



# **Quant/Technical Analysis:**

**S&P upside 6700-7000.**

**Breadth has more room to expand = fuel in the tank.**

**July 2025**

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## **S&P upside 6700-7000.**

**Breadth has more room to expand = fuel in the tank.**

### **Equities.**

- Secular bull since 2013 ~halftime, expected to last ~mid-2030's driven by demographics
- S&P breakout targets 6700-7000. Support 6150 / 5850
- Global =wgt 52-week highs. World ex-USA improving but long-term S&P still the leader
- Breadth hit extremes in Apr., now neutral so further room to expand = fuel in the tank

### **Rates / Credit**

- 10-year in long-term uptrend, near-term trading range. Support 4.25/4, Resistance 5/5.4
- Credit spreads tightening, Baker's Dozen turning up = risk on

### **Currencies / Commodities**

- US\$ in downtrend < 100, support 94 / 90. CAD\$ strong resistance 74 / 76
- Commodities perking up. Gold > 3500 = 4000, support 3200. Copper strong, resistance 5.25, support 4.75. Oil choppy, support 64 / 60, resistance 70 / 75

### **Sectors**

- Rotation into Cyclical: Financials, Tech, Industrials strong breadth

### **Factors**

- Beta vs. Low Vol has snapped back

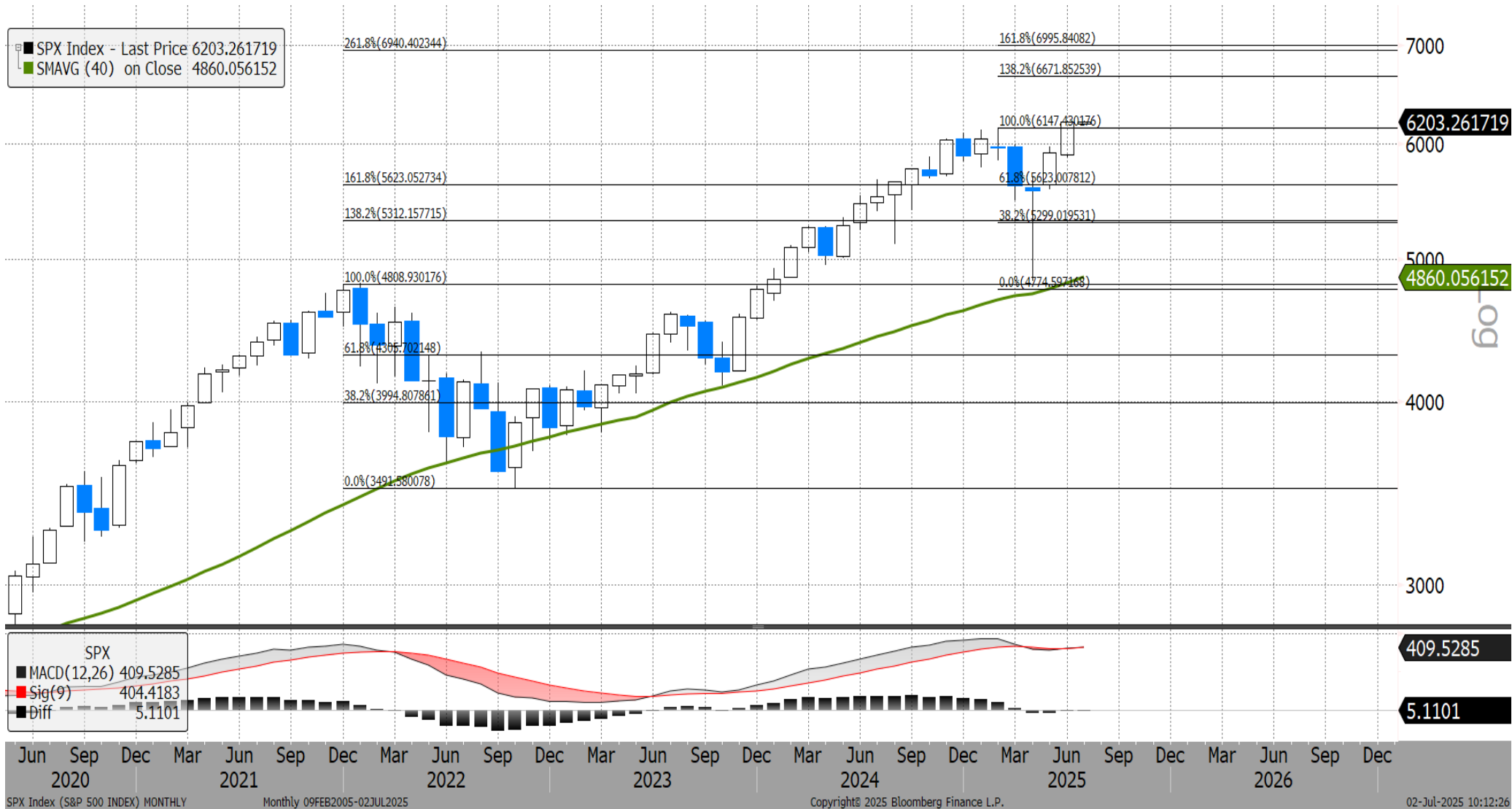
### **Macro / Key Risks:**

- Market Cap concentration still key risk but MAG7 improving. Recession risk? 6 / 12 indicators triggered but hard data remains resilient



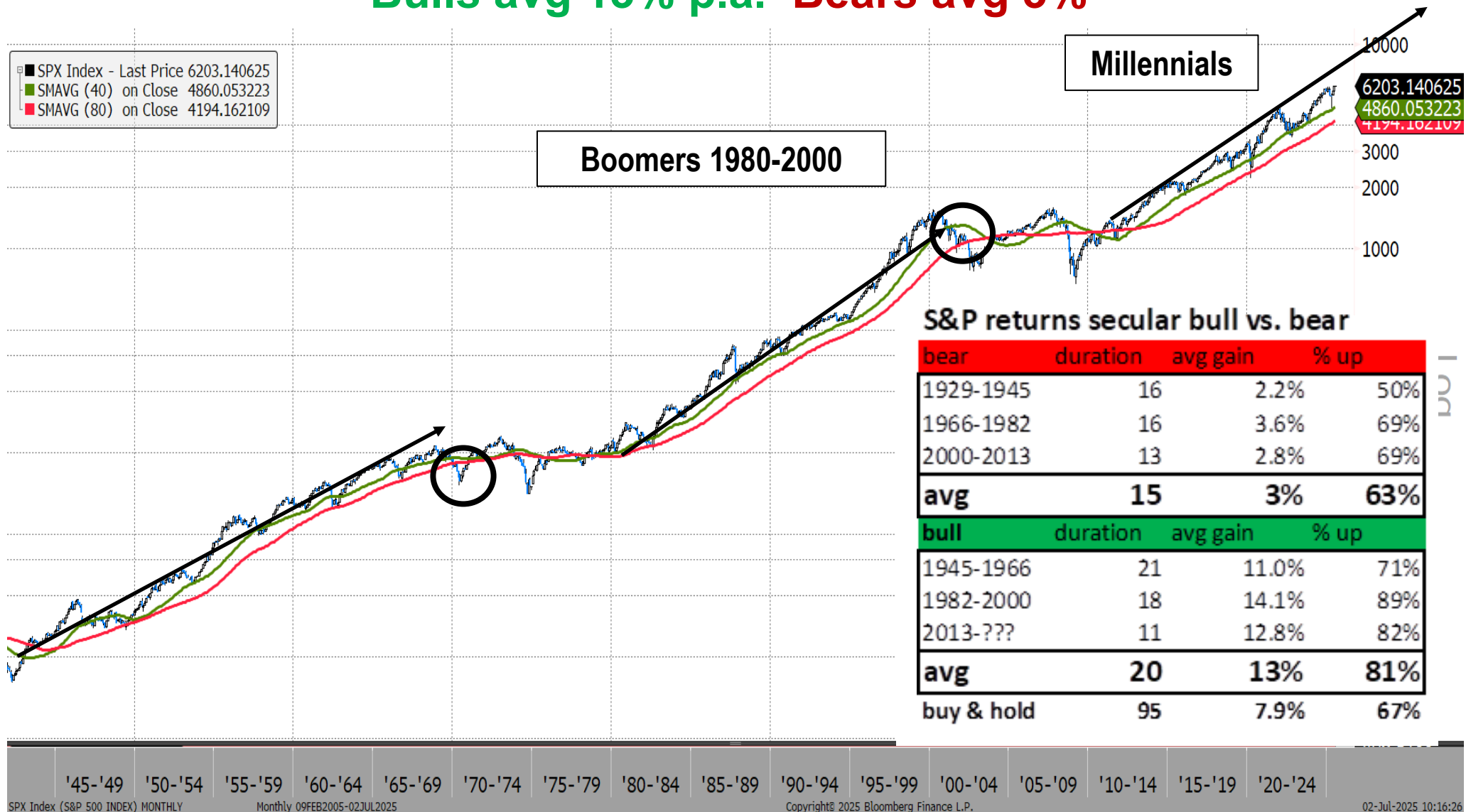
# S&P next upside targets ~6700-7000

**Fib extensions 6671 / 6940 / 6995**



# Secular Bull Intact: 2013 - 2030 / 2035?

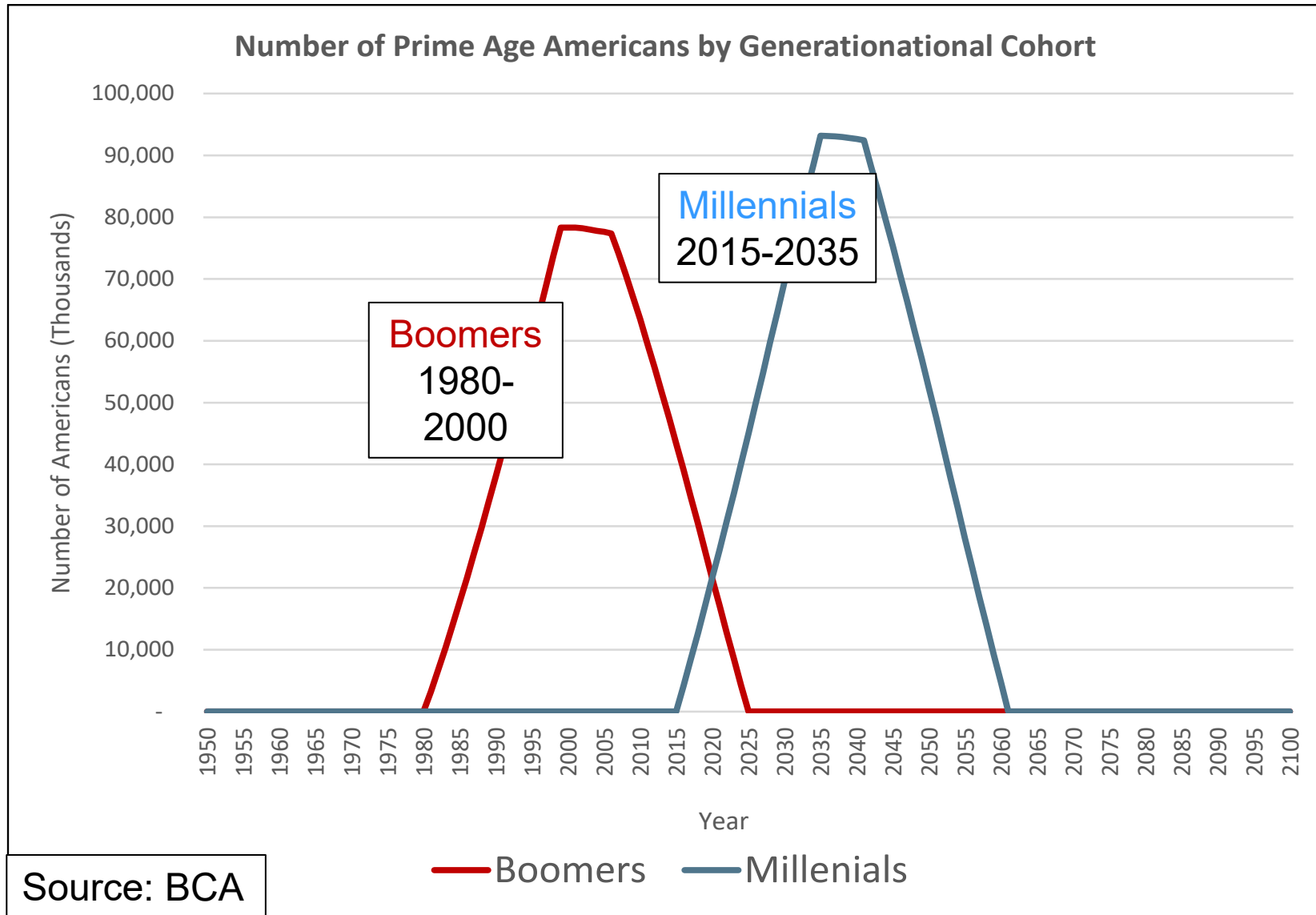
**Bulls avg 13% p.a. Bears avg 3%**



# Demographics one driver of the secular bull

## Growing prime age workforce (ages 25-54)

**Boomers 1980-2000** **Millennials 2015-2035**



## 10-Step Checklist For A Bottom: **In steps #7-9**

Checklist for a bottom:	
✓	1. Lots of Bears
✓	2. Blood in the Streets
✓	3. Buyers step in
✓	4. Retest or V-bottom?
✓	5. Many stocks turn up at once
✓	6. The Dust Settles
Starting #7-9	7. Improving Risk Appetite
	8. Sector Rotation into Cyclical
	9. "Culprits" of the bear rally
	10. Improving Macro / Earnings

