

- What is hot and what is not. TPA-RRG captures the inevitable movement of stocks into and out of favor.
- Scores and ranking

Clients can quickly see which stocks are showing the best and worst relative

strength characteristics. TPA found that using RRG's was very beneficial, but took some time to parse through, so we simplified the process by creating a score for each stock and sector.

The best of both worlds – RRG & TPA
Now, clients can use <u>TPA-RRG scores and rankings</u> to identify stocks that are not only moving into favor, but are also technically positive.



• TPA-RRG analyzes every stock in the Russell 1000 and 25 major sector & subsector ETFs

Find links to more information and instructional videos below.

THE REPORT

TPA-RRG Weekly Commentary



See the tables below.

Sectors

The sector RRG hints at the idea that it may be time to step back and see what happens. Why? Because the ETF RRG shows a notable lack of ETFs in the areas that TPA considers the action zone. TPA-RRG looks for BUYS in the area of the RRG where the stock or sectors has moved out of the Lagging quadrant and through the Improving quadrant and SELLS in the area of the RRG where stocks and ETF have moved out of the Leading quadrant and through the Declining quadrant. The RRG below shows that the normal BUY and SELL areas of the RRG are almost empty.

The wait-and-see period does not mean that TPA is less long-term bullish on stocks. Wait and see means that after a massive stock rally and recent stock selloff, the leadership and laggards are not clear at this time. It may take a week or two for the strong and weak areas of the market to become apparent.

This week's sector and subsector RRG



Market



TPA-RRG TOP 20 & BOTTOM 20 (table below)

Buy	Prices as of	6/23/23						<i>STOCK</i>	SECTOR	TOTAL
Sell				TOP 20				TPA-RRG	TPA-RRG	TPA-RRG
<u>Code</u>	Name	Last	RRG Ratio	RRG Momentum	<u>Quadrant</u>	Mkt Cap (\$MIL)	TPA Sector	<u>SCORE</u>	<u>SCORE</u>	<u>SCORE</u>
MTZ	Mastec Inc.	110.54	100.79	102.21	Leading	\$8,717	Industrial	6.46	0.53	6.99
SPGI	S&P Global Inc	390.36	100.00	101.59	Leading	\$125,228	Financial	5.13	1.54	6.67
zs	Zscaler Inc	142.70	100.05	109.83	Leading	\$20,819	Tech-Software	4.71	1.50	6.20
РТС	PTC Inc	140.86	100.26	101.37	Leading	\$16,671	Technology	4.57	1.49	6.06
UPST	Upstart Holdings Inc	30.12	120.49	121.56	Leading	\$2,490	Financial	4.28	1.54	5.82
DDOG	Datadog Inc	93.67	108.00	109.28	Leading	\$30,139	Tech-Software	4.32	1.50	5.82
EQT	EQT Corp	39.18	100.90	107.36	Leading	\$14,169	Oil & Gas E&P	4.58	0.97	5.55
COHR	Coherent Corp	46.71	93.95	103.27	Improving	\$6,510	Technology	3.80	1.49	5.30
U	Unity Software Inc	37.47	95.58	103.94	Improving	\$14,188	Technology	3.78	1.49	5.27
MKSI	MKS Instruments Inc.	101.19	97.37	101.31	Improving	\$6,756	Technology	3.76	1.49	5.26
OMF	OneMain Holdings Inc	41.67	97.13	101.72	Improving	\$5,025	Financial	3.54	1.54	5.08
CTAS	Cintas Corporation	482.59	100.17	100.30	Leading	\$49,080	Industrial	4.54	0.53	5.07
GNRC	Generac Holdings Inc	129.07	99.20	101.88	Improving	\$8,027	Industrial	4.48	0.53	5.01
EXPE	Expedia Group Inc	104.79	95.52	101.68	Improving	\$15,522	Consumer Discretionary	3.44	1.53	4.98
NTAP	Netapp Inc	73.21	99.90	103.38	Improving	\$15,552	Technology	3.48	1.49	4.97
F	Ford Motor Co.	14.02	96.70	102.63	Improving	\$56,091	Consumer Discretionary	3.44	1.53	4.97
HTZ	Hertz Global Holdings Inc Ordinary	17.45	94.96	101.59	Improving	\$2,480	Consumer Discretionary	3.41	1.53	4.94
TTEK	Tetra Tech Inc.	158.92	97.44	101.76	Improving	\$8,459	Technology	3.43	1.49	4.92
MAS	Masco Corp.	55.26	99.46	101.17	Improving	\$12,438	Industrial	4.38	0.53	4.92
BILL	BILL Holdings Inc	108.19	98.67	115.31	Improving	\$11,497	Tech-Software	3.40	1.50	4.90

