

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 TOP 20 & BOTTOM 20 (table below)

Buy	Prices as of 4/26/24		TOP 20					STOCK	SECTOR	TOTAL
Sell								TPA-RRG	TPA-RRG	TPA-RRG
Code	Name	Last	RRG Ratio	RRG Momentum	Quadrant	Mkt Cap (\$MIL)	TPA Sector	SCORE	SCORE	SCORE
MMM	3M Co.	91.83	96.79	103.73	Improving	\$50,815	Industrial	3.77	1.00	4.78
BOKF	BOK Financial Corp.	90.83	100.45	101.89	Leading	\$5,870	Financial	5.07	1.00	6.07
TSN	Tyson Foods Inc.	60.63	101.02	102.45	Leading	\$21,181	Consumer Staples	5.05	1.00	6.05
WWD	Woodward Inc	150.58	100.10	101.78	Leading	\$9,080	Industrial	4.96	1.00	5.96
AA	Alcoa Corp	36.88	102.70	106.11	Leading	\$6,622	Metals and Mining	4.90	1.01	5.91
ALK	Alaska Air Group Inc.	43.96	100.71	105.68	Leading	\$5,530	Industrial	4.61	1.00	5.61
WMT	Walmart Inc	60.16	100.47	102.27	Leading	\$484,772	Consumer Staples	4.57	1.00	5.58
AGR	Avangrid Inc	36.38	100.50	105.39	Leading	\$14,071	Utilities	4.50	1.01	5.51
OKE	ONEOK Inc	81.06	101.63	102.92	Leading	\$47,271	Energy	4.43	1.01	5.45
FCX	Freeport-McMoRan Inc	50.50	104.52	106.23	Leading	\$72,438	Materials	4.39	1.00	5.39
FLS	Flowserve Corp.	46.76	102.01	102.96	Leading	\$6,136	Industrial	4.36	1.00	5.36
AVY	Avery Dennison Corp.	219.03	100.76	100.82	Leading	\$17,636	Materials	4.23	1.00	5.24
WLK	Westlake Corporation	149.55	100.66	101.19	Leading	\$19,175	Materials	4.19	1.00	5.20
PRU	Prudential Financial Inc.	110.50	100.92	101.03	Leading	\$39,670	Financial	4.18	1.00	5.18
LNC	Lincoln National Corp.	27.81	101.03	101.17	Leading	\$4,719	Financial	4.10	1.00	5.10
CHD	Church & Dwight Co. Inc.	106.32	99.60	101.56	Improving	\$25,932	Consumer Staples	3.92	1.00	4.92
WSO	Watsco Inc.	443.21	96.68	100.93	Improving	\$17,505	Industrial	3.73	1.00	4.73
DTM	DT Midstream Inc	64.04	99.36	104.20	Improving	\$6,211	Energy	3.62	1.01	4.64
HRL	Hormel Foods Corp.	35.32	97.37	107.87	Improving	\$19,344	Consumer Staples	3.59	1.00	4.59
AM	Antero Midstream Corp	14.19	99.16	103.82	Improving	\$6,808	Energy	3.56	1.01	4.58

