

TPA-RRG Report

- **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 TPA-RRG scores and rankings 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

Market

Two technical aspects of the S&P500 are worth paying attention to:

1. **Positive** - The long-term positive aspect of a January 2024 breakout to a new high is still in effect. This is long-term important on the positive side.
2. **Negative** - The recent decline has fallen below the 3-month uptrend line, BUT...
3. **Positive** - The recent decline is still right at support from the 5-month uptrend line.
4. **Positive** - The S&P500 is now the most oversold it has been since the January breakout.

S&P500



S&P500 - zoom



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

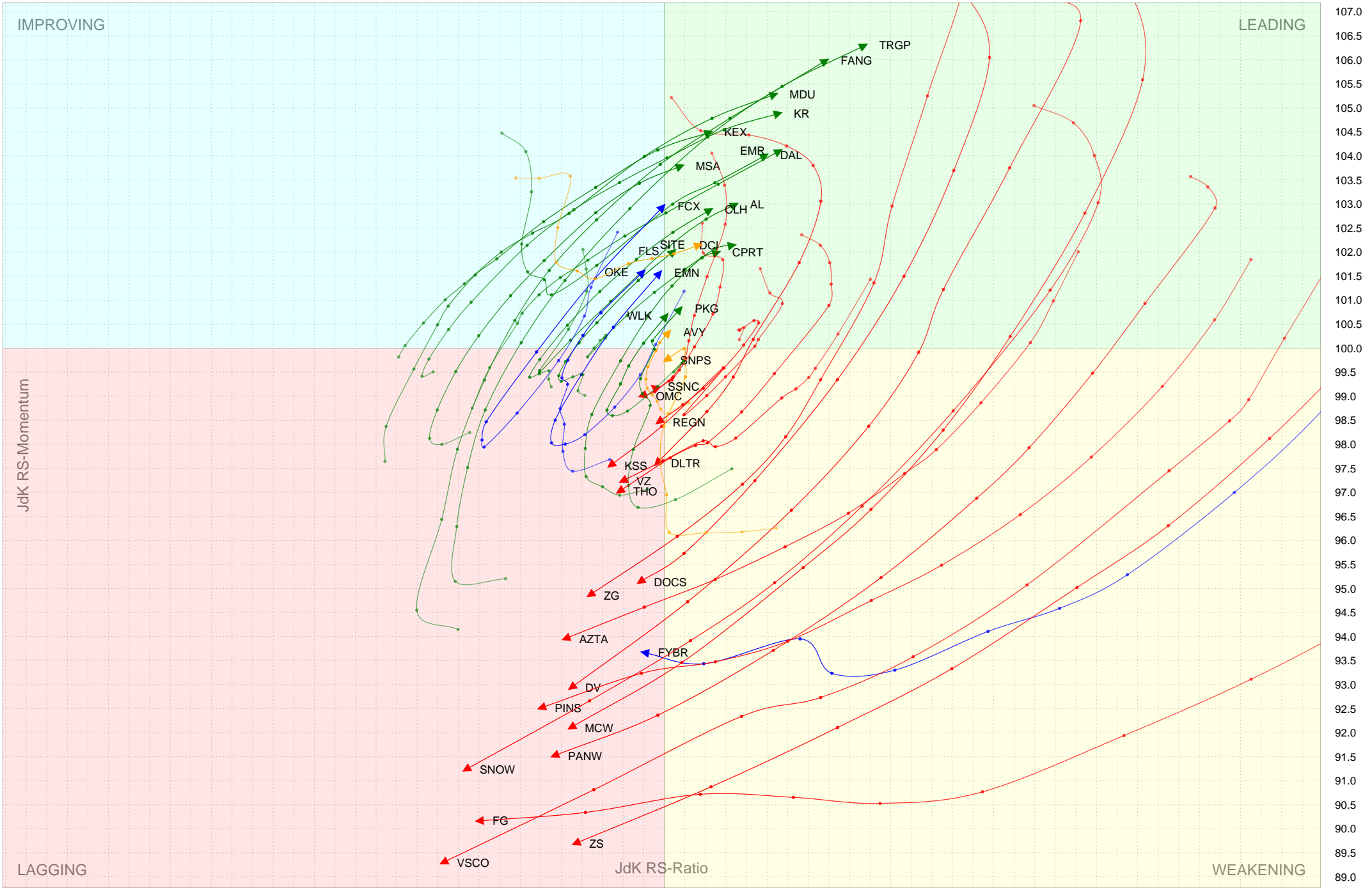
Buy	Prices as of 4/12/24							STOCK	SECTOR	TOTAL
Sell	TOP 20							TPA-RRG	TPA-RRG	TPA-RRG
Code	Name	Last	RRG Ratio	RRG Momentum	Quadrant	Mkt Cap (\$MIL)	TPA Sector	SCORE	SCORE	SCORE
PKG	Packaging Corp of America	182.20	100.39	100.82	Leading	\$16,330	Materials	7.51	1.01	8.52
WLK	Westlake Corporation	153.46	100.05	100.68	Leading	\$19,676	Materials	7.29	1.01	8.30
AVY	Avery Dennison Corp.	211.23	100.11	100.33	Leading	\$17,008	Materials	6.39	1.01	7.40
FLS	Flowserve Corp.	46.66	100.23	102.02	Leading	\$6,123	Industrial	5.22	1.50	6.73