Buy	Prices as of	6/23/23						<i>STOCK</i>	SECTOR	TOTAL
Sell			В	оттом	20			TPA-RRG	TPA-RRG	TPA-RRG
CERT	Certara Inc	17.51	100.65	88.27	Weakening	\$2,799	Health Care	-2.40	-0.97	-3.37
ZTS	Zoetis Inc	168.37	101.50	97.55	Weakening	\$77,806	Agribusiness	-2.43	-1.01	-3.44
INGR	Ingredion Inc	104.14	101.01	99.26	Weakening	\$6,875	Consumer Staples	-2.46	-0.99	-3.45
KR	Kroger Co.	46.14	98.58	98.21	Lagging	\$33,112	Consumer Staples	-3.08	-0.99	-4.06
PODD	Insulet Corporation	287.85	96.50	95.73	Lagging	\$20,062	Health Care	-3.24	-0.97	-4.21
ULTA	Ulta Beauty Inc	453.45	93.25	92.21	Lagging	\$22,583	Retail	-3.23	-1.04	-4.27
IDXX	Idexx Laboratories Inc.	487.78	98.78	96.14	Lagging	\$40,488	Health Care	-3.30	-0.97	-4.27
FIVE	Five Below Inc	198.44	95.58	93.42	Lagging	\$11,046	Retail	-3.28	-1.04	-4.32
DKS	Dicks Sporting Goods Inc.	134.57	99.55	94.85	Lagging	\$11,604	Retail	-3.31	-1.04	-4.35
CUBE	CubeSmart	43.38	97.62	95.92	Lagging	\$9,747	Real Estate	-3.34	-1.02	-4.36
ОКТА	Okta Inc	69.25	97.46	91.72	Lagging	\$11,243	Cyber Security	-3.35	-1.02	-4.36
EIX	Edison International	67.76	98.68	96.46	Lagging	\$25,951	Utilities	-3.42	-0.99	-4.40
MSGS	Madison Square Garden Sports Corp	179.29	97.82	94.48	Lagging	\$4,284	Communication Services	-3.42	-1.03	-4.46
NYT	New York Times Co.	37.59	98.73	96.16	Lagging	\$6,191	Communication Services	-3.46	-1.03	-4.49
ATR	Aptargroup Inc.	112.83	98.59	97.04	Lagging	\$7,393	Materials	-3.48	-1.03	-4.50
AXON	Axon Enterprise Inc	188.71	99.03	92.46	Lagging	\$13,943	Aerospace & Defense	-3.46	-1.05	-4.51
MASI	Masimo Corp	162.00	98.70	92.46	Lagging	\$8,550	Health Care	-3.56	-0.97	-4.53
scco	Southern Copper Corporation	71.25	98.28	93.87	Lagging	\$55,084	Materials	-3.59	-1.03	-4.62
CHE	Chemed Corp.	541.87	99.93	97.86	Lagging	\$8,139	Health Care	-3.71	-0.97	-4.68
BRKR	Bruker Corp	72.83	99.60	95.36	Lagging	\$10,686	Health Care	-3.80	-0.97	-4.77

Relative Rotation Graph for Top 20 and Bottom 20 is provided below.

Also, use the following link that shows RRG over time - how stocks move in and out of favor over time: <u>https://youtu.be/S5er-b3rx98</u>

Weekly Relative Rotation Graph® Date: 6/23/2023 Benchmark: S&P 500 INDEX - SPX (WI)



Relative Rotation Strategies (RSS)

1. The Relative Rotation Fund

Most recent performance:

Since inception



The Relative Rotation Fund is created using the weekly Top and Bottom ranked stocks in the TPA-RRG report. The fund holds 60 stocks; 30 long and 30 short. The portfolio is created by buying the Top 10 and selling short the Bottom 10 ranked stocks each week. Screens are used to ensure that overbought and oversold stocks are not included. Long positions have twice the weight of short positions. This is a nod to history, which has shown that stocks approximately go up twice as much as down on a daily basis. Since new stocks are added each week, each position is held for 3 weeks. Rebalancing occurs as close as possible to Friday's closing prices. (Trades and returns are hypothetical.)