Buy	Prices as of 4/26/24		BOTTOM 20					STOCK	SECTOR	TOTAL
Sell								TPA-RRG	TPA-RRG	TPA-RRG
DLTR	Dollar Tree Inc	121.74	96.90	95.75	Lagging	\$26,537	Consumer Discretionary	-3.37	-1.00	-4.37
CIEN	CIENA Corp.	46.61	97.81	95.48	Lagging	\$6,740	Internet	-3.41	-1.00	-4.42
PATH	UiPath Inc - Ordinary Shares - Class A	19.46	95.65	92.12	Lagging	\$11,073	Communication Services	-3.44	-1.00	-4.44
ROST	Ross Stores Inc.	133.61	98.76	97.16	Lagging	\$44,800	Consumer Discretionary	-3.48	-1.00	-4.48
FFIV	F5 Inc	181.94	99.77	99.21	Lagging	\$10,699	Technology	-3.14	-1.51	-4.65
AZTA	Azenta Inc	52.18	93.87	93.07	Lagging	\$2,910	Technology	-3.24	-1.51	-4.74
NWS	News Corp	24.96	99.67	97.04	Lagging	\$14,156	Communication Services	-3.74	-1.00	-4.75
RBLX	Roblox Corporation - Ordinary Share	36.01	92.50	92.31	Lagging	\$22,745	Technology	-3.24	-1.51	-4.75
PANW	Palo Alto Networks Inc	291.42	91.21	89.51	Lagging	\$94,158	Cyber Security	-3.25	-1.51	-4.76
DV	DoubleVerify Holdings Inc	30.23	91.39	90.02	Lagging	\$5,177	Technology	-3.27	-1.51	-4.78
IT	Gartner Inc.	448.78	99.49	97.09	Lagging	\$34,933	Technology	-3.28	-1.51	-4.78
AFRM	Affirm Holdings Inc - Ordinary Share	33.33	95.94	86.82	Lagging	\$10,228	Technology	-3.30	-1.51	-4.81
ZS	Zscaler Inc	177.05	90.30	87.26	Lagging	\$26,532	Tech-Software	-3.30	-1.51	-4.81
RGEN	Repligen Corp.	166.58	98.57	95.22	Lagging	\$9,290	Health Care	-3.82	-1.00	-4.82
UHAL	U-Haul Holding Company	64.92	98.18	97.88	Lagging	\$12,729	Transportation	-3.36	-1.51	-4.87
ESTC	Elastic N.V	107.43	96.42	89.17	Lagging	\$10,830	Tech-Software	-3.40	-1.51	-4.91
INTU	Intuit Inc	636.55	99.49	97.45	Lagging	\$178,221	Technology	-3.43	-1.51	-4.94
SAIC	Science Applications International C	129.47	99.24	97.82	Lagging	\$6,687	Cyber Security	-3.55	-1.51	-5.06
SSNC	SS&C Technologies Holdings Inc	61.24	99.41	99.25	Lagging	\$15,134	Tech-Software	-3.76	-1.51	-5.27
LUV	Southwest Airlines Co	27.03	98.68	97.29	Lagging	\$16,128	Transportation	-4.73	-1.51	-6.24

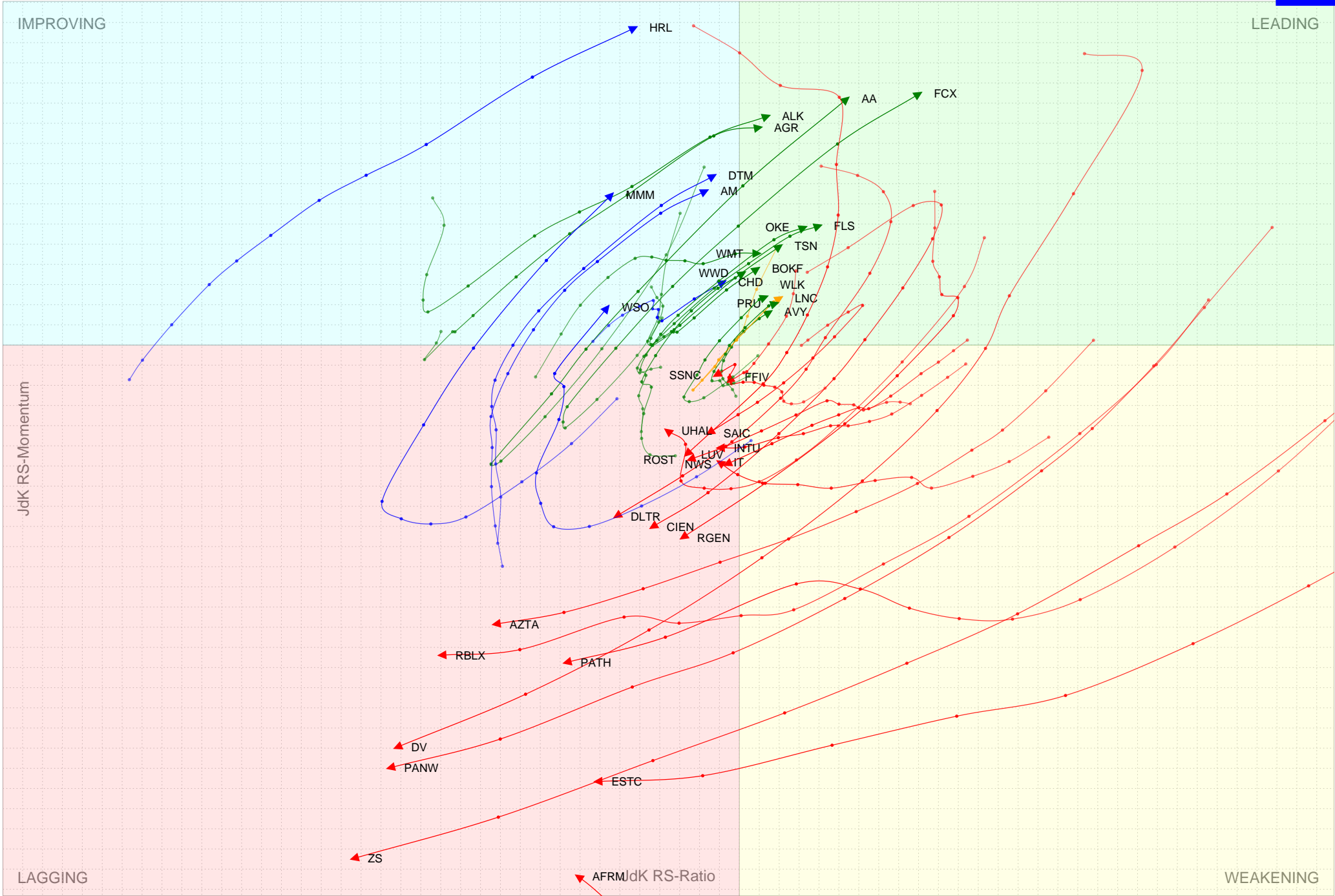
Relative Rotation Graph for Top 20 and Bottom 20 is provided below.