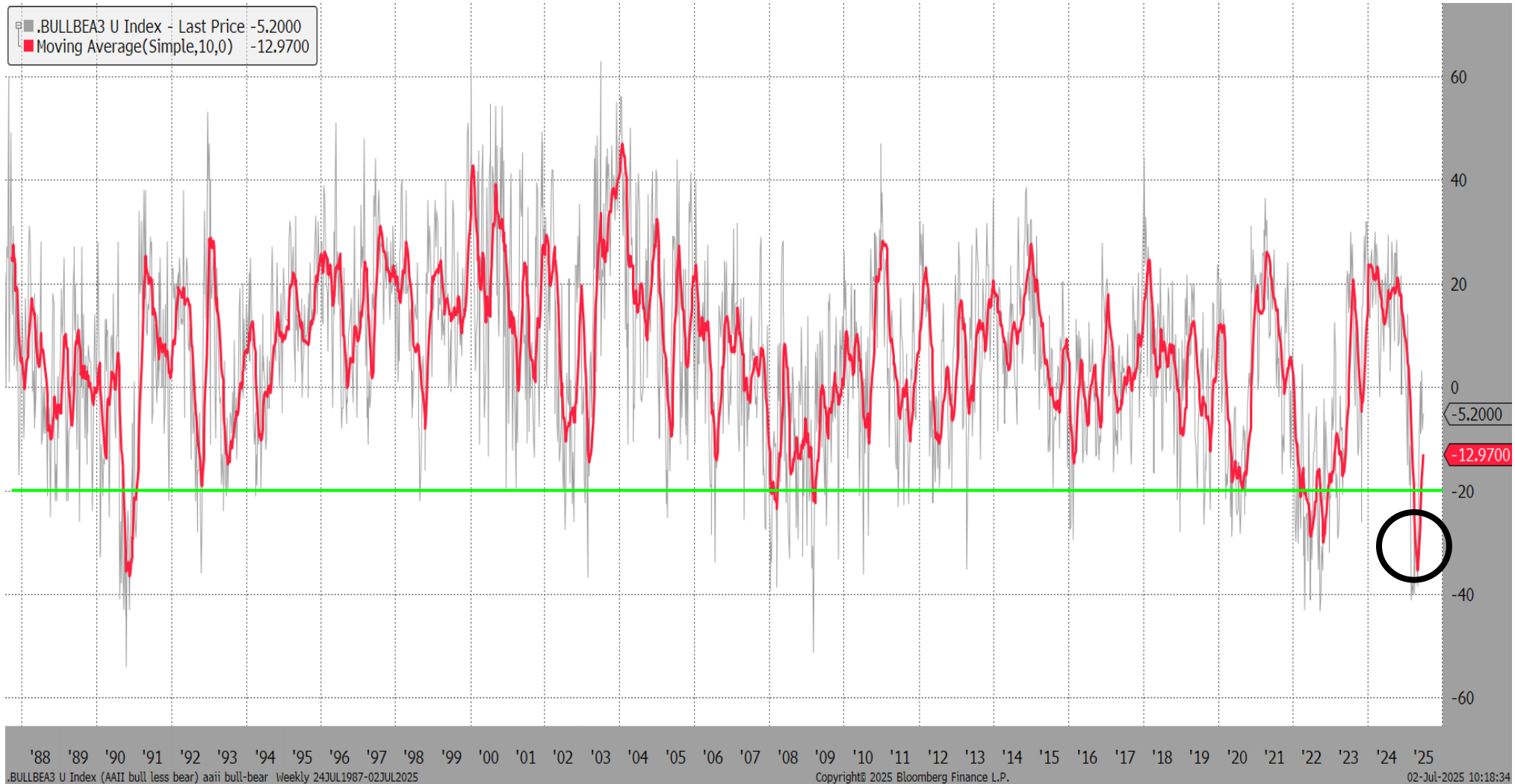




# Step #1. Lots of Bears

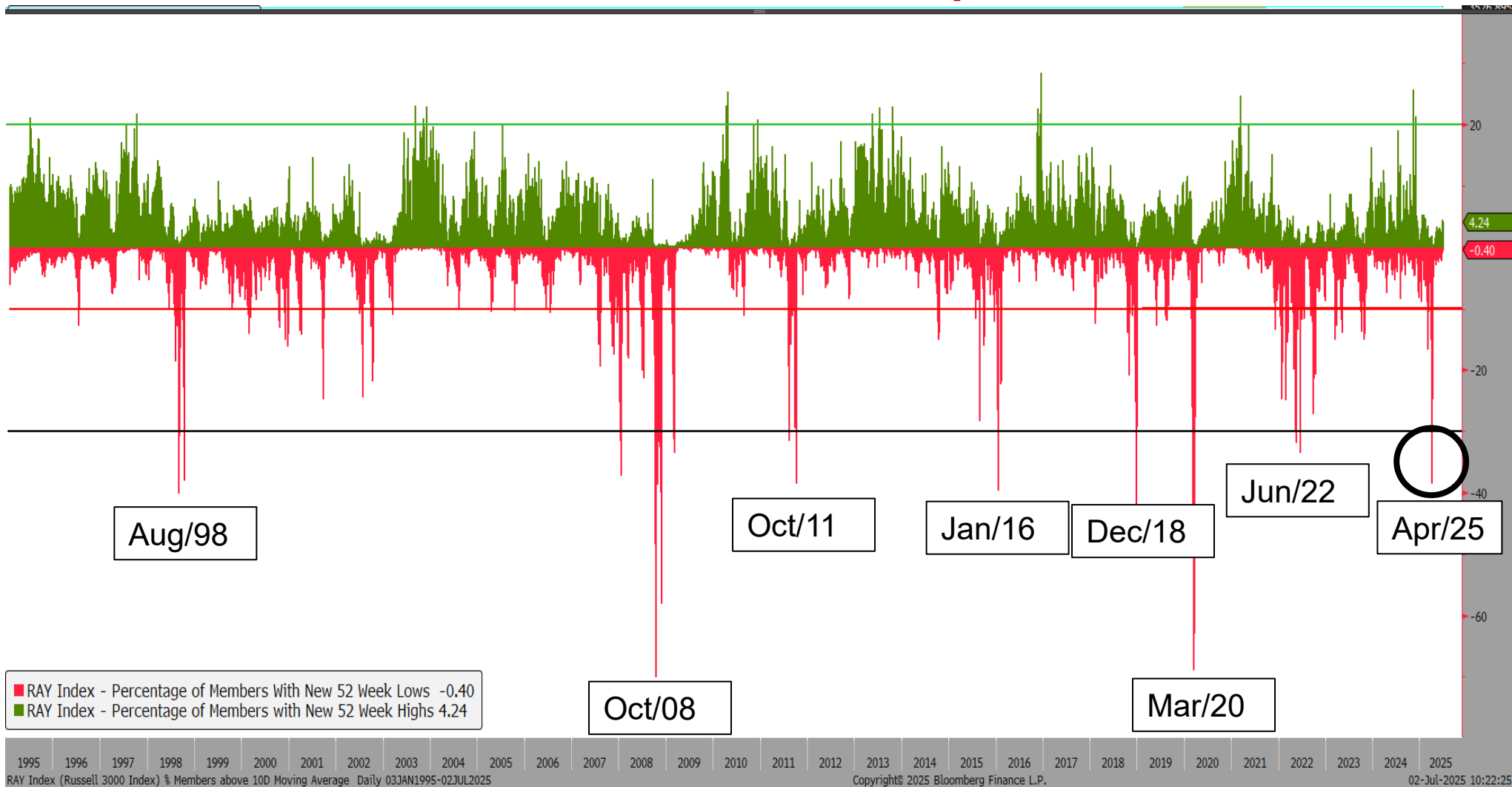
## Bulls vs. Bears extremes in April.