2. Top 5 and Bottom 5 ETFs

Most recent performance:

Since inception



Top 5 and Bottom 5 ETFs – Buys the Top 5 ETFs and Sells short the Bottom 5 ETFs each week. Each position is held for 3 weeks. The 3-week holding period means that each week we trade out of the positions from 3 weeks ago and add the current week's TOP 5 and Bottom 5. Each week's trades account for approximately 1/3 of the portfolio. Shorts are always ½ the value of longs.

3. Top 5 ETFs and a S&P500 Hedge

Most recent performance:





4. Top 5 ETFs – Long Only

Most recent performance:

Since inception



TPA-RRG 27 SECTOR ETFS

TPA-RRG	U.S. SECTOR & SUBSECTOR ETFS		6/25/23			
						TPA-RRG
Code	Name	Last	RRG Ratio	RRG Momentum	<u>Quadrant</u>	<u>SCORE</u>
XLF	Financials	32.74	93.02	100.14	Improving	3.09
XLY	Consumer Discretionary	165.45	101.79	101.22	Leading	3.07
IGV	Software	336.71	105.07	100.28	Leading	3.00
XLK	TECH	168.65	106.58	100.55	Leading	2.99
ІТВ	Home Construction	82.23	106.32	100.10	Leading	2.92
SMH 🚪	SEMI	147.53	106.52	100.01	Leading	2.84
хор 🚪	Oil&Gas E&P	121.68	91.15	100.39	Improving	1.94
CLOU 🚪	Cloud Computing	19.35	99.67	99.91	Lagging	1.27
IYT	Transportation	237.43	97.17	99.69	Lagging	1.08
XLI	Industrial	103.28	96.69	99.31	Lagging	1.06
XLE 🚪	Energy	77.36	92.26	98.80	Lagging	-1.92
XLV	Health Care	132.00	95.78	99.31	Lagging	-1.94
XLP	Staples	73.78	97.35	98.89	Lagging	-1.97
XLU	Utilities	65.03	94.69	98.31	Lagging	-1.97
TAN	Solar	68.04	91.95	97.67	Lagging	-2.00
FDN 🚪	Internet	159.58	103.28	99.87	Weakening	-2.01
моо	Agribusiness	80.53	91.85	97.90	Lagging	-2.01
РРН 🚪	Pharma	78.47	96.78	98.30	Lagging	-2.02
оін 🚪	Oil Services	267.40	88.96	98.44	Lagging	-2.03
НАСК	Cyber Security	49.13	98.94	99.61	Lagging	-2.04
IYR	Real Estate	82.24	94.17	99.15	Lagging	-2.04
XLB	Materials	79.67	95.07	98.54	Lagging	-2.06
XME	Metals & Mining	48.69	89.58	96.04	Lagging	-2.07
XLC	Communications	64.06	105.33	99.54	Weakening	-2.07
XRT	Retail	61.83	92.34	98.50	Lagging	-2.09
ITA	Aerospace & Defense	113.65	96.20	98.00	Lagging	-2.10
SOCL	Social Media	36.71	98.71	96.12	Lagging	-3.32