CLH	Clean Harbors Inc.	196.77	101.12	102.88	Leading	\$10,614	Industrial	4.65	1.50	6.15
MSA	MSA Safety Inc	190.30	100.41	103.79	Leading	\$7,482	Industrial	4.65	1.50	6.15
SITE	SiteOne Landscape Supply Inc	169.26	100.86	102.15	Leading	\$7,640	Industrial	4.60	1.50	6.10
EMR	Emerson Electric Co.	112.65	102.81	104.11	Leading	\$64,402	Industrial	4.53	1.50	6.04
EMN	Eastman Chemical Co	97.98	99.89	101.57	Improving	\$11,523	Materials	5.00	1.01	6.01
DAL	Delta Air Lines Inc.	46.86	102.46	104.01	Leading	\$30,239	Industrial	4.47	1.50	5.98
AL	Air Lease Corp	48.55	101.74	102.99	Leading	\$5,407	Industrial	4.37	1.50	5.88
CPRT	Copart Inc.	55.38	101.30	101.99	Leading	\$53,246	Industrial	4.28	1.50	5.79
DCI	Donaldson Co. Inc.	73.47	101.68	102.14	Leading	\$8,844	Industrial	4.28	1.50	5.78
KEX	Kirby Corp.	97.91	101.11	104.49	Leading	\$5,725	Transportation	4.64	1.00	5.64
FANG	Diamondback Energy Inc	206.34	103.93	105.99	Leading	\$36,799	Energy	4.59	1.02	5.61
MDU	MDU Resources Group Inc	24.19	102.69	105.28	Leading	\$4,927	Utilities	4.54	1.01	5.55
KR	Kroger Co.	55.20	102.80	104.89	Leading	\$39,837	Consumer Staples	4.48	1.00	5.48
FCX	Freeport-McMoRan Inc	49.47	99.97	102.95	Improving	\$70,960	Materials	4.46	1.01	5.46
TRGP	Targa Resources Corp	114.69	104.87	106.30	Leading	\$25,523	Energy	4.40	1.02	5.42
OKE	ONEOK Inc	78.70	99.49	101.59	Improving	\$45,895	Energy	4.40	1.02	5.41

