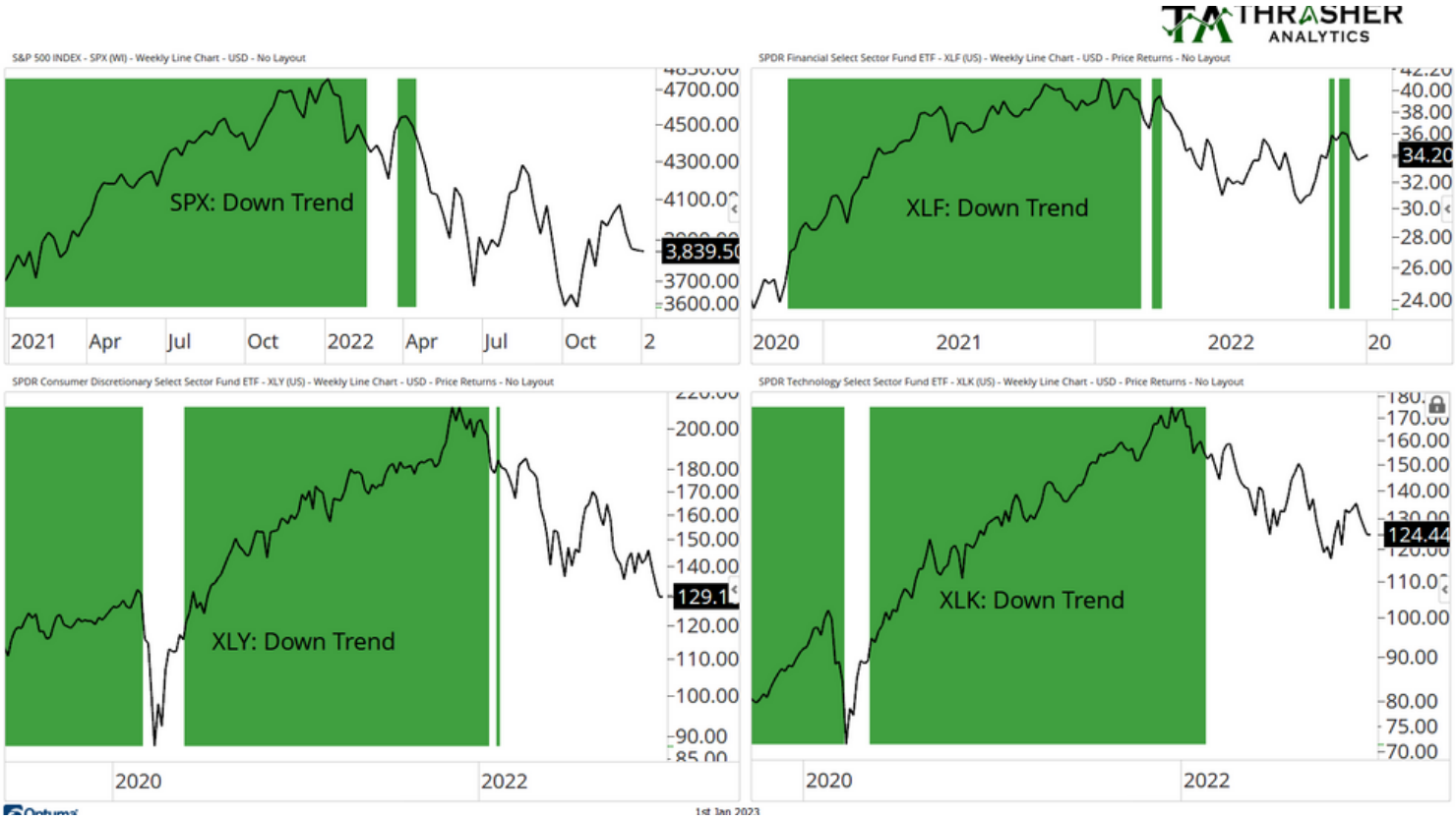
Daily Sentiment Index

Daily Sentiment Index

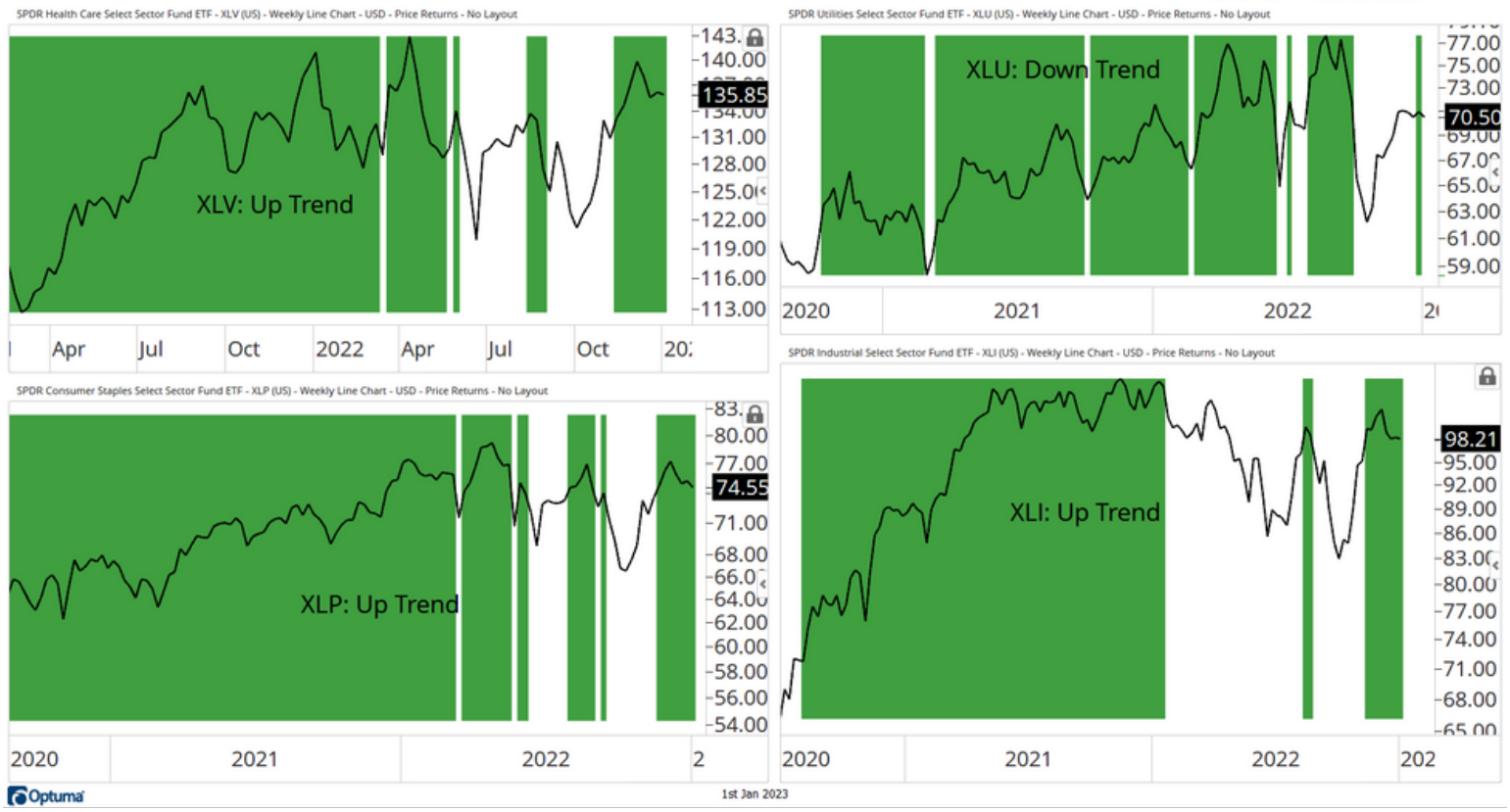


Daily Sentiment Index

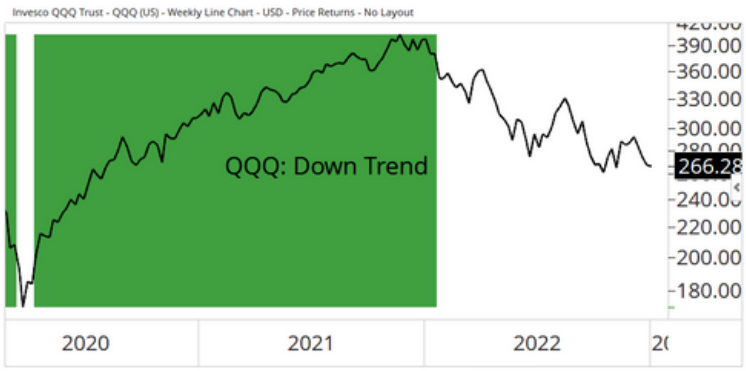
Trend Models

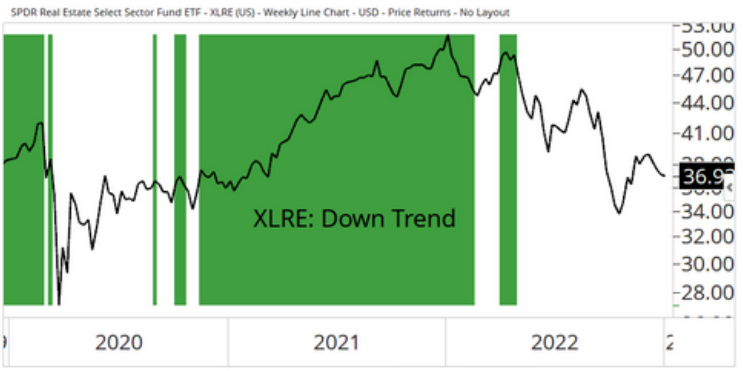


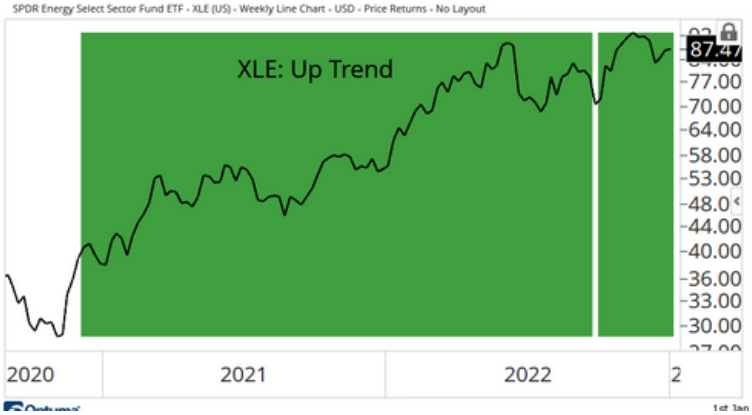
Trend Models

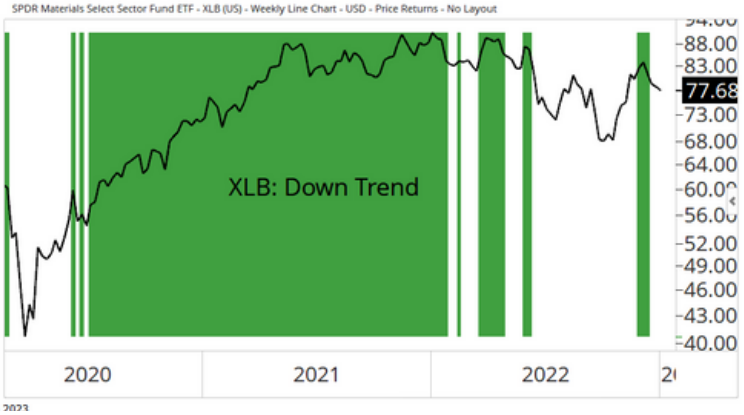


Trend Models









DISCLAIMER:

No reproduction, transmission, or distribution permitted without consent of Thrasher Analytics LLC ("Thrasher Analytics"). The material contained herein is the sole opinion of Thrasher Analytics. This research has been prepared using information sourced believed to be reliable. Such information has not been independently verified and no guarantee, representation or warranty, express or implied, is made as to its accuracy completeness or correctness. It is intended for the sole use by the receipt to whom it has been delivered to by Thrasher Analytics. The delivery of this report to any person shall not be deemed a recommendation by Thrasher Analytics to effect any transaction in any securities discussed herein. For more information please refer to our Terms & Service page of our website: http://thrasheranalytics.com/terms-of-service-agreement.