			OR & SU 12/23/22		1/6/23	1/13/23	1/20/23	1/27/23	2/3/23	2/10/23	2/17/23	2/24/23	3/3/23	3/10/23	3/17/23	3/24/23	3/31/23	4/7/23	4/14/23	4/21/2
Rank	Code	Code	12/23/22 Code	12/30/22 Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	5/24/25 Code	Code	Code	4/14/23 Code	4/21/2 Code
1	MOO	PPH	PPH	IYT	IYT	SMH	SOCL	SOCL	SOCL	FDN	CLOU	XLK	XLK	XLK	IGV	IGV	HACK	HACK	XLU	XLP
2	XRT	XLB	XLB	PPH	SMH	IYT	XLU	CLOU	CLOU	XLK	IGV	IGV	IGV	IGV	FDN	XLK	XLY	CLOU	HACK	XLU
3	XLB	IYT	SMH	XLU	XLU	SOCL	XLC	XLC	FDN	XLC	FDN	XLC	FDN	FDN	XLK	HACK	XLK	FDN	FDN	TAN
4	IYT	SMH	MOO	SMH	SOCL	CLOU	CLOU	FDN	XLC	IGV	XLK	FDN	CLOU	XLY	HACK	FDN	FDN	IGV	XLC	HAC
5	SMH	MOO	SOCL	SOCL	IYR	XLC	SMH	IGV	IGV	SOCL	XLC	XLY	XLY	XLC	XLY	SMH	IGV	XLC	IGV	FDN
6	PPH	SOCL	IYR	IYR	PPH	XLK	IYT	IYR	XLK	HACK	XLY	CLOU	XLC	CLOU	XLC	XRT	CLOU	XLK	SMH	XLY
7	SOCL	XRT	IYT	XRT	XLB	IYR	IYR	IYT	IYR	ITB	HACK	SMH	HACK	HACK	SMH	IYT	XLC	SMH	XLK	IG\
8	ITA	XLI	XRT	MOO	XME	XRT	IGV	SMH	ITB	IYT	IYT	XRT	SMH	SMH	CLOU	CLOU	SOCL	XLY	XLY	SM
9	XLI	ITB	ITA	XLI	ITB	ITB	PPH	ITB	XRT	CLOU	XRT	HACK	XRT	XRT	SOCL	XLC	SMH	XLP	XLP	XLI
10	ITB	XLP	XLI	XLP	XLP	M00	XLK	XLK	IYT	SMH	SOCL	PPH	IYT	IYT	XRT	XLY	XLP	XLU	XLV	XL
11	XLP	XME	ITB	ITB	XRT	XLP	M00	M00	SMH	XME	PPH	SOCL	SOCL	SOCL	IYT	SOCL	IYR	IYR	XOP	XL
12	XME	OIH	XME	XLB	M00	ITA	XRT	XLP	XLB	IYR	SMH	IYT	ITB	ITB	ITB	ITB	ITA	M00	TAN	IYF
13	XOP	XLE	XLV	XME	OIH	OIH	XLB	XRT	PPH	PPH	IYR	IYR	IYR	IYR	IYR	IYR	XOP	XOP	IYR	XO
14	OIH	XLF	OIH	OIH	ITA	PPH	OIH	XLB	XME	XRT	ITB	ITB	TAN	TAN	XLU	TAN	MOO	TAN	ITA	ITE
15	XLF	ITA	XLE	ITA	XLV	XLB	XLI	XLI	XLU	XLU	XLU	XLU	XME	XME	MOO	XLU	TAN	ITA	PPH	MO
16 17	XLV XLE	XLV IYR	XLF	XLF XLV	XLF	XLI XLF	ITA	PPH XME	HACK XLY	XLY XLF	OIH	XLF	XLU XLB	XLU	TAN XOP	ITA MOO	ITB XLI	ITB SOCL	MOO ITB	XLI SOC
17 18	XLE XLK	XLK	XLP	TAN	XLI XLC	XLF	XLP	XIVIE	OIH	OIH	ITA	XME	XLB	XLI XLB	XOP	XOP	XLI	XLV	XLE	ITA
19	IYR	HACK	XLU	HACK	TAN	XME	XME	TAN	ITA	ITA	XME	ITA	OIH	ITA	ITA	XME	XME	XLI	SOCL	CLO
20	HACK	FDN	CLOU	FDN	HACK	FDN	TAN	XLY	XLI	XLE	XU	XLI	XLI	MOO	XLI	XLI	IYT	IYT	XLI	XL
21	CLOU	CLOU	TAN	CLOU	XLK	IGV	FDN	HACK	XLF	XLI	XLE	XLE	ITA	OIH	OIH	PPH	XLB	XME	XME	PP
22	FDN	IGV	FDN	XLC	IGV	TAN	HACK	ITA	XLV	XLB	XLB	XLB	XLE	XOP	XLB	OIH	OIH	XRT	CLOU	XLE
23	IGV	XLC	XLC	XLK	CLOU	HACK	XLV	OIH	XLE	XLV	XLV	XLV	PPH	XLF	PPH	XLB	XRT	PPH	XLF	XR
24	XLC	XLU	HACK	IGV	XLE	XLY	XLY	XLV	XLP	XLP	XLP	TAN	MOO	PPH	XLF	XLP	XLV	XLE	XLB	XL
25	XLY	XOP	IGV	XLE	FDN	XLV	XLF	XLF	TAN	TAN	TAN	MOO	XOP	XLP	XLP	XLV	XLE	XLF	IYT	OII