Also, use the following link that shows RRG over time - how stocks move in and out of favor over time:

<https://youtu.be/O1pDyWusSbc>

TPA-RRG 27 SECTOR ETFS

TPA-RRG U.S. SECTOR & SUBSECTOR ETFS						4/28/24	
Code	Name	Last	RRG Ratio	RRG Momentum	Quadrant	TPA-RRG SCORE	
OIH	Oil Services	325.95	95.29	106.15	47.10	2.03	
XOP	Oil&Gas E&P	157.02	98.45	106.11	60.53	2.03	
XLE	Energy	95.74	98.57	105.14	57.22	2.03	
XME	Metals & Mining	60.85	98.33	100.92	54.60	2.02	
XLU	Utilities	66.19	95.70	102.30	59.41	2.02	
MOO	Agribusiness	71.78	92.05	102.33	41.74	2.02	
SMH	SEMI	217.64	110.85	100.20	52.26	2.01	
XLP	Staples	75.59	97.02	100.82	59.14	2.01	
XLB	Materials	89.52	99.61	102.14	47.27	2.01	
TAN	Solar	40.77	88.27	101.39	43.70	2.01	
PPH	Pharma	86.80	98.94	100.02	47.00	2.01	
ITA	Aerospace & Defense	129.53	98.54	100.08	55.02	2.00	
XLI	Industrial	122.66	101.27	100.98	50.35	2.00	
XLF	Financials	40.82	101.25	100.19	51.11	2.00	
XLY	Consumer Discretionary	175.91	96.77	99.66	48.46	-2.00	
XLC	Communications	80.11	100.81	99.52	47.96	-2.00	
ITB	Home Construction	105.65	104.97	99.17	46.22	-2.01	
IYR	Real Estate	83.24	95.15	98.81	39.68	-2.01	
XLV	Health Care	139.96	97.68	99.40	40.93	-2.01	
XRT	Retail	73.22	101.25	99.62	48.85	-2.01	
FDN	Internet	199.97	101.92	98.68	49.52	-2.01	
SOCL	Social Media	41.15	95.63	99.35	59.84	-2.01	
CLOU	Cloud Computing	20.60	94.61	96.48	42.95	-2.01	
XLK	TECH	199.83	99.59	98.33	45.71	-3.01	
HACK	Cyber Security	62.56	98.99	97.16	50.13	-3.02	
IYT	Transportation	65.82	99.78	99.52	39.79	-3.02	
IGV	Software	81.09	98.08	97.08	43.97	-3.02	