### Sentiment still negative despite the strong market



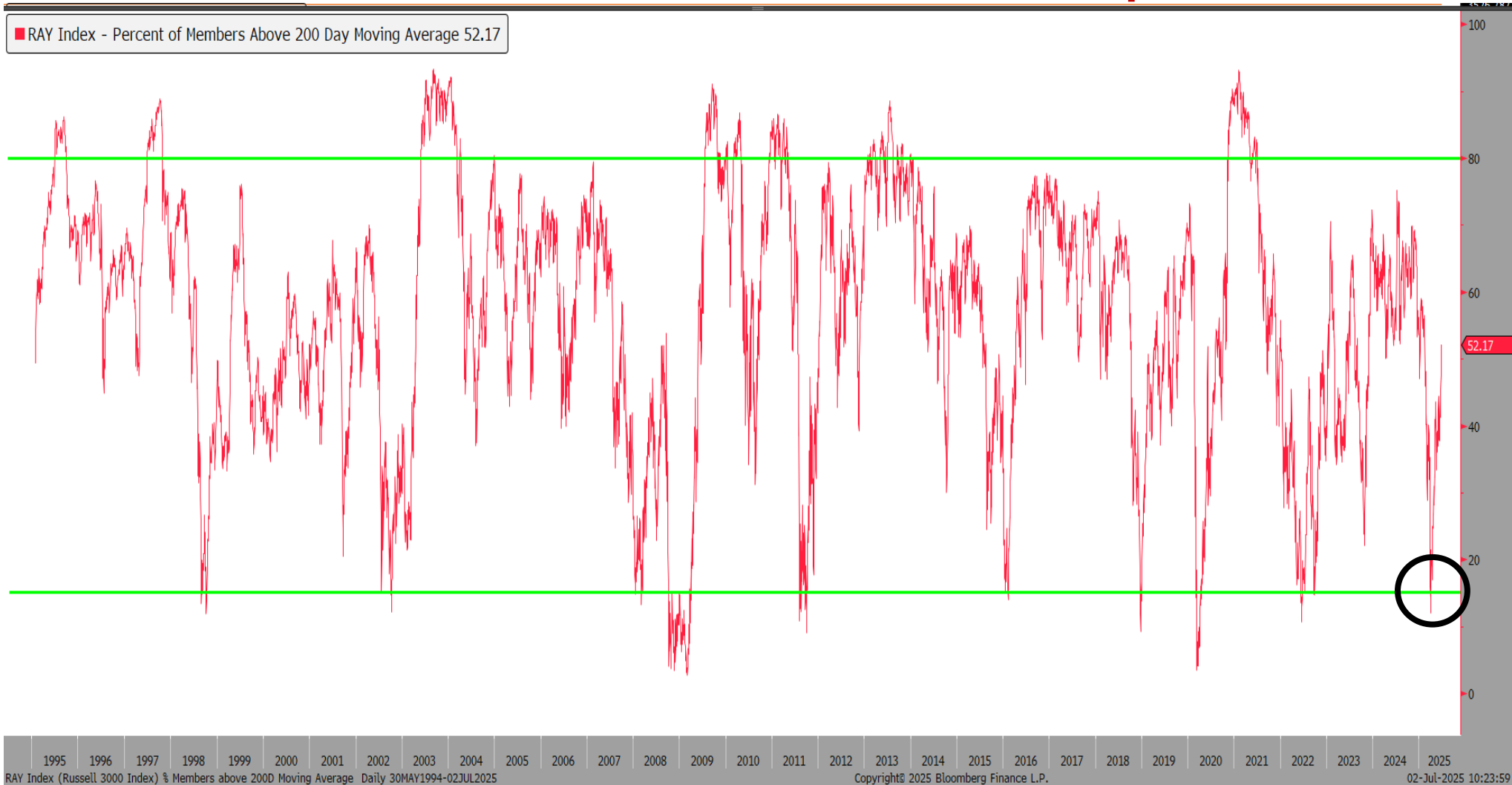
## Step #2. Blood in the Streets

**Russell 3000 52-week lows > 30% Apr. 4<sup>th</sup>.**  
**More room for breadth expansion.**



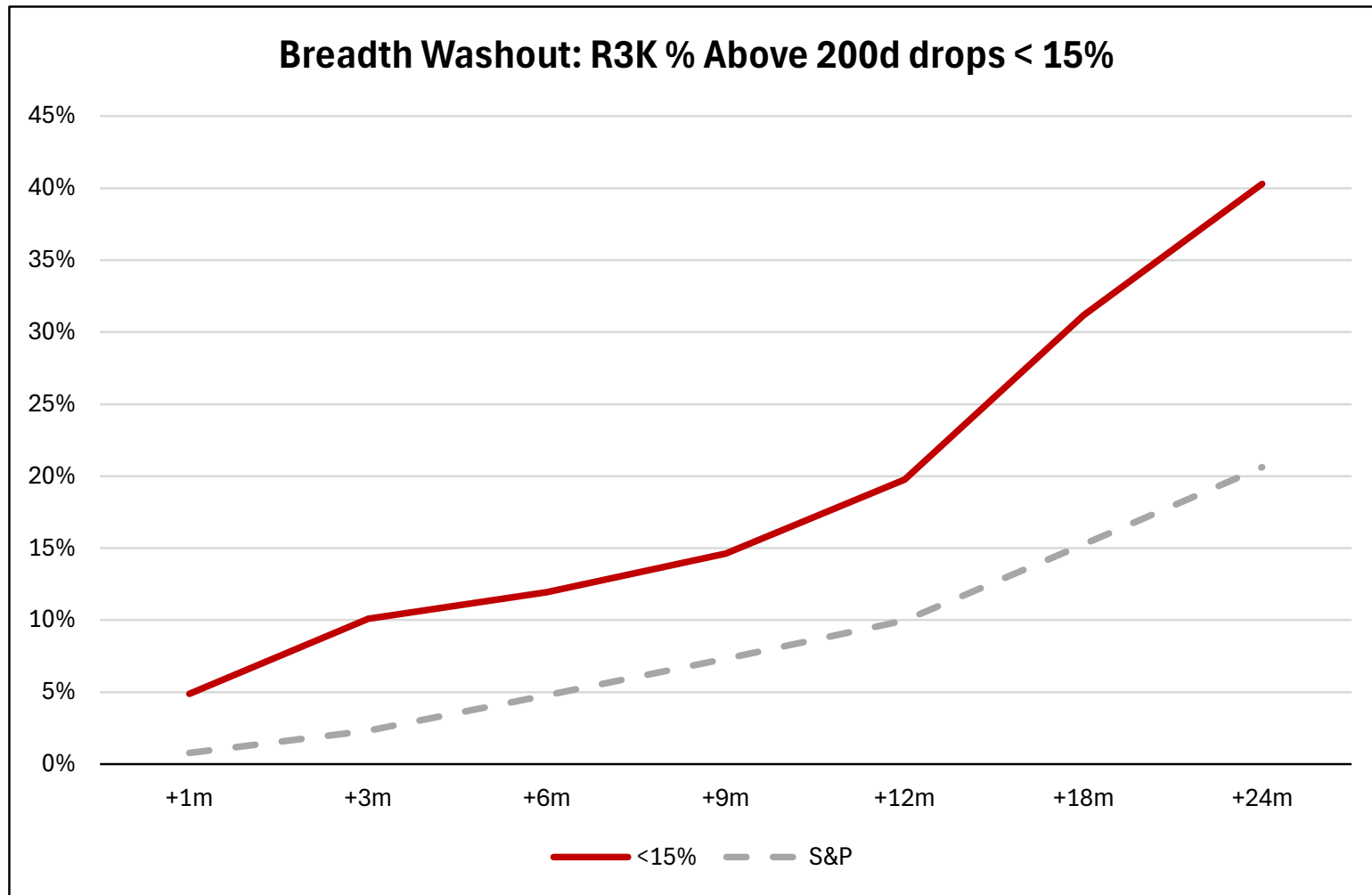
## Step #2. Blood in the Streets

**Russell 3000 % of stocks > 200-day < 15% Apr.8.  
Now neutral so more room for breadth expansion**



## Step #2. Back Test

### S&P on avg. +20% 12 months out



## Step #2. Back Test

### Works with 1 big exception, Jan/2008

<15%	+1m	+3m	+6m	+9m	+12m	+18m	+24m
2025-04-07	10.8%						
2022-09-26	5.6%	4.6%	9.5%	20.6%	22.2%	41.1%	54.5%
2022-06-13	1.8%	6.8%	5.1%	7.9%	11.5%	21.5%	41.4%
2020-03-09	-3.2%	13.3%	28.4%	32.5%	42.9%	60.4%	60.9%
2018-12-20	8.2%	14.8%	17.0%	21.6%	27.1%	24.9%	47.1%
2016-02-11	10.6%	14.0%	19.3%	14.7%	24.7%	35.4%	53.2%
2011-08-08	4.1%	12.7%	17.2%	25.4%	19.5%	32.3%	50.1%
2008-10-07	-4.4%	-6.5%	-18.6%	-6.9%	5.5%	16.4%	12.6%
→ 2008-01-22	3.8%	6.1%	-5.0%	-23.4%	-30.6%	-31.6%	-13.9%
2002-10-07	16.6%	15.8%	9.3%	24.3%	28.5%	42.9%	43.1%
1998-08-31	9.6%	24.0%	32.8%	39.0%	39.2%	48.0%	52.8%
Average	5.3%	10.6%	11.5%	15.6%	19.1%	29.1%	40.2%
Median	4.8%	13.0%	13.3%	21.1%	23.5%	33.9%	48.6%
Hit Rate	80%	90%	80%	80%	90%	90%	90%
S&P Avg	0.7%	2.2%	4.6%	7.0%	9.6%	14.8%	20.0%



## Step #3. Buyers Step In

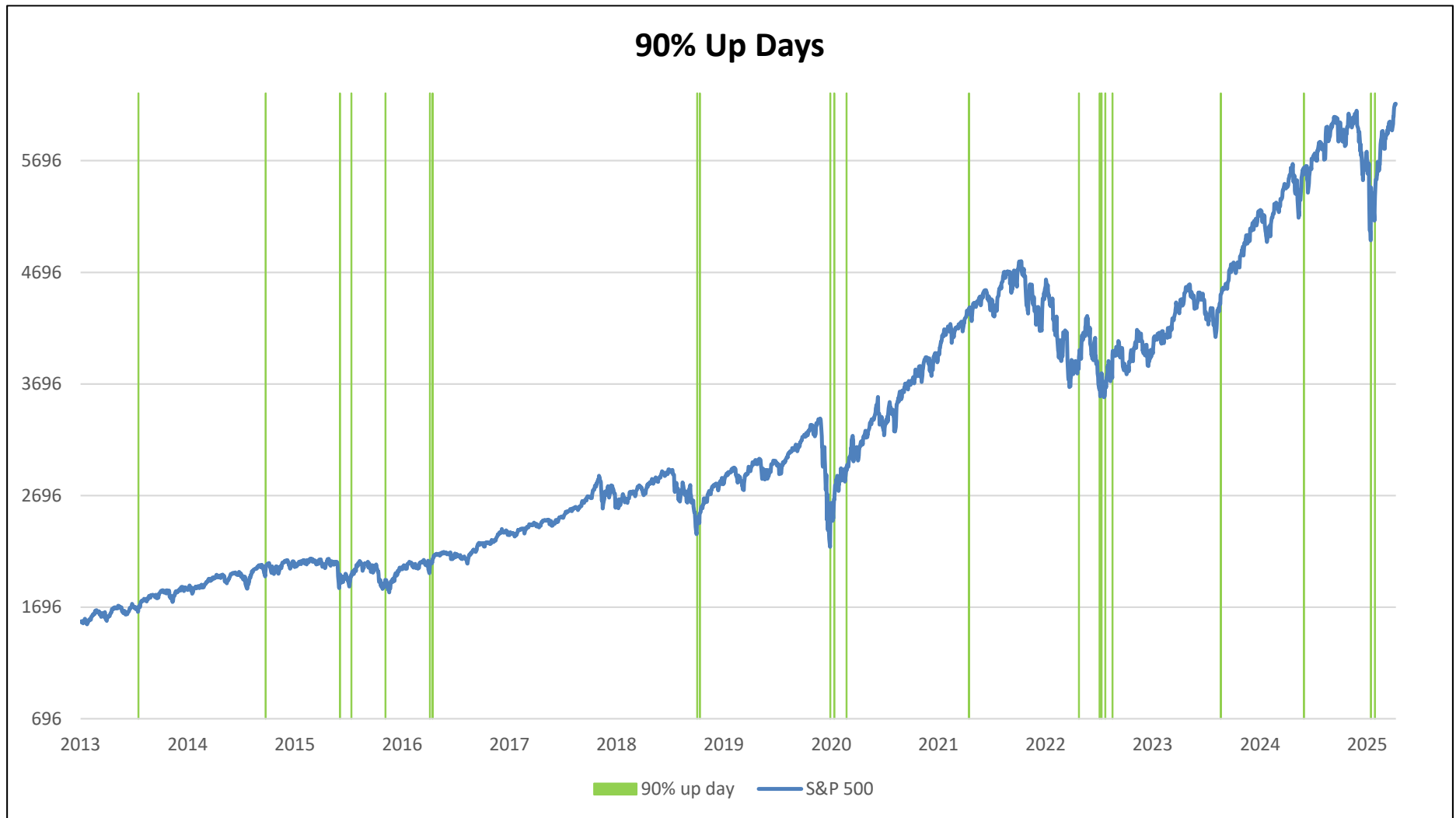
### Two 90% up days Apr. 9, 22

Date	%adv	%dec	up Vol	down Vol
2025-05-27	88%	12%	83%	17%
2025-05-26	41%	57%	46%	53%
2025-05-23	41%	57%	46%	53%
2025-05-22	41%	56%	45%	52%
2025-05-21	9%	90%	9%	90%
2025-05-20	37%	62%	41%	58%
2025-05-19	41%	57%	42%	55%
2025-05-16	70%	28%	75%	24%
2025-05-15	62%	37%	57%	42%
2025-05-14	31%	67%	38%	60%
2025-05-13	61%	38%	62%	38%
2025-05-12	81%	18%	79%	20%
2025-05-09	53%	45%	58%	39%
2025-05-08	71%	27%	71%	27%
2025-05-07	58%	40%	54%	45%
2025-05-06	36%	62%	41%	57%
2025-05-05	32%	67%	36%	63%
2025-05-02	86%	13%	84%	15%
2025-05-01	52%	46%	51%	47%
2025-04-30	42%	56%	41%	58%
2025-04-29	65%	33%	62%	37%
2025-04-28	63%	35%	70%	29%
2025-04-25	46%	52%	47%	51%
2025-04-24	82%	17%	80%	18%
2025-04-23	69%	30%	69%	30%
→ 2025-04-22	92%	7%	90%	9%
2025-04-21	13%	86%	14%	85%
2025-04-18	77%	21%	77%	21%
2025-04-17	77%	21%	77%	21%
2025-04-16	32%	67%	29%	71%
2025-04-15	45%	53%	46%	52%
2025-04-14	76%	23%	78%	21%
2025-04-11	79%	20%	81%	18%
2025-04-10	11%	89%	14%	85%
→ 2025-04-09	97%	3%	99%	1%
2025-04-08	14%	86%	11%	88%
2025-04-07	26%	73%	34%	66%
2025-04-04	7%	92%	7%	93%
2025-04-03	12%	88%	12%	88%