Buy	Prices as of	4/12/24						STOCK	SECTOR	TOTAL
Sell	BOTTOM 20							TPA-RRG	TPA-RRG	TPA-RRG
FYBR	Frontier Communications Parent Inc	23.87	99.50	93.67	Lagging	\$5,868	Communication Services	-3.39	-1.00	-4.39
FG	F&G Annuities & Life Inc	36.71	95.48	90.16	Lagging	\$4,636	Financial	-3.40	-1.00	-4.40
DOCS	Doximity Inc - Ordinary Shares - Clas	25.87	99.40	95.13	Lagging	\$4,826	Technology	-3.40	-1.00	-4.41
OMC	Omnicom Group Inc.	90.59	99.44	99.01	Lagging	\$17,936	Communication Services	-3.43	-1.00	-4.43
SNOW	Snowflake Inc - Ordinary Shares - Cl	158.56	95.17	91.23	Lagging	\$52,991	Internet	-3.45	-1.00	-4.45
VSCO	Victoria's Secret & Co	17.93	94.62	89.29	Lagging	\$1,391	Retail	-3.48	-1.00	-4.49
PANW	Palo Alto Networks Inc	279.07	97.31	91.52	Lagging	\$90,168	Cyber Security	-3.49	-1.01	-4.50
AZTA	Azenta Inc	54.75	97.58	93.95	Lagging	\$3,053	Technology	-3.50	-1.00	-4.50
PINS	Pinterest Inc	33.54	96.99	92.51	Lagging	\$22,773	Social Media	-3.52	-1.00	-4.52
VZ	Verizon Communications Inc	39.72	98.97	97.23	Lagging	\$166,994	Communication Services	-3.59	-1.00	-4.60
MCW	Mister Car Wash Inc	6.73	97.72	92.10	Lagging	\$2,123	Consumer Discretionary	-3.59	-1.00	-4.60
SNPS	Synopsys Inc.	557.16	100.04	99.75	Weakening	\$84,991	Technology	-3.61	-1.00	-4.61
SSNC	SS&C Technologies Holdings Inc	62.01	99.74	99.20	Lagging	\$15,324	Tech-Software	-3.18	-1.51	-4.70
THO	Thor Industries Inc.	103.14	98.90	97.01	Lagging	\$5,500	Consumer Discretionary	-3.72	-1.00	-4.72
DV	DoubleVerify Holdings Inc	32.36	97.73	92.93	Lagging	\$5,542	Technology	-3.72	-1.00	-4.72
ZG	Zillow Group Inc	43.71	98.18	94.86	Lagging	\$10,192	Internet	-3.72	-1.00	-4.73
KSS	Kohl's Corp.	22.73	98.68	97.55	Lagging	\$2,521	Retail	-3.78	-1.00	-4.79
REGN	Regeneron Pharmaceuticals Inc.	904.70	99.85	98.46	Lagging	\$99,302	Health Care	-3.79	-1.00	-4.80
ZS	Zscaler Inc	181.41	97.83	89.69	Lagging	\$27,186	Tech-Software	-3.57	-1.51	-5.08
DLTR	Dollar Tree Inc	125.19	99.81	97.60	Lagging	\$27,289	Consumer Discretionary	-4.28	-1.00	-5.28

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:

<https://youtu.be/muih0rJstdg>



84.0 84.5 85.0 85.5 86.0 86.5 87.0 87.5 88.0 88.5 89.0 89.5 90.0 90.5 91.0 91.5 92.0 92.5 93.0 93.5 94.0 94.5 95.0 95.5 96.0 96.5 97.0 97.5 98.0 98.5 99.0 99.5 100.0 100.5 101.0 101.5 102.0 102.5 103.0 103.5 104.0 104.5 105.0 105.5 106.0 106.5 107.0 107.5 108.0 108.5 109.0 109.5 110.0 110.5 111.0 111.5 112.0 112.5 113.0 113.5 114.0 114.5 115.0 115.5