26	XLU	TAN	XLY	XLY	XLY	XLE	XLE	XLE	XOP	XOP	XOP	XOP	XLP	XLV	XLV	XLE	PPH	XLB	OIH	IYI
27	TAN	XLY	XOP	XOP	XOP	XOP	XOP	XOP	MOO	MOO	MOO	XLP	XLV	XLE	XLE	XLF	XLF	OIH	XRT	XM
PA.	RRGU	S. SECT	OR & SU	BSECTOR	R FTFS -	HISTOR	Y													
	4/27/23	5/5/23	5/12/23	5/19/22	5/26/23	6/2/23	6/9/23	6/16/23	6/23/23											
lank	Code	Code	Code	Code	Code	Code	Code	Code	Code											
1	XLP	XLP	XLP	XLY	XLY	XLY	XLY	XLY	XLF											
2	XLU	XLU	XLV	XLC	XLC	XLC	XOP	XOP	XLY											
3	HACK	IGV	XLY	FDN	XLK	FDN	XLC	XLK	IGV											
4	FDN	FDN	XLU	XLK	FDN	IGV	IGV	IGV	XLK											
5	IGV	XLK	XLC	XLV	IGV	XLK	XLK	IYT	ITB											
6	XLK	XLY	FDN	IGV	XLV	XLV	OIH	XLI	SMH											
7	XLC	XLC	IGV	XLU	XLP	OIH	XLF	HACK	XOP											
8	XLY	XLV	XLK	XLP	XLF	XLF	XLE	XLF	CLOU											
9	XLV	ITB	PPH	TAN	XOP	XOP	ITB	FDN	IYT											
10	ITB	HACK	ITB	HACK	XLE	IYT	XLP	ITB	XLI											
11	TAN	TAN	HACK	MOO	HACK	XLE	XLU	SMH	XLE											
12	IYR	M00	TAN	ITB	XLU	IYR	SMH	XLP	XLV											
13	M00	XOP	XOP	IYR	PPH	XLP	XLV	XLV	XLP											
14	XOP	IYR	MOO	XOP	SMH	XLU	TAN	XLU	XLU											
15	SOCL	SOCL	IYR	XLE	TAN	PPH	PPH	PPH	TAN											
16	SMH	XLF	XLE	SMH	MOO	HACK	M00	XLE	FDN											
17	XLE	XLE	XLF	XLF	IYR	TAN	HACK	IYR	M00											
18	ITA	SMH	SMH	XRT	ITB	ITB	FDN	MOO	PPH											
19	CLOU	CLOU	SOCL	PPH	XLB	SMH	IYR	TAN	OIH											
20	XLF	ITA	XRT	OIH	XRT	M00	XLB	XLB	HACK											
	XRT	XRT	OIH	SOCL	IYT	XLB	XME	XLC	IYR											
	XLB	IYT	IYT	CLOU	OIH	XRT	XRT	XME	XLB											
22	OIH	OIH	XLB	XLB	SOCL	XME	XLI	XRT	XME											
22 23				IYT		XLI	IYT	OIH	XLC											
21 22 23 24	РРН	XLB	XLI		XLI															
22 23 24 25	PPH IYT	XME	XME	XLI	CLOU	SOCL	SOCL	ITA	XRT											
22 23 24	РРН																			

Relative Rotation Graph for 27 major sector & subsector ETFs is provided below.

Also, use the following link that shows RRG over time - how sectors & subsectors move in and out of favor over time: <u>https://youtu.be/X-pZu0QmkVY</u>



Weekly Relative Rotation Graph® Date: 6/23/2023 Benchmark: S&P 500 INDEX - SPX (WI)

TPA-RRG SCORES FOR THE ENTIRE RUSSELL 1000

Click <u>HERE</u> for the entire Russell 1000 TPA-RRG Score and Rank Report.

You can learn more about RRGs with these links: <u>Relative Rotation Graphs (RRG) – explanation video</u> (Less than 4 minutes) <u>What is TPA-RRG. What are RRGs.</u> <u>RRG – written explanation</u>

Turning Point Analytics Disclaimer

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