## Step #3. Buyers Step In

**90% up days tend to cluster at major lows**



# Step #3. Buyers Step In

## Really big up days typically happen after blood in the streets

Apr.9 +9.5%  
an 8 standard  
deviation  
event

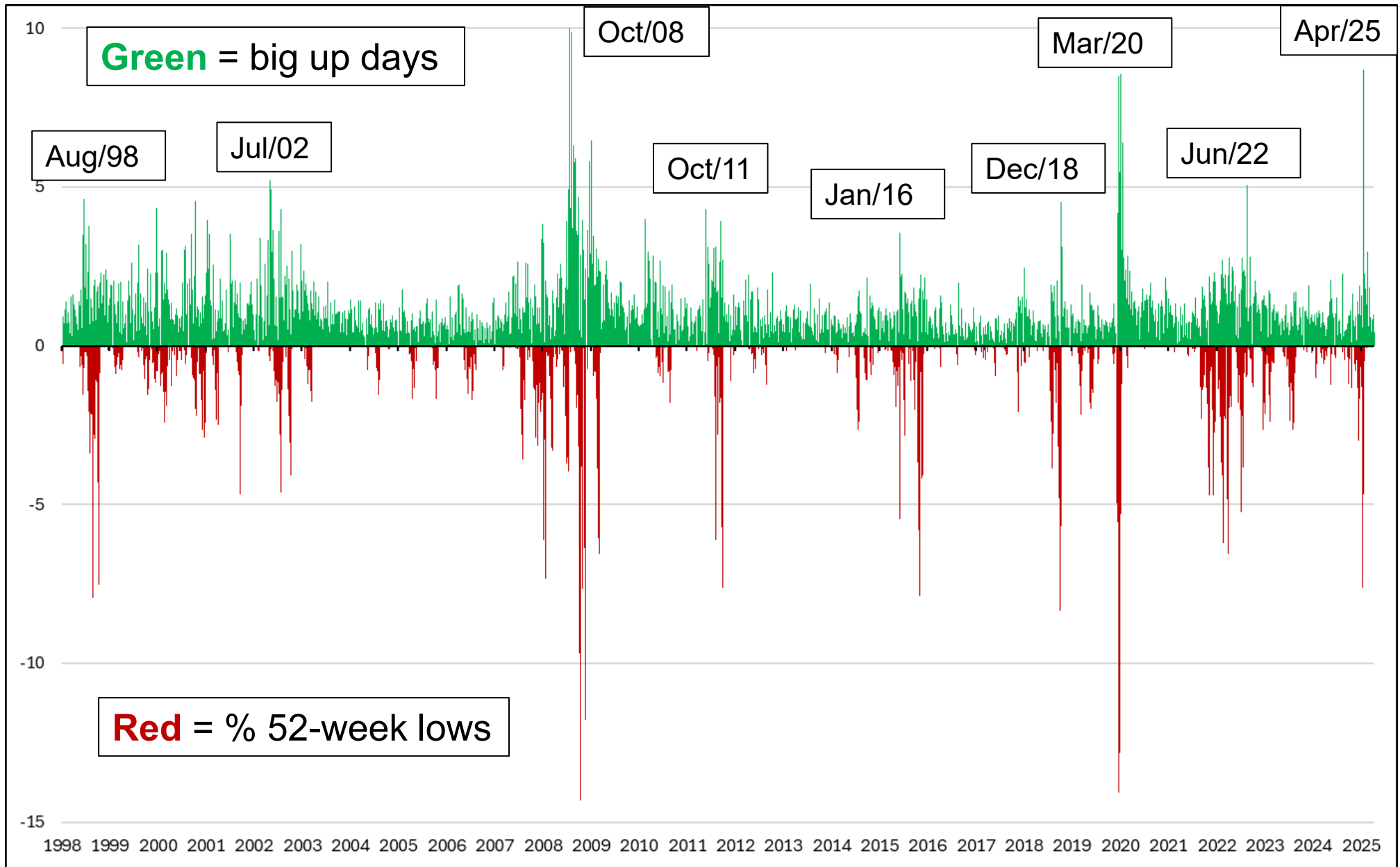
Dates	1-day chg	norm
2025-04-09	9.5%	8.0
2022-11-10	5.5%	4.7
2020-04-06	7.0%	5.9
2020-03-26	6.2%	5.3
2020-03-24	9.4%	7.9
2020-03-17	6.0%	5.1
2020-03-13	9.3%	7.8
2020-03-10	4.9%	4.2
2018-12-26	5.0%	4.2
2009-03-23	7.1%	6.0
2009-03-10	6.4%	5.4
2008-12-16	5.1%	4.3
2008-11-24	6.5%	5.5
2008-11-21	6.3%	5.3
2008-11-13	6.9%	5.8
2008-10-28	10.8%	9.1
2008-10-20	4.8%	4.0
2008-10-13	11.6%	9.8
2008-09-30	5.4%	4.6
2002-07-29	5.4%	4.6
2002-07-24	5.7%	4.8
2001-01-03	5.0%	4.2
2000-03-16	4.8%	4.0
1998-09-08	5.1%	4.3
1997-10-28	5.1%	4.3
1987-10-29	4.9%	4.1
1987-10-21	9.1%	7.7
1987-10-20	5.3%	4.5
1982-08-17	4.8%	4.0





## Step #3. Buyers Step In

The biggest up days typically happen after blood in the streets



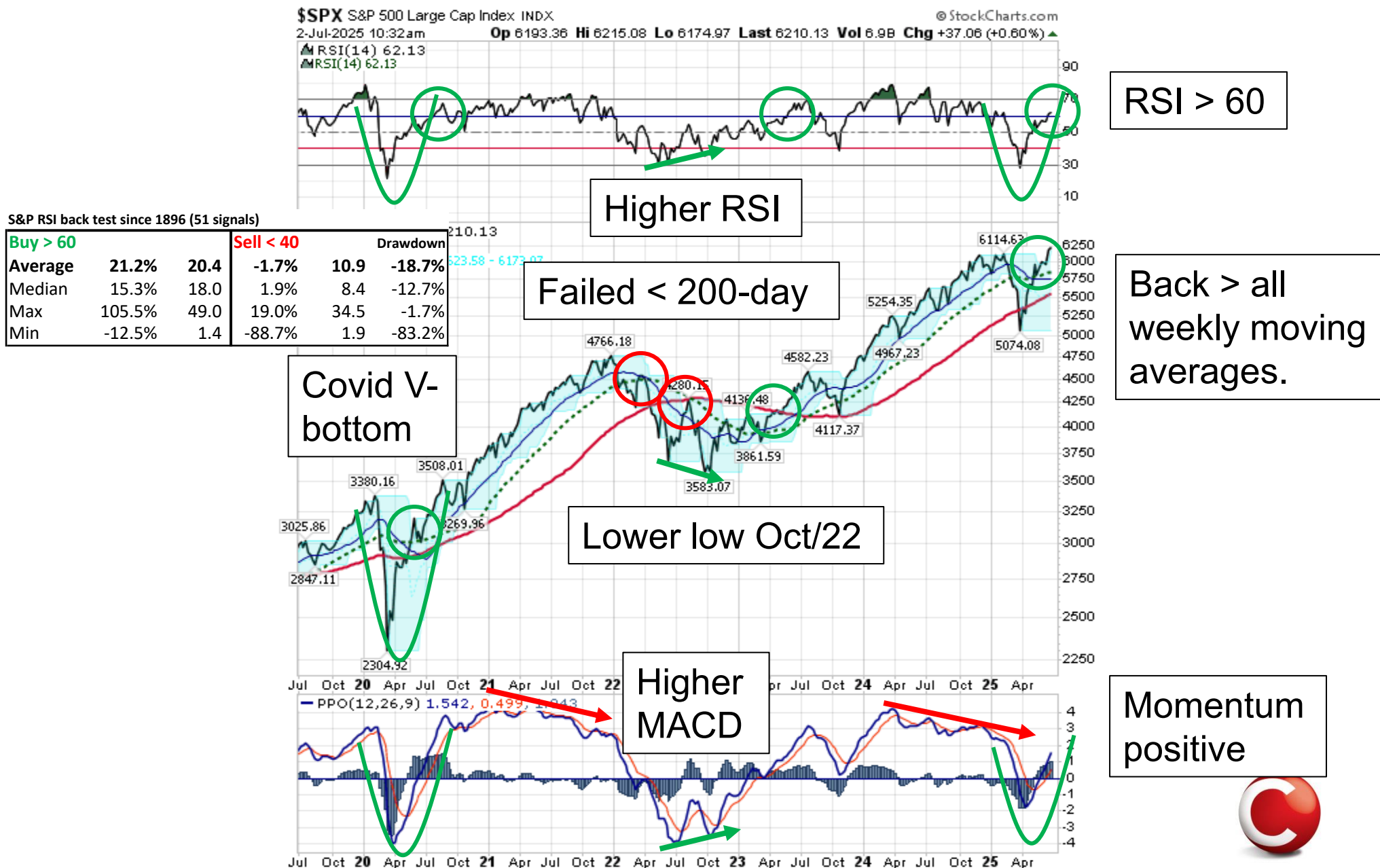
# Step #4. Retest or V-Bottom?

## The world ex-US V-bottomed first

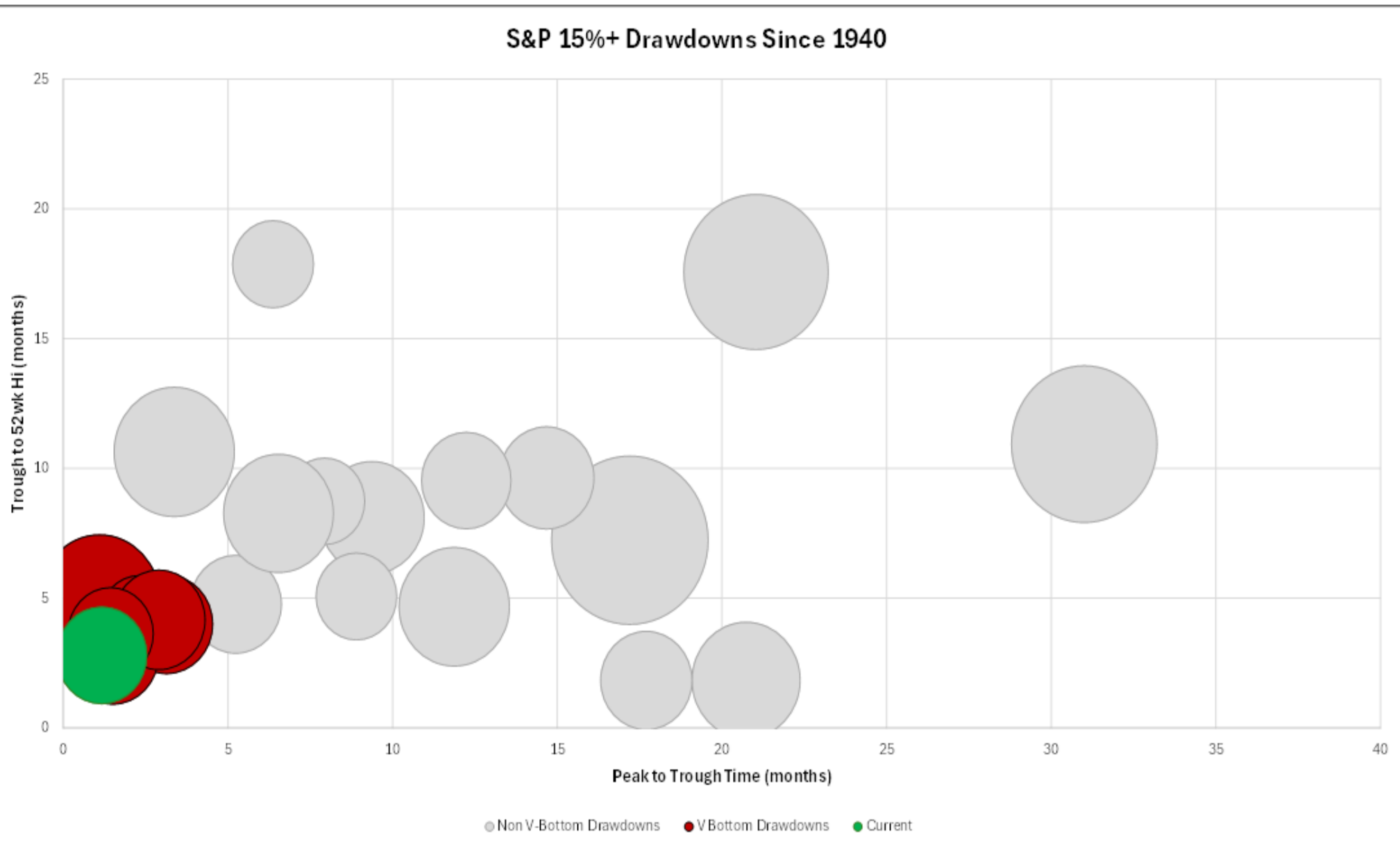


# Step #4. Retest or V-Bottom?

## S&P V-Bottomed similar to Covid, no retest like 2022



## Step #4. Retest or V-Bottom? **V-Bottoms 7 / 23 times (30%)**



Bubble size = Size of Drawdown



## Step #4. Retest or V-Bottom? **V-Bottoms 7 / 23 times (30%)**

S&P 15%+ drawdowns since 1940

V-bottoms occurred 7 / 22 instances (32%)