TPA-RRG 27 SECTOR ETFS

TPA-RRG U.S. SECTOR & SUBSECTOR ETFS							4/14/24
Code	Name	Last	RRG Ratio	RRG Momentum	Quadrant	TPA-RRG SCORE	
XLI	Industrial	122.90	100.81	100.90	47.44	3.01	
OIH	Oil Services	334.17	91.96	104.44	52.80	2.05	
XOP	Oil&Gas E&P	157.98	95.25	104.77	66.93	2.04	
XLE	Energy	96.13	95.59	103.67	64.66	2.03	
TAN	Solar	41.99	88.26	101.41	41.61	2.03	
XLU	Utilities	64.20	93.68	100.48	49.59	2.02	
XLB	Materials	89.92	98.34	101.43	43.87	2.02	
MOO	Agribusiness	71.97	90.45	101.08	36.62	2.02	
SMH	SEMI	220.68	111.91	101.99	49.60	2.01	
PPH	Pharma	85.48	98.92	100.25	27.35	2.00	
IYT	Transportation	67.61	100.44	100.18	41.29	2.00	
XLP	Staples	73.38	96.07	100.10	34.19	2.00	
XLF	Financials	40.06	100.95	99.90	37.55	-2.00	
XRT	Retail	71.88	101.74	99.98	33.65	-2.00	
ITA	Aerospace & Defense	127.72	98.28	99.52	42.26	-2.00	
XLY	Consumer Discretionary	177.11	97.02	99.57	41.94	-2.00	
ITB	Home Construction	107.26	105.64	99.35	43.09	-2.01	
XLV	Health Care	138.91	97.95	99.57	29.54	-2.01	
XLK	TECH	205.42	100.70	98.82	47.18	-2.01	
IYR	Real Estate	84.80	95.52	98.31	37.39	-2.01	
XLC	Communications	81.33	100.96	99.57	50.64	-2.01	
FDN	Internet	203.39	102.90	99.17	48.74	-2.01	
SOCL	Social Media	39.12	95.37	98.42	41.52	-2.01	
HACK	Cyber Security	62.85	100.72	97.67	43.06	-2.01	
XME	Metals & Mining	61.40	96.89	98.82	58.85	-2.02	
IGV	Software	82.76	99.87	97.66	40.19	-3.02	
CLOU	Cloud Computing	20.91	96.44	96.63	35.91	-3.03	