82.0 82.5 83.0 83.5 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

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

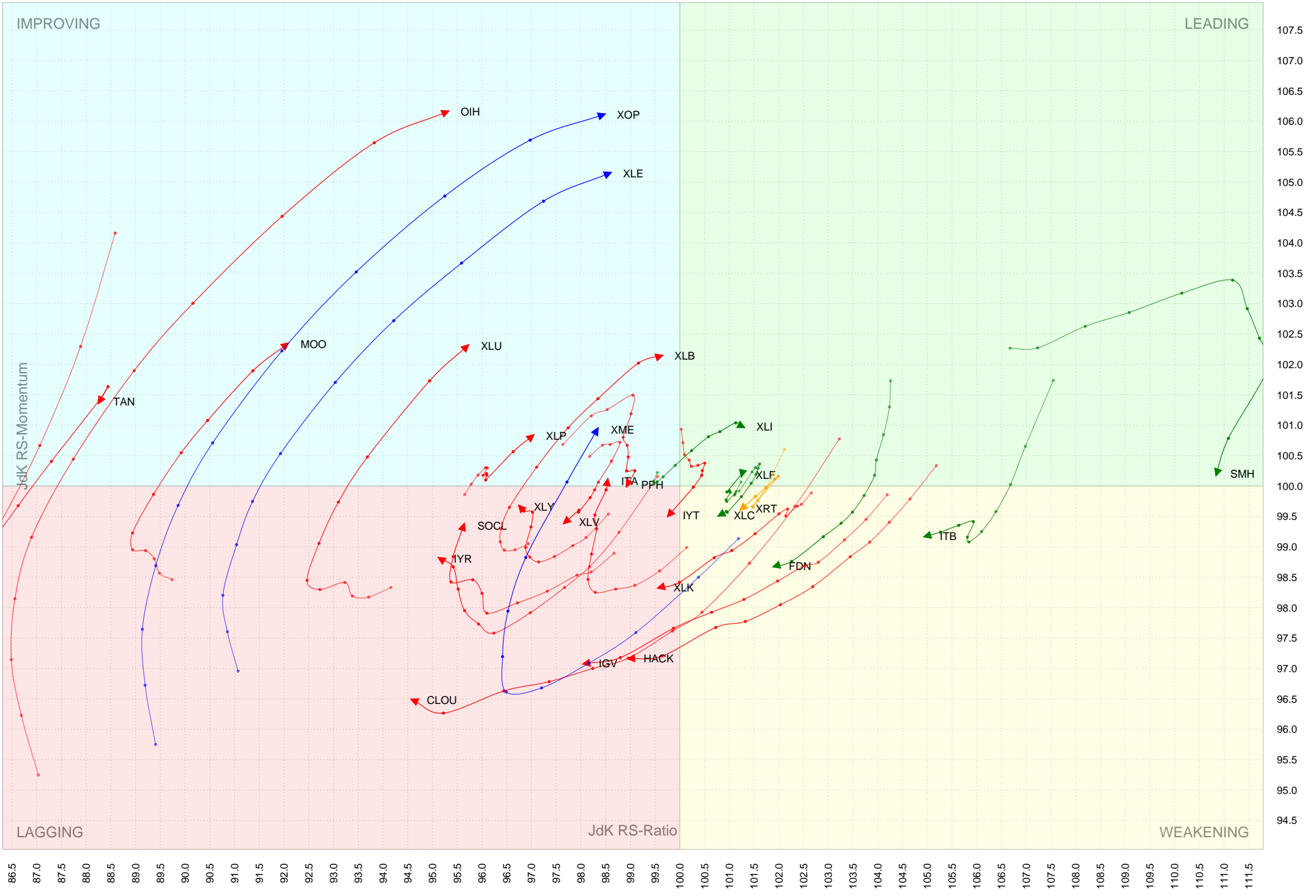
Rank	9/15/23	9/22/23	9/29/23	10/6/23	10/13/23	10/20/23	10/27/23	11/3/23	11/10/23	11/17/23	11/24/23	12/1/23	12/8/23	12/15/23	12/22/23	12/29/23	1/5/24	1/12/24	1/19/24	1/26/24
Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code
1	HACK	XOP	XLE	XLE	XLE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

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/oYQROsqfPM>



LAGGING

JdK RS-Ratio

WEAKENING

IMPROVING

LEADING

JdK RS-Momentum

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

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](#)

Turning Point Analytics Disclaimer

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