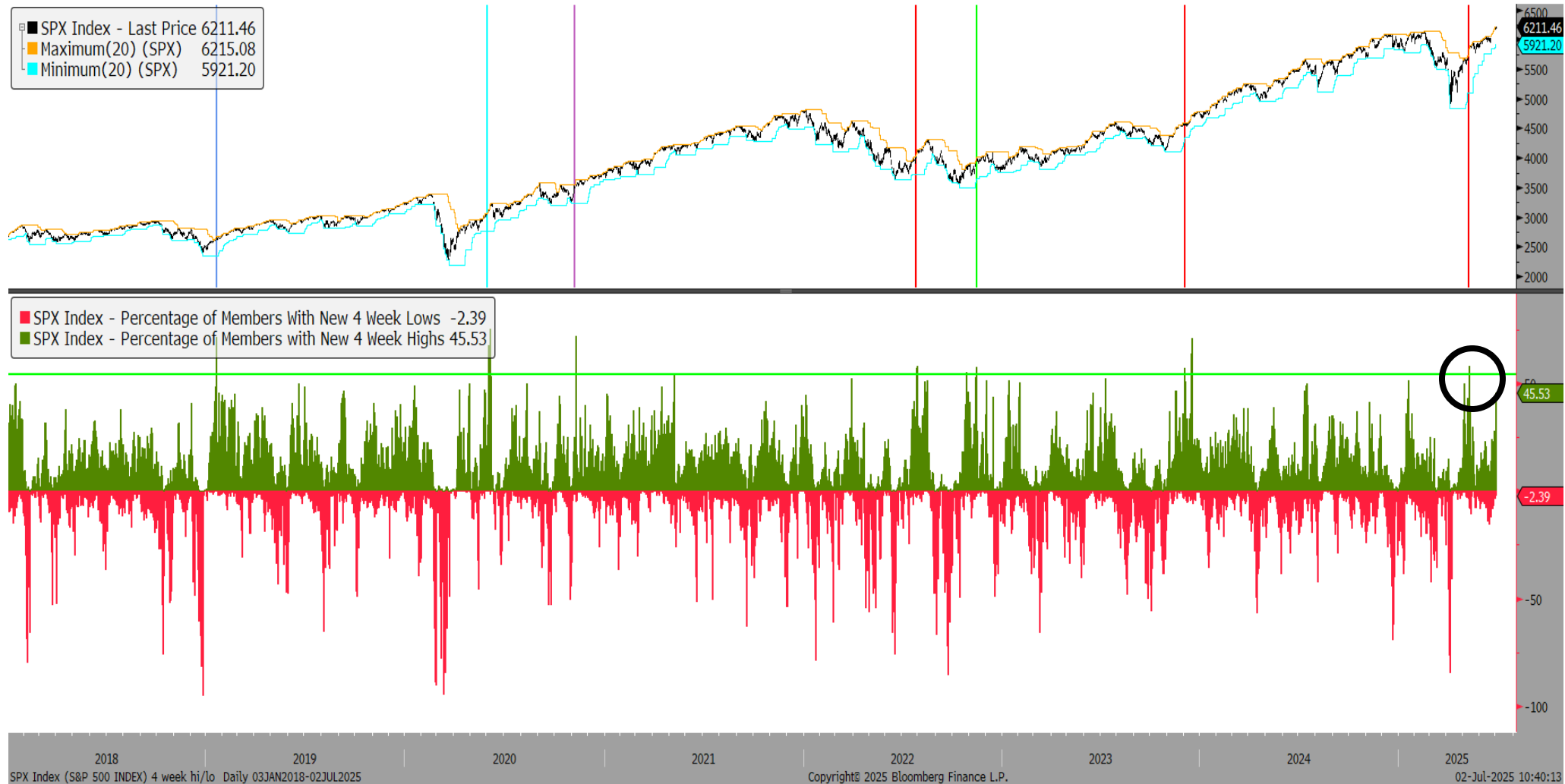
	Date of peak	Peak to Trough	Trough to 52wk hi	Peak to 52wk hi	Draw-down
→	2025-02-28	1	3	4	-18.9%
	2022-01-04	9	8	17	-25.4%
→	2020-02-19	1	5	6	-33.9%
→	2018-09-21	3	4	7	-19.7%
	2015-05-20	9	5	14	-15.2%
	2011-04-29	5	5	10	-19.4%
→	2010-04-23	2	4	7	-16.0%
	2007-10-10	17	7	24	-56.7%
	2000-03-23	31	11	42	-49.1%
→	1998-07-17	2	3	4	-19.3%
→	1990-07-16	3	4	7	-19.9%
	1987-08-25	3	11	14	-33.5%
	1980-11-28	21	2	23	-27.1%
→	1980-02-13	1	4	5	-17.1%
	1976-09-21	18	18	35	-19.4%
	1973-01-11	21	9	30	-48.2%
	1968-11-29	8	18	26	-15.1%
	1966-02-09	6	8	15	-15.4%
	1961-12-12	7	10	16	-28.0%
	1956-08-08	15	10	24	-21.0%
	1948-06-15	12	5	17	-18.7%
	1946-05-28	12	12	24	-28.3%
Average		9	7	17	-25.7%
Median		7	6	15	-19.8%
V-Bottom		7	32%		



# Step #5. Many stocks turn up at once

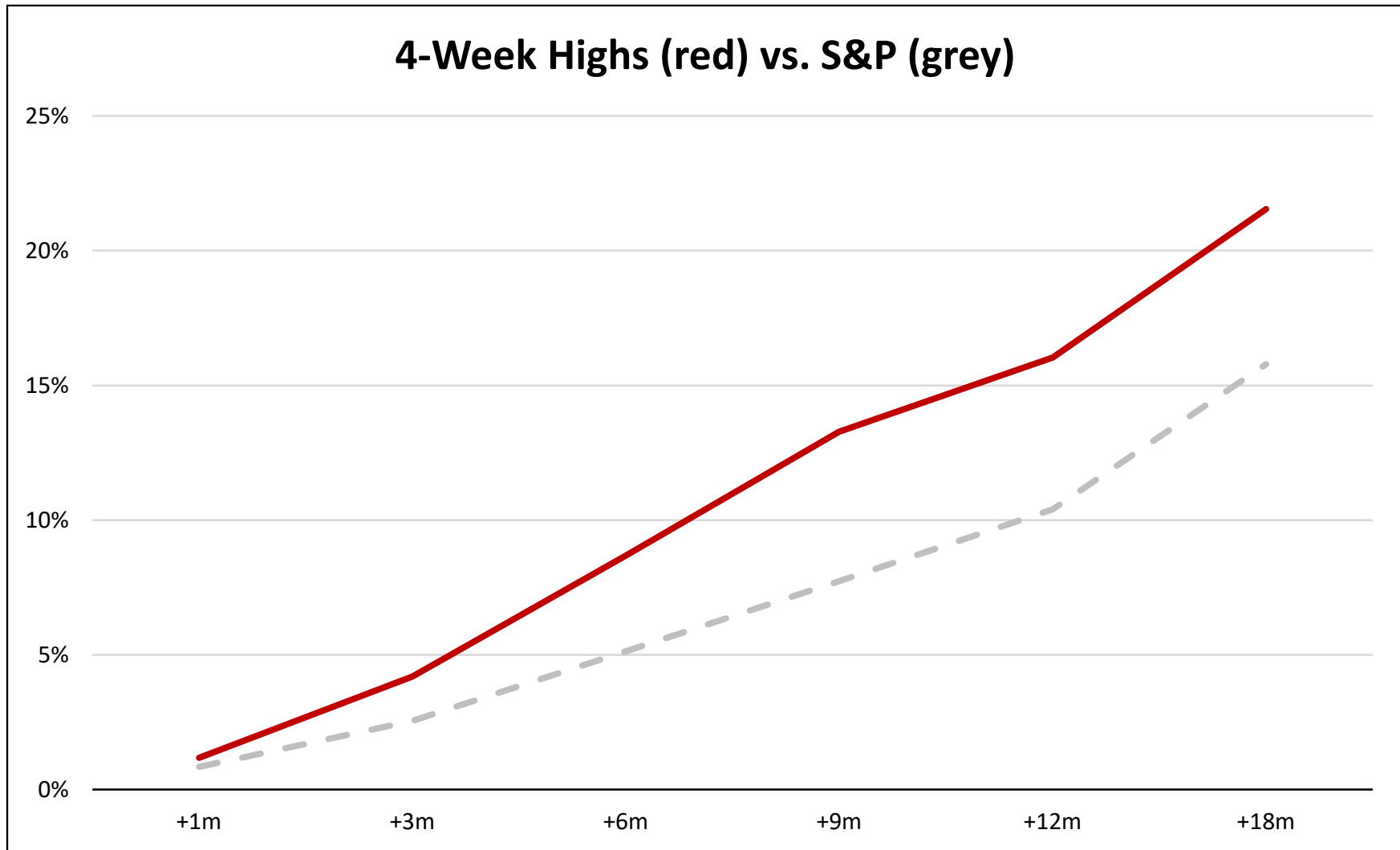
## 4-week Highs > 50% on May.12 (Renmac Jeff DeGraaf)

4 week hi/lo



# Forward Returns

## S&P avg +16% over 12 months



# Forward Returns: +16% with 97% hit rate

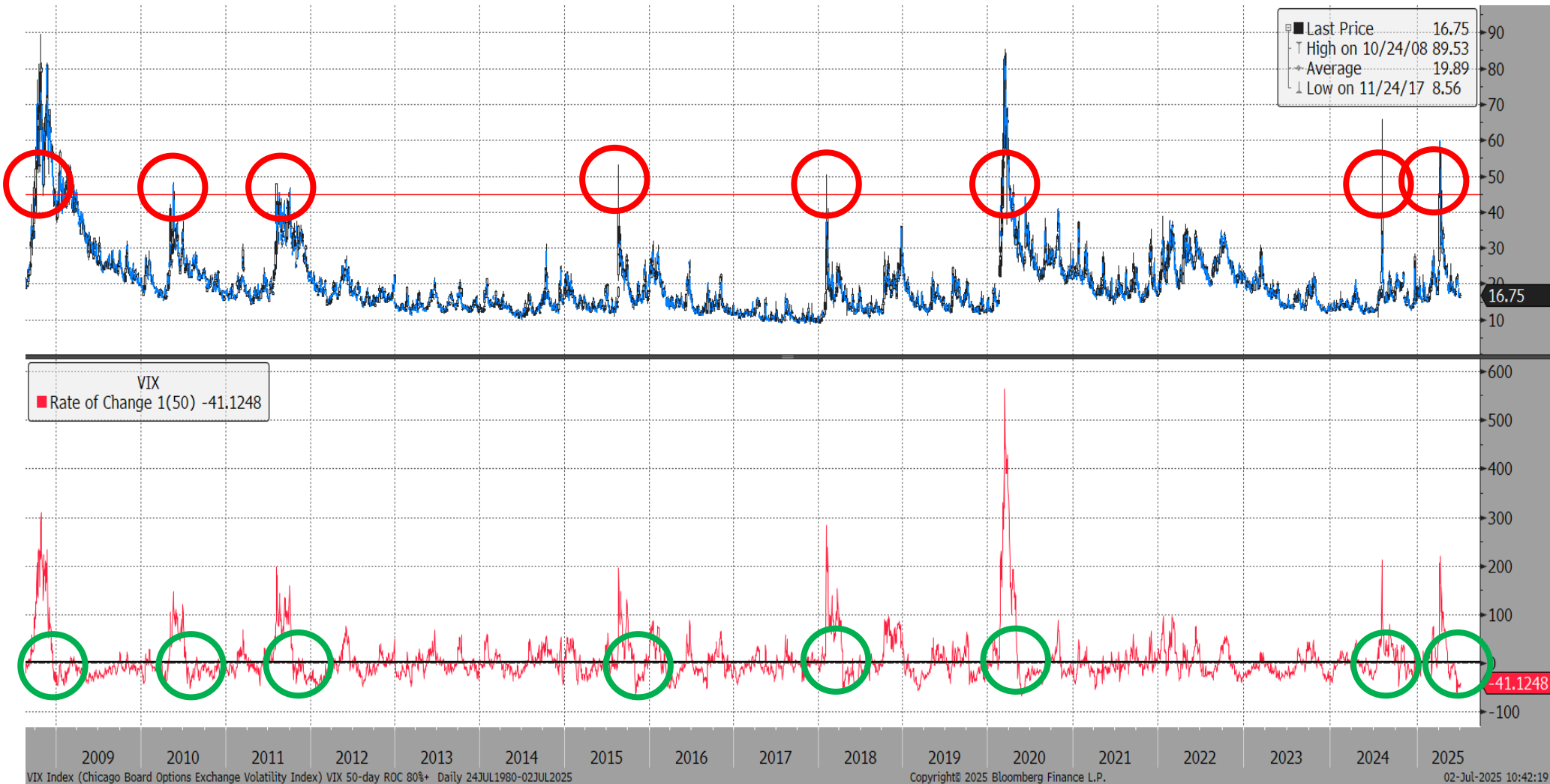
S&P Return						
Dates	+1m	+3m	+6m	+9m	+12m	+18m
05-Jan-79	-1.0%	4.2%	4.5%	11.1%	7.5%	18.5%
23-Aug-82	6.8%	18.0%	27.5%	39.6%	41.2%	34.1%
11-Oct-82	6.4%	9.2%	15.4%	25.0%	27.0%	15.6%
02-Aug-84	5.5%	5.1%	13.7%	13.3%	21.6%	32.5%
11-Feb-91	1.6%	2.2%	5.3%	6.6%	12.3%	13.8%
30-Dec-91	-1.2%	-2.9%	-1.5%	0.4%	5.8%	8.8%
05-May-97	1.2%	14.5%	10.2%	21.2%	34.4%	33.9%
04-Mar-02	-2.5%	-9.8%	-20.6%	-18.9%	-28.8%	-11.4%
21-Mar-03	1.7%	11.2%	15.7%	21.6%	22.3%	26.1%
04-Jun-03	-0.1%	4.1%	8.2%	17.1%	13.2%	20.7%
02-Sep-03	-0.4%	4.7%	12.6%	10.1%	8.2%	18.4%
04-Nov-04	2.5%	3.6%	0.8%	5.6%	5.0%	14.0%
23-Mar-09	2.5%	8.5%	29.4%	34.0%	42.7%	38.5%
23-Jul-09	5.1%	10.8%	11.8%	24.7%	12.9%	31.5%
16-Sep-09	2.6%	3.7%	9.1%	4.4%	5.2%	19.2%
05-Mar-10	4.5%	-6.5%	-4.3%	7.3%	16.0%	5.8%
26-Jul-10	-5.7%	6.1%	15.8%	19.8%	19.9%	17.9%
20-Sep-10	2.0%	8.9%	13.6%	11.9%	5.4%	23.0%
01-Jul-11	-6.4%	-15.5%	-6.1%	5.9%	1.9%	8.9%
21-Oct-11	-3.7%	6.2%	10.8%	8.1%	15.8%	27.8%
13-Sep-12	-2.2%	-3.2%	6.1%	13.1%	16.8%	27.5%
19-Dec-12	4.0%	8.4%	10.9%	19.1%	26.0%	36.7%
11-Jul-13	1.0%	-1.1%	9.7%	9.4%	17.5%	22.1%
18-Sep-13	0.4%	3.2%	8.5%	13.6%	16.6%	22.2%
31-Oct-14	2.4%	1.6%	3.5%	3.7%	4.3%	1.6%
18-Jan-19	4.3%	8.9%	11.8%	11.8%	24.3%	22.0%
03-Jun-20	0.2%	12.9%	17.3%	20.7%	34.3%	44.5%
28-Jul-22	-0.4%	-5.9%	0.0%	2.4%	12.7%	20.9%
28-Oct-22	1.5%	4.5%	5.6%	15.7%	7.5%	29.8%
01-Dec-23	2.4%	10.5%	15.2%	20.1%	31.7%	30.6%
12-May-25	3.0%					
Average	1.2%	4.2%	8.7%	13.3%	16.0%	21.8%
Median	1.5%	4.6%	10.0%	12.5%	15.9%	22.0%
Hit Rate	67%	77%	83%	97%	97%	97%
S&P Avg	0.8%	2.5%	5.0%	7.6%	10.3%	15.9%