TPA-RRG U.S. SECTOR & SUBSECTOR ETFs - HISTORY

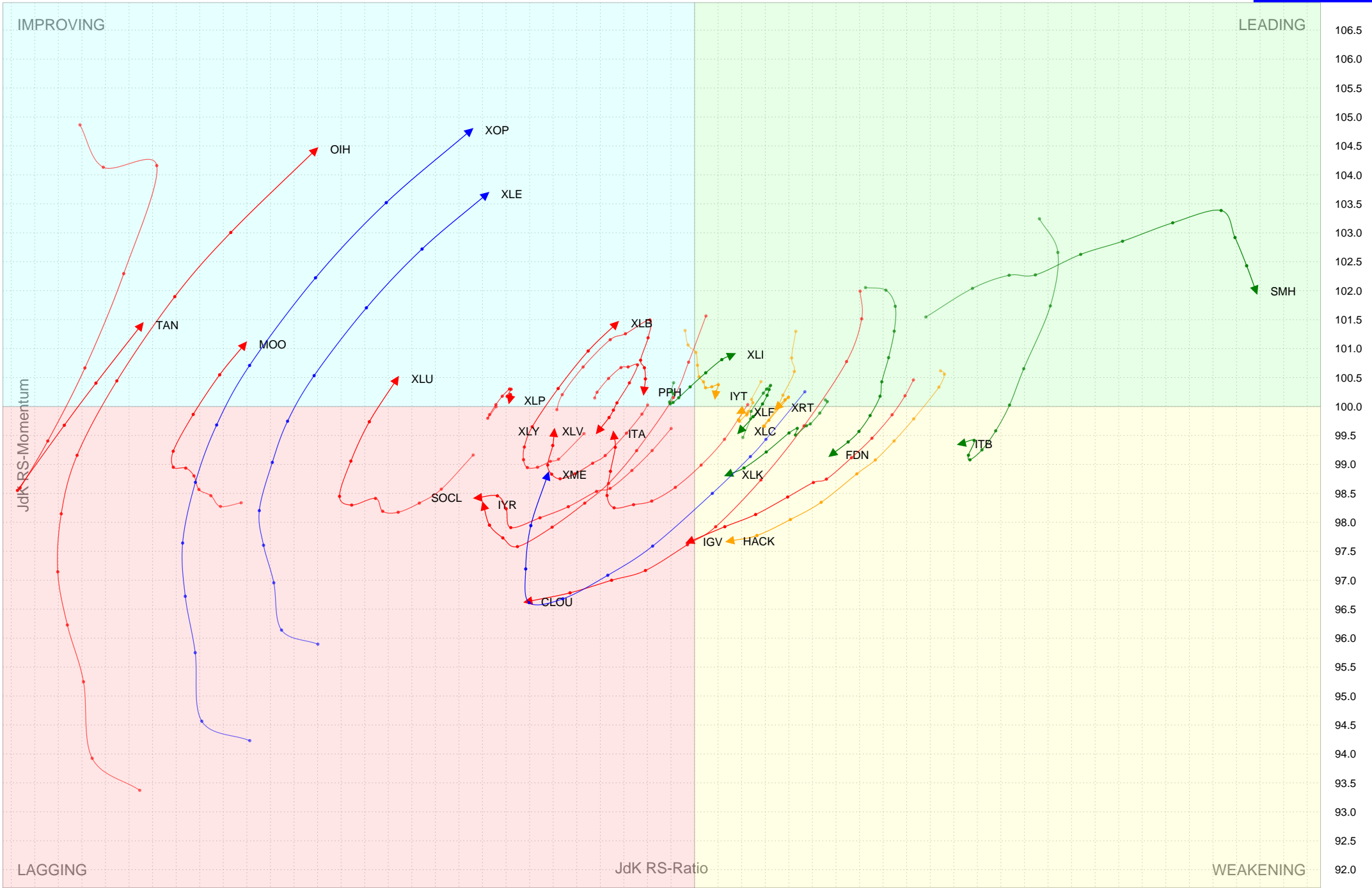
Rank	9/15/23	9/22/23	9/29/23	10/6/23	10/13/23	10/20/23	10/27/23	11/3/23	11/10/23	11/17/23	11/24/23	12/1/23	12/8/23	12/15/23	12/22/23	12/29/23	1/5/24	1/12/24	1/19/24	1/26/24
Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code
1	HACK	XOP	XLE	XLE	XLE	XME	PPH	PPH	XOP	XLF	XLF	XLF	XLF	ITB	ITB	ITB	CLOU	XRT	XRT	YR
2	XLE	XLE	XOP	XME	XME	PPH	XME	XME	XLE	ITA	ITA	ITA	ITA	ITA	CLOU	ITA	SOCL	SOCL	SOCL	TAN
3	PPH	OIH	XME	PPH	PPH	OIH	OIH	XOP	XME	ITA	XME	XRT	ITA	XLF	XRT	SOCL	SOCL	TAN	TAN	ITB
4	XLF	PPH	OIH	XLF	OIH	XOP	XOP	OIH	XLU	XLU	XLK	YR	YR	TAN	ITA	XRT	XRT	CLOU	ITB	FDN
5	XOP	XME	HACK	OIH	XOP	XLE	XLE	XLE	PPH	XME	HACK	IGV	XLU	YR	TAN	ITA	TAN	ITB	FDN	ITA
6	XME	XLF	XLU	XOP	XRT	XLF	HACK	XLU	XLP	HACK	XRT	XLK	XRT	XRT	FDN	TAN	ITB	FDN	ITA	CLOU
7	SOCL	SOCL	XLF	HACK	MOO	MOO	XLF	SOCL	HACK	SOCL	XLP	XLB	XLK	XLU	YR	YR	ITA	CLOU	XLU	YR
8	XLV	HACK	PPH	XRT	XLF	HACK	XLU	ITA	ITA	XLP	SOCL	SMH	HACK	XLP	YR	SMH	YR	HACK	YR	XRT
9	XLU	XLV	MOO	MOO	HACK	XLB	XLV	HACK	XLK	XLV	HACK	IGV	XLU	SMH	FDN	FDN	XLU	XLU	XLV	XLV
10	YR	MOO	YR	XLV	XLU	XLV	MOO	XLC	XLV	XLK	XLV	XLV	XLP	SMH	XME	XME	XLV	SMH	SMH	SMH
11	OIH	YR	XRT	YR	XLB	XLU	ITA	XLV	XLF	XLK	XLC	XME	XLB	SOCL	IGV	YR	SMH	IGV	YR	HACK
12	XRT	XRT	XLB	XLB	XLV	ITA	XLB	XLF	SOCL	XLB	XLB	XLU	SOCL	XLB	XLK	IGV	XLP	YR	XME	YR