## Step #6 The Dust Settles

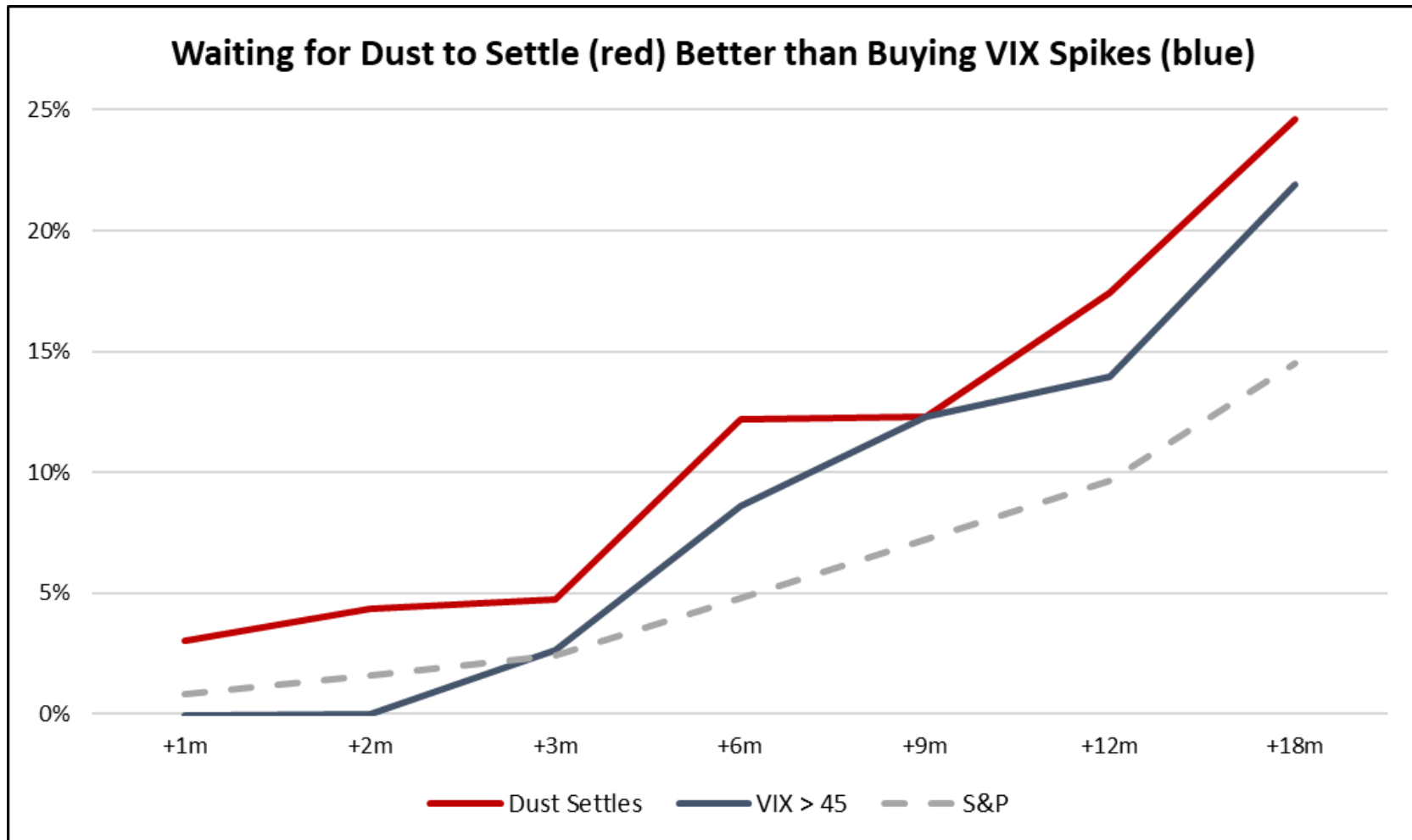
**The Dust Settles:  $VIX > 45$  then 50-day ROC drops  $< 0$ .  
Fastest ever, just 1.3 months.**



## Step #6 The Dust Settles

**VIX spike > 45 vs.**

**Waiting for dust to settle (VIX 50-day ROC < zero)**



# Step #6 The Dust Settles

VIX spike > 45 vs.

Waiting for dust to settle (VIX 50-day ROC < zero)

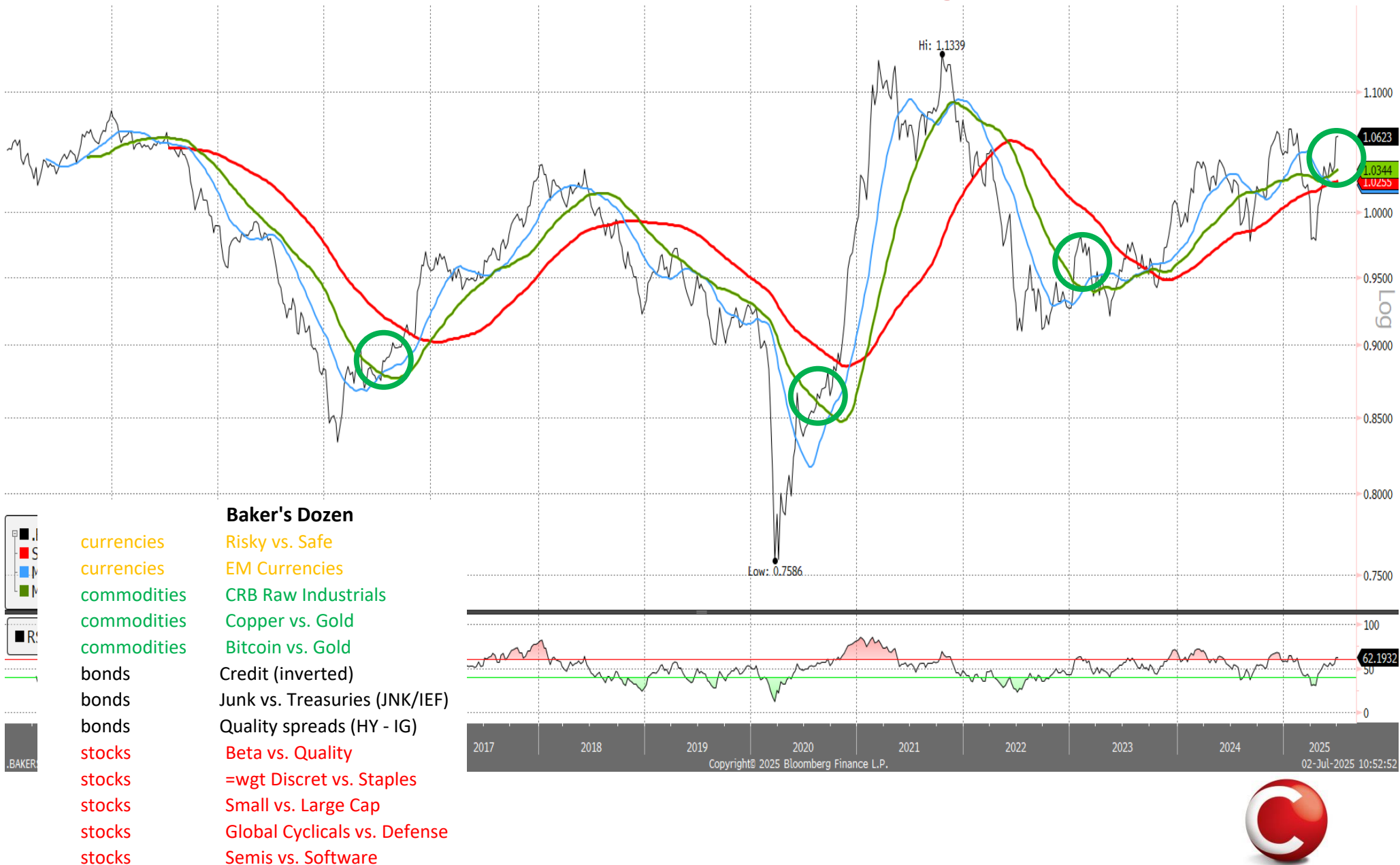
Vix > 45 then 50-day ROC < zero

VIX > 45	VIX 50-Day ROC < 0									Max	
		+1m	+2m	+3m	+6m	+9m	+12m	+18m		Drawdown	# months
1987-10-16	1987-12-30	4.0%	8.4%	5.3%	10.8%	9.3%	12.9%	31.1%		-20%	2.5
1989-10-16	1989-12-26	-6.5%	-7.1%	-3.2%	3.3%	-8.7%	-6.3%	8.5%		-4%	2.4
1990-08-06	1990-10-22	1.2%	5.7%	6.4%	25.0%	22.4%	21.8%	28.6%		-13%	2.6
1997-10-28	1998-01-09	8.5%	13.8%	18.3%	22.9%	6.7%	31.2%	40.1%		-6%	2.4
1998-08-31	1998-10-26	11.4%	15.1%	15.0%	25.4%	32.1%	20.5%	42.3%		-10%	1.9
2001-09-21	2001-11-19	0.6%	-0.3%	-3.4%	-4.5%	-20.9%	-21.0%	-18.6%		-4%	2.0
2002-07-23	2002-09-26	7.6%	10.4%	7.9%	4.5%	20.2%	24.4%	35.8%		-15%	2.2
2008-09-29	2008-12-17	-4.0%	-6.6%	-12.1%	6.9%	16.7%	24.6%	20.9%		-35%	2.6
2009-01-20	2009-03-25	4.0%	6.5%	7.5%	28.3%	33.2%	38.1%	31.1%		-22%	2.1
2010-05-20	2010-07-19	1.0%	3.8%	8.6%	18.7%	22.2%	24.9%	16.1%		-8%	2.0
2011-08-08	2011-10-14	4.7%	0.9%	7.9%	13.1%	12.8%	20.8%	30.7%		-10%	2.2
2015-08-24	2015-10-29	0.1%	0.0%	-9.4%	0.4%	4.1%	2.9%	12.8%		-6%	2.2
2018-02-06	2018-04-17	0.4%	2.6%	3.3%	0.7%	-5.0%	6.8%	9.9%		-7%	2.3
2020-02-28	2020-05-08	9.4%	8.2%	14.3%	15.0%	26.8%	42.8%	55.3%		-28%	2.3
2024-08-05	2024-09-26	1.1%	5.1%	-1.4%	4.1%					-4%	1.7
2025-04-04	2025-05-12	2.3%								-5%	1.3
10w ROC < 0	Average	3%	4%	5%	12%	12%	17%	25%		-12.4%	2.2
dust settles	Median	3%	5%	7%	12%	15%	21%	30%		-9.1%	2.2
		86%	71%	71%	93%	79%	86%	93%	8/16 > 10%		
When VIX > 45	Average	0%	0%	3%	9%	12%	14%	22%			
	Median	2%	0%	2%	11%	13%	17%	24%			
	Hit Rate	64%	50%	57%	93%	93%	71%	86%			
	S&P Avg	1%	2%	2%	5%	7%	10%	15%			



# Step #7 Improving Risk Appetite

## Baker's Dozen chart turning up



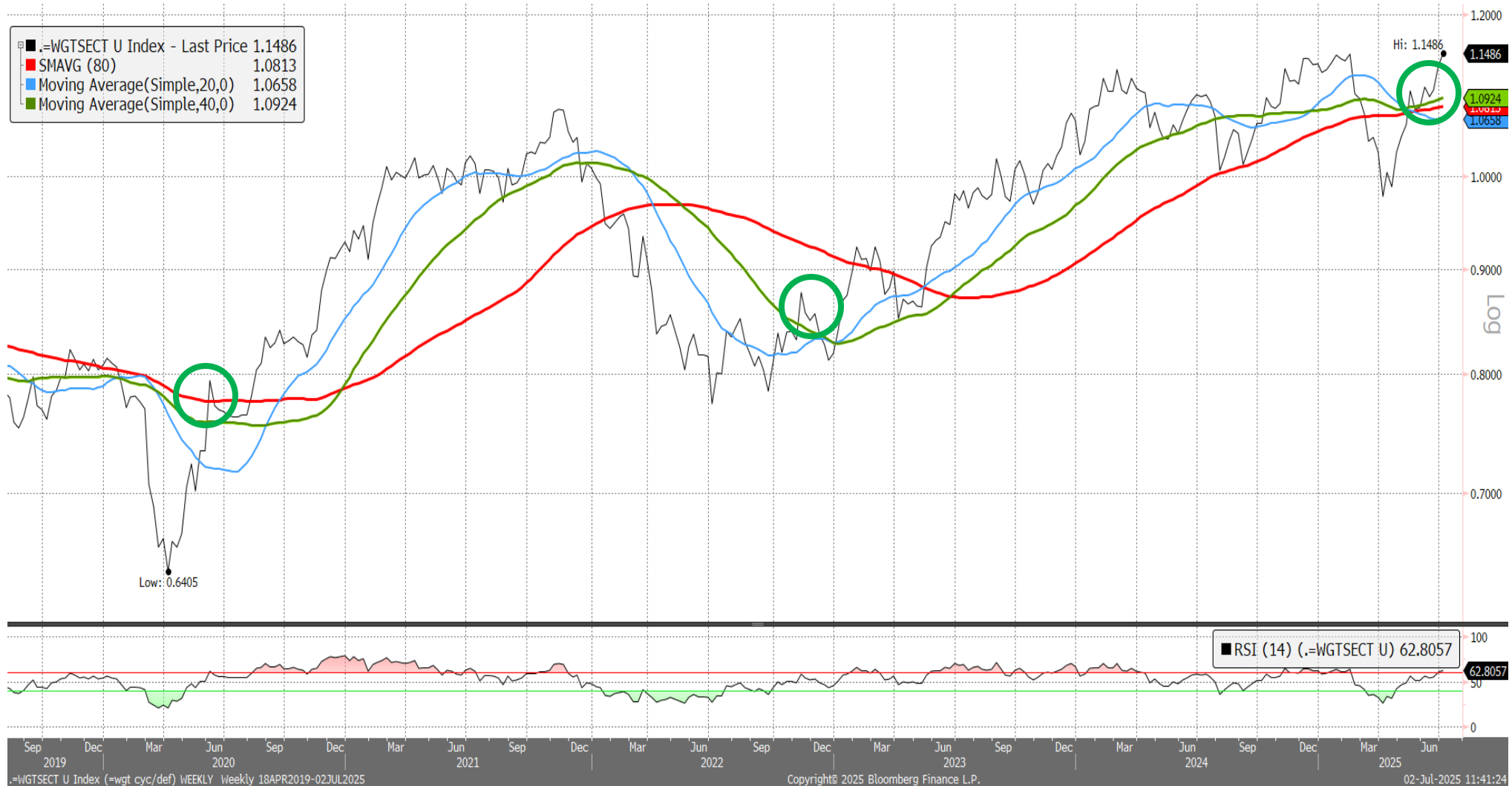
# Step #7 Improving Risk Appetite

## Credit market improving along with S&P



# Step #8 Sector Rotation into Cyclical

**US =wgt (Industrials + Tech + Discretionary) vs. (Staples + Health Care + Utes)**

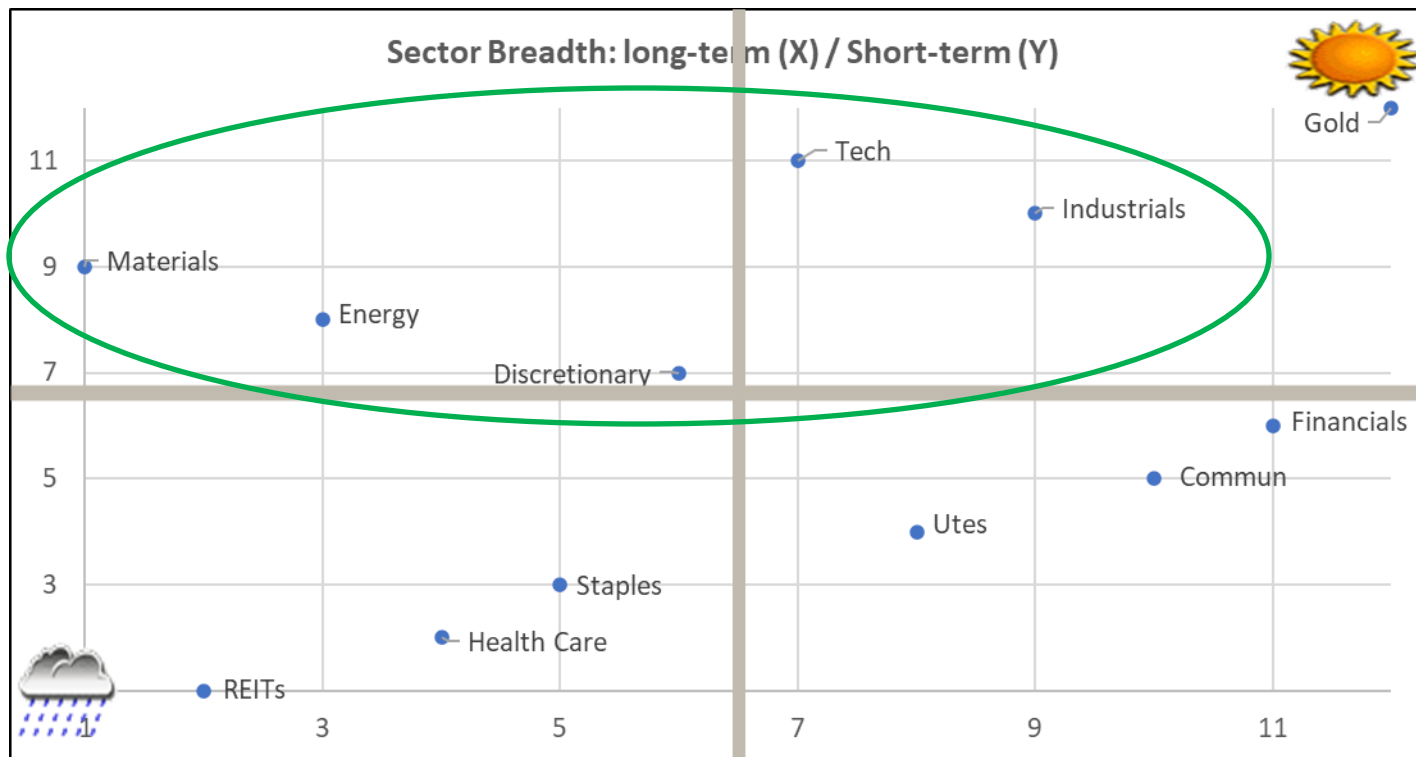


# Step #8 Sector Rotation into Cyclical

## Cyclicals improving

North America Sector Breadth:

Sector	2025												Current	3-mon chg	Short-term
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun			
Gold	1	1	1	1	1	2	2	1	2	1	1	1	1	-	1
Financials	2	2	2	2	2	1	1	2	1	2	2	3	2	-	7
Communication Services	7	8	8	8	7	6	3	4	5	4	4	4	3	1	8
Industrials	5	6	6	6	6	4	7	6	7	7	6	6	4	2	3
Utilities	8	3	4	3	3	3	4	5	3	3	3	2	5	(2)	9
Information Technology	3	4	5	5	7	7	5	3	4	5	9	7	6	3	2
Consumer Discretionary	9	11	9	8	8	8	6	7	6	11	7	8	7	-	6
Consumer Staples	11	10	11	11	12	12	9	11	8	6	5	5	8	(3)	10
Health Care	10	9	10	10	10	10	12	9	11	10	10	10	9	1	11
Energy	6	12	12	12	12	11	10	8	10	9	11	11	10	1	5
Real Estate	12	5	3	4	5	11	10	10	9	8	8	9	11	(3)	12
Materials ex-gold	4	7	7	9	9	9	8	12	12	12	12	12	12	-	4





# Step #8 Sector Rotation into Cyclical

## Bottom-up models increasing cyclical exposure

### S&P100

Beta = 1.43

Sector	#	Index	Model Wgt	vs Index	rank
Information Technology	17	37.6	53.4	1.4	1
Industrials	13	4.3	5.4	1.3	2
Financials	18	13.1	14.3	1.1	3
Communication Services	9	14.0	14.2	1.0	4
Consumer Discretionary	9	11.2	8.0	0.7	5
Consumer Staples	10	6.6	2.9	0.4	6
Real Estate	2	0.4	0.1	0.3	7
Health Care	15	9.5	1.6	0.2	8
Utilities	3	0.8	0.1	0.2	9
Materials	1	0.5	-	-	10
Energy	3	2.1	-	-	10

	Model	s&p100	Spread
Inception*	248.1%	112.2%	135.9%
YTD	4.2%	5.0%	-0.8%
2024	49.4%	26.6%	22.9%
2023	48.2%	30.8%	17.4%
2022	-8.4%	-25.4%	17.0%
2021	47.6%	27.6%	20.1%

\*Jun 25/2020

### TSX Mo Model

SECTOR	TSX	Model	+/-	Ratio	Rank
Insurance	7.8	12.0	4.2	154%	1
Gold	9.6	13.3	3.7	138%	2
Health Care	0.3	0.3	0.1	131%	3
Financials	32.7	42.3	9.6	129%	4
Commercial Banks	20.2	25.3	5.1	125%	5
Discretionary	3.3	4.2	0.8	125%	6
Staples	3.7	3.4	(0.3)	92%	7
Technology	9.8	8.8	(1.0)	90%	8
Materials	3.7	3.3	(0.4)	89%	9
Industrials	12.9	10.3	(2.6)	80%	10
Energy	15.5	10.9	(4.6)	70%	11
E&P	7.8	5.0	(2.7)	65%	12
Utilities	3.8	2.0	(1.7)	54%	13
Storage/Refining	6.6	3.2	(3.4)	48%	14
Telecom	2.2	0.9	(1.3)	40%	15
REITs	1.7	0.3	(1.4)	18%	16

Resources	21.1	21.6	0.6	1.0
Ind/Tech/Disc	26.0	23.3	(2.7)	0.9
Defense	18.0	9.8	(8.2)	0.5
Financials	32.7	42.3	9.6	1.3