13	MOO	XLU	XLV	ITA	YR	XLP	XLC	XLP	IGV	YR	IGV	XLP	SMH	XLK	XLU	XLP	YR	HACK	XME	XME
14	XLB	YR	ITA	XLU	XLU	FDN	XLV	XLK	XLU	YR	SOCL	XLV	HACK	XLP	XLV	XLV	XLV	XLV	XLV	IGV
15	YR	XLP	XLU	XLC	ITA	SOCL	FDN	YR	SMH	MOO	XLU	XLU	XLU	IGV	HACK	XLV	XLK	XLK	XLV	XLK
16	ITA	XLB	SOCL	XLP	XLC	XLC	YR	IGV	XRT	IGV	YR	XLC	XLC	XME	SOCL	XLV	XLU	XLU	IGV	XLF
17	XLU	XLU	XLP	IGV	XLP	CLOU	CLOU	FDN	YR	SMH	SMH	MOO	CLOU	MOO	XLF	XLU	HACK	XLP	XLF	XLU
18	XLP	ITA	XLV	XLV	IGV	IGV	XLV	XLK	XLU	YR	TAN	YR	TAN	XLV	XLU	XLB	XLV	XLV	XLV	XLP
19	XLC	XLC	FDN	XLU	FDN	XLU	XLU	SMH	XLB	XRT	MOO	TAN	YR	XLV	XLB	HACK	IGV	XME	XLU	XLV
20	FDN	IGV	CLOU	FDN	SOCL	XRT	IGV	XLV	FDN	FDN	XLE	ITB	MOO	XLC	XLC	MOO	XME	XME	XLV	XLV
21	IGV	XLK	IGV	XLK	SMH	SMH	SOCL	MOO	MOO	TAN	XOP	XOP	XME	YR	XLV	XLV	XLV	XLV	XLV	PPH
22	TAN	XLV	XLC	SOCL	XLK	XLK	SMH	XLU	TAN	XOP	OIH	XLE	XLE	CLOU	XLV	XLC	XLV	XLV	MOO	MOO
23	XLV	FDN	SMH	CLOU	XLV	YR	XRT	XRT	OIH	OIH	CLOU	OIH	XOP	XOP	MOO	XLV	PPH	MOO	XLV	SOCL
24	CLOU	CLOU	XLK	SMH	CLOU	XLV	XLK	TAN	XLV	XLV	FDN	FDN	OIH	OIH	PPH	PPH	MOO	PPH	PPH	XLU
25	ITB	SMH	YR	YR	TAN	TAN	TAN	CLOU	YR	CLOU	PPH	XLV	FDN	FDN	XLE	XLE	XLE	XLE	XLE	XLE
26	SMH	TAN	ITB	TAN	YR	YR	YR	ITB	CLOU	PPH	XLV	CLOU	XLV	PPH	XOP	OIH	XOP	XOP	XOP	OIH
27	XLK	ITB	TAN	ITB	YR	ITB	ITB	YR	ITB	ITB	ITB	PPH	PPH	XLE	OIH	XOP	OIH	OIH	OIH	XOP

TPA-RRG U.S. SECTOR & SUBSECTOR ETFs - HISTORY

Rank	2/2/24	2/9/24	2/16/24	2/23/24	3/1/24	3/8/24	3/15/24	3/22/24	3/29/24	4/5/24	4/12/24	4/19/24	4/26/24	5/3/24	5/10/24	5/17/24	5/24/24	5/31/24	6/7/24	6/14/24
Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code
1	YR	SMH	YR	YR	YR	YR	YR	OIH	XLU	XLU	XLU									
2	TAN	TAN	TAN	TAN	TAN	SMH	SMH	XOP	XOP	XOP	OIH									
3	ITB	YR	ITB	ITB	SMH	PPH	XLV	SMH	OIH	OIH	XOP									
4	FDN	ITB	SMH	PPH	ITB	FDN	PPH	XLE	XLE	XLE	XLE									
5	ITA	CLOU	CLOU	SMH	FDN	XLP	FDN	XLV	XLB	TAN	TAN									
6	SMH	XRT	YR	XRT	PPH	XLV	XLU	PPH	XRT	XLB	XLU									
7	CLOU	FDN	PPH	FDN	XLP	XLC	XLC	XLU	SMH	MOO	XLB									
8	XRT	XLF	FDN	XLC	XLV	XLU	XLP	XLP	XLC	SMH	MOO									
9	YR	IGV	XLV	XLV	XLC	XLF	XRT	YR	PPH	PPH	SMH									
10	XME	PPH	HACK	XLP	XLU	XLB	XLK	XLC	YR	YR	PPH									
11	XLK	YR	XRT	XLU	XLF	MOO	XLF	XLF	XLP	XRT	YR									
12	IGV	XLU	XLF	XLF	XLK	XLU	XLB	TAN	ITB	XLP	XLP									
13	XLV	XLV	XLU	XLK	XLB	XLK	MOO	XRT	XLF	XLF	XLF									
14	XLF	HACK	XLP	MOO	MOO	XLV	IGV	XLK	XLV	XLV	XRT									
15	XLU	XLK	XLC	XLB	XRT	XRT	XLV	XLV	YR	YR	ITA									
16	HACK	XLV	XLB	XLU	XLV	HACK	ITB	MOO	SOCL	FDN	XLV									
17	XLV	XLP	XLK	IGV	XLU	ITB	HACK	XLU	YR	SOCL	ITB									
18	XLP	XLC	MOO	XLV	IGV	IGV	XLU	ITB	FDN	XLC	XLV									
19	PPH	MOO	IGV	XLE	HACK	SOCL	SOCL	FDN	ITA	XLV	XLK									
20	XLC	XLB	XME	HACK	XLE	XLE	XLE	XLB	XLK	YR	YR									
21	MOO	ITA	XLV	XOP	XOP	OIH	YR	IGV	XLU	ITA	XLC									
22	XLB	XLE	XLU	XME	OIH	XOP	TAN	SOCL	HACK	XLK	FDN									
23	XLU	XLU	ITA	OIH	CLOU	CLOU	OIH	YR	IGV	IGV	SOCL									
24	XLE	XOP	XLE	YR	SOCL	TAN	XOP	HACK	MOO	HACK	HACK									
25	XOP	OIH	XOP	CLOU	ITA	ITA	ITA	TAN	XME	XME	XME									
26	OIH	XME	OIH	SOCL	YR	YR	CLOU	XME	XME	XLU	IGV									
27	SOCL	SOCL	SOCL	ITA	XME	XME	XME	CLOU	CLOU	CLOU	CLOU									

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: <https://youtu.be/sFA3CvVxP-o>



JdK RS-Momentum (Vertical Axis) | JdK RS-Ratio (Horizontal Axis)

85.5 86.0 86.5 87.0 87.5 88.0 88.5 89.0 89.5 90.0 90.5 91.0 91.5 92.0 92.5 93.0 93.5 94.0 94.5 95.0 95.5 96.0 96.5 97.0 97.5 98.0 98.5 99.0 99.5 100.0 100.5 101.0 101.5 102.0 102.5 103.0 103.5 104.0 104.5 105.0 105.5 106.0 106.5

Click [HERE](#) for the entire Russell 1000 TPA-RRG Score and Rank Report.

You can learn more about RRGs with these links:

[Relative Rotation Graphs \(RRG\) – explanation video](#) (Less than 4 minutes)

[What is TPA-RRG. What are RRGs.](#)

[RRG – written explanation](#)

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