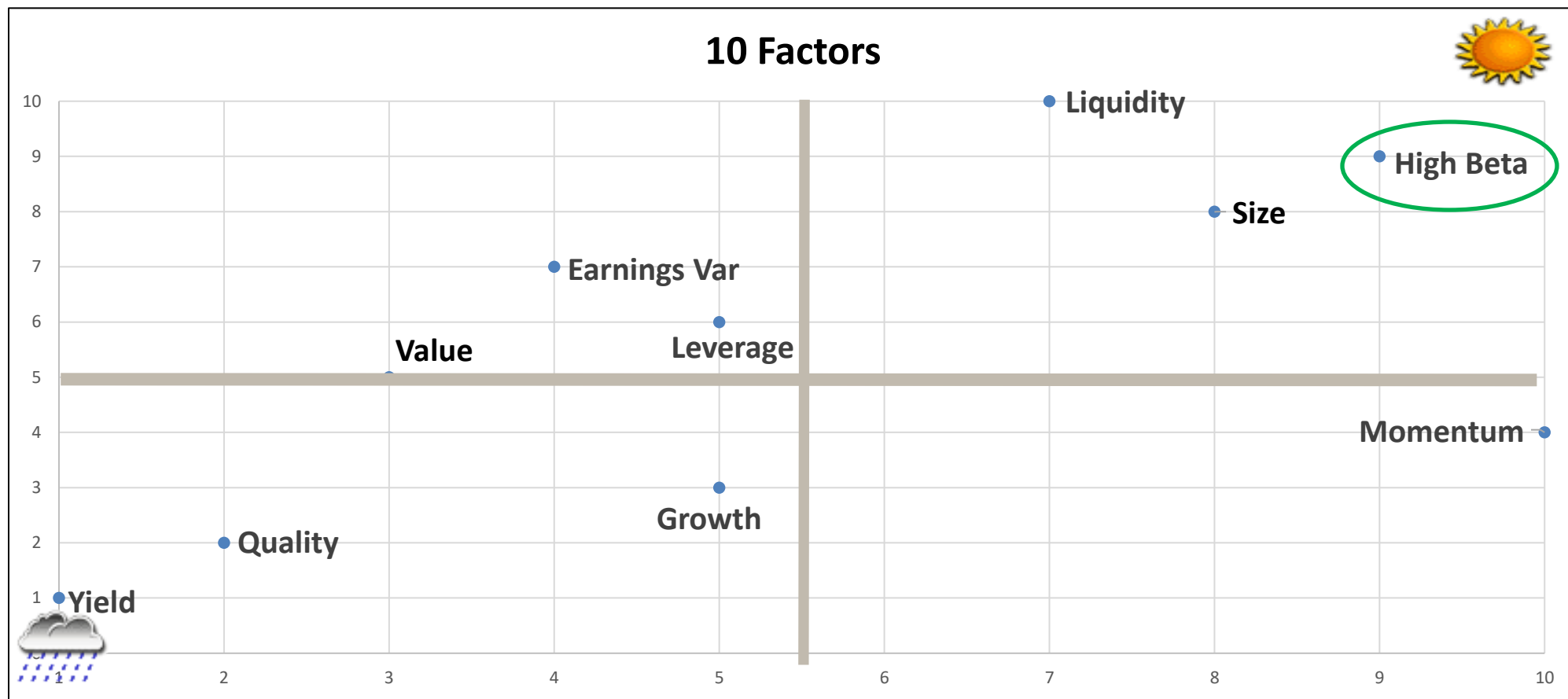
	MODEL	TSX	SPREAD	SHORTS	Long-Short
YTD	12.6%	8.6%	4.0%	4.3%	8.4%
Inception	178.4%	54.1%	124.3%	4.2%	174.2%
2024	36.5%	18.0%	18.5%	-2.3%	38.8%
2023	16.6%	7.5%	9.1%	-2.6%	19.2%
2022	6.0%	-8.7%	14.7%		
2021	46.5%	21.7%	24.8%		

inception Dec.31/20





# Step #8 Rotation into High Beta



## Bloomberg Pure Factors: market neutral (long/short)

<b>Momentum</b>	1-year price change excluding the most recent 2 weeks, to mitigate the price reversal effect
<b>Value:</b>	book:price (14%), earnings to price (20%), cash flow to price (20%), sales / EV (5%), EBITDA / EV (20%), forecast earnings to price (21%)
<b>Dividend Yield:</b>	yield
<b>Size:</b>	mkt cap (31%), sales (34%), total assets (35%)
<b>Trading Activity:</b>	2-year avg trading volume vs shares outstanding
<b>Earnings Variability:</b>	5-year earnings vol / total assets (34%), cash flow volatility / total assets (35%), sales vol / total assets (31%)
<b>Quality / Profits:</b>	ROE (26%), ROA (28%), ROCE (28%), EBITDA margin (18%)
<b>Beta / Volatility:</b>	252 trading day vol (27%), Beta (20%), Sigma (27%), Cumulative range = ratio of max and min stock price over prior year (26%)
<b>Growth:</b>	5-year total asset growth (22%), 5y sales (24%), 5-y EPS (19%), forecast eps% (15), forecast sales% (21%)
<b>Leverage:</b>	debt / book value (34%), debt / mkt cap (33%), debt / total assets (33%)



# Step #8 Rotation into High Beta > Low Vol

## Snapping back in favour of Beta



Momentum  
as bad as  
Covid

## Step #9. Culprits of the bear rally

### Semis are today's prime suspects

Culprit	%Draw down	Peak	S&P Peak	Lag (mos)	% Rally	Duration (mos)
Gold	-60%	Sep-80	Nov-80	2.1	74%	7.8
Japan	-37%	Dec-89	Jul-90	6.7	50%	9.0
Tech	-89%	Mar-00	Sep-00	5.3	95%	15.2
Financials	-85%	Jun-07	Oct-07	4.4	191%	13.3
Greece	-54%	Oct-09	Apr-10	6.2	194%	11.3
Energy	-74%	Jun-14	May-15	10.8	104%	10.8
Travel/Leisure	-62%	Jan-20	Feb-20	1.6	214%	12.0
ARK Innovation	-81%	Feb-21	Jan-22	10.9	74%	10.3
<b>Avg</b>	<b>-68%</b>			<b>6.0</b>	<b>125%</b>	<b>11.2</b>
<b>Semis</b>	<b>-45%</b>	<b>Jul-24</b>	<b>Feb-25</b>	<b>7.4</b>		



## Step #9. Culprits of bear rally

### Speculative Growth ARKK culprits of 2022 bear, peaked Feb/21 10 months ahead of S&P



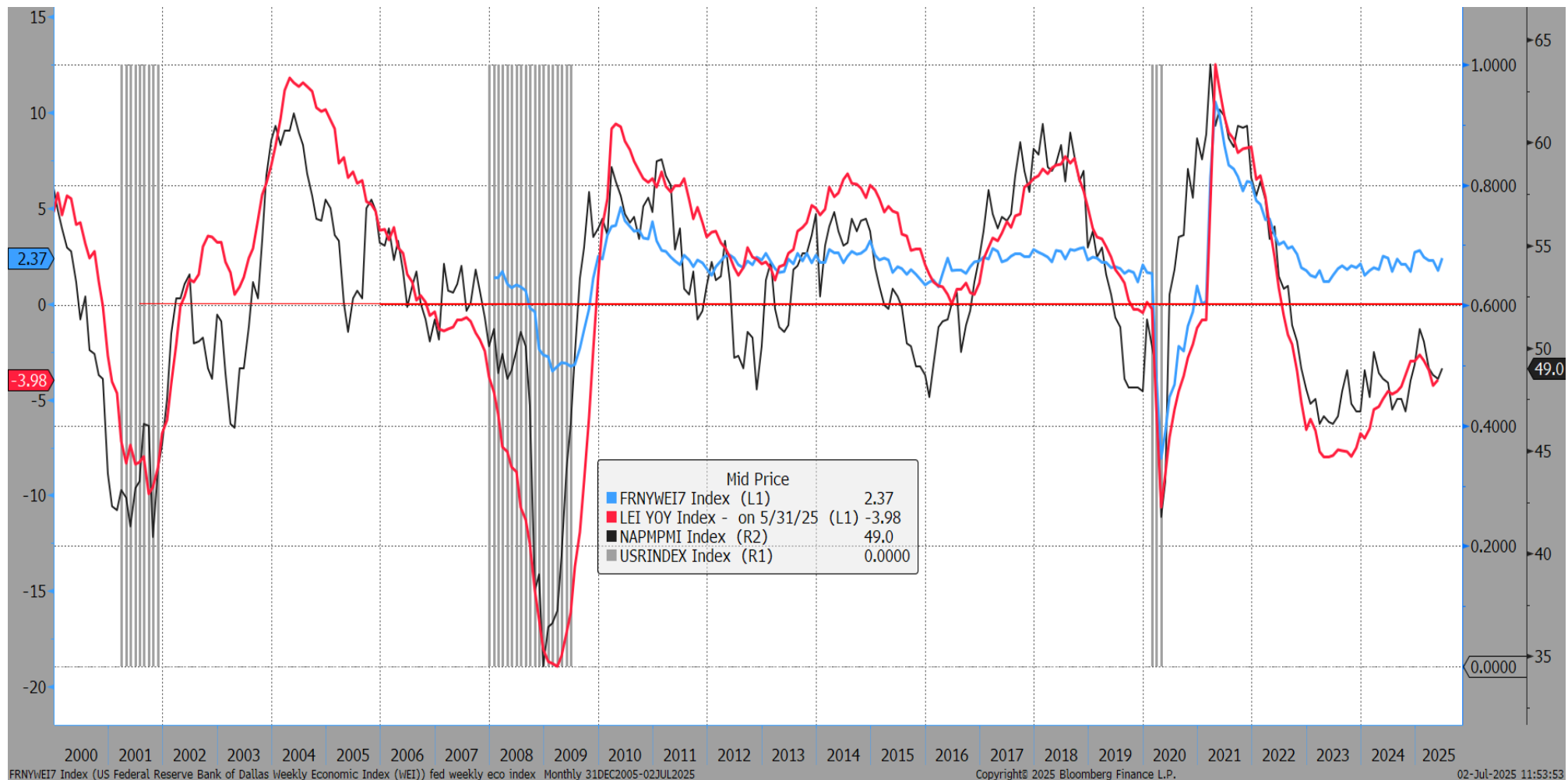
## Step #9. Culprits of bear rally

**Semis today's culprits, peaked July/24 vs. S&P Feb/25**



## Step #10 Improving Macro

**“Hard” data still not confirming weak surveys = no recession yet**

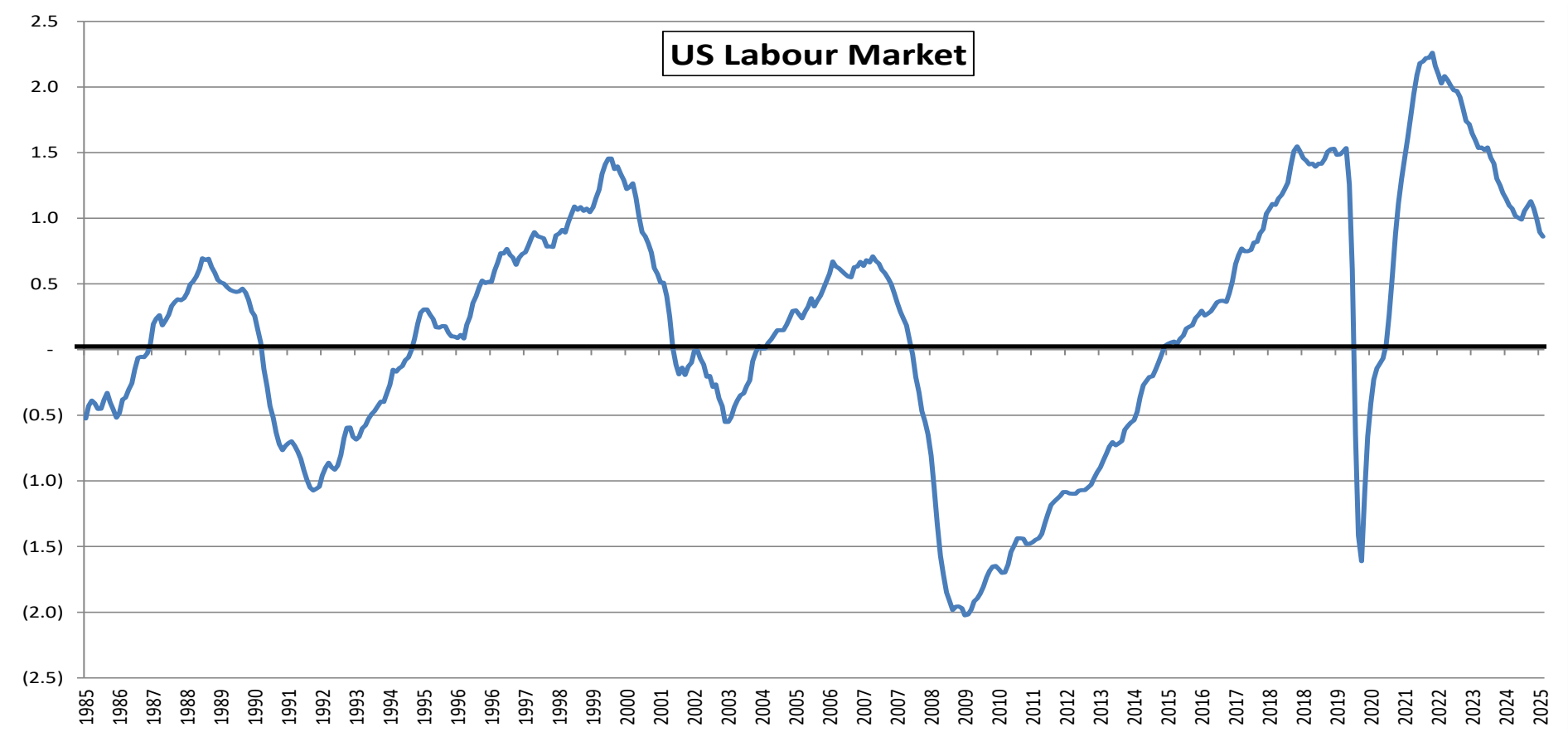


**Fed eco index (blue)** is mostly “hard data”: gasoline sales, electricity usage, steel production, same-store retail sales, initial unemployment claims, temporary employment. Soft data: consumer sentiment



# Step #10 Improving Macro

**Labour market easing but not collapsing = no recession yet**



	2025-06-30	last month	last year	YoY
<b>S&amp;P Price-to-Sales:</b>	<b>2.49</b>	<b>2.24</b>	<b>2.07</b>	<b>0.42</b>
<b>US Labour Market:</b>	<b>0.86</b>	<b>0.89</b>	<b>1.15</b>	<b>(0.29)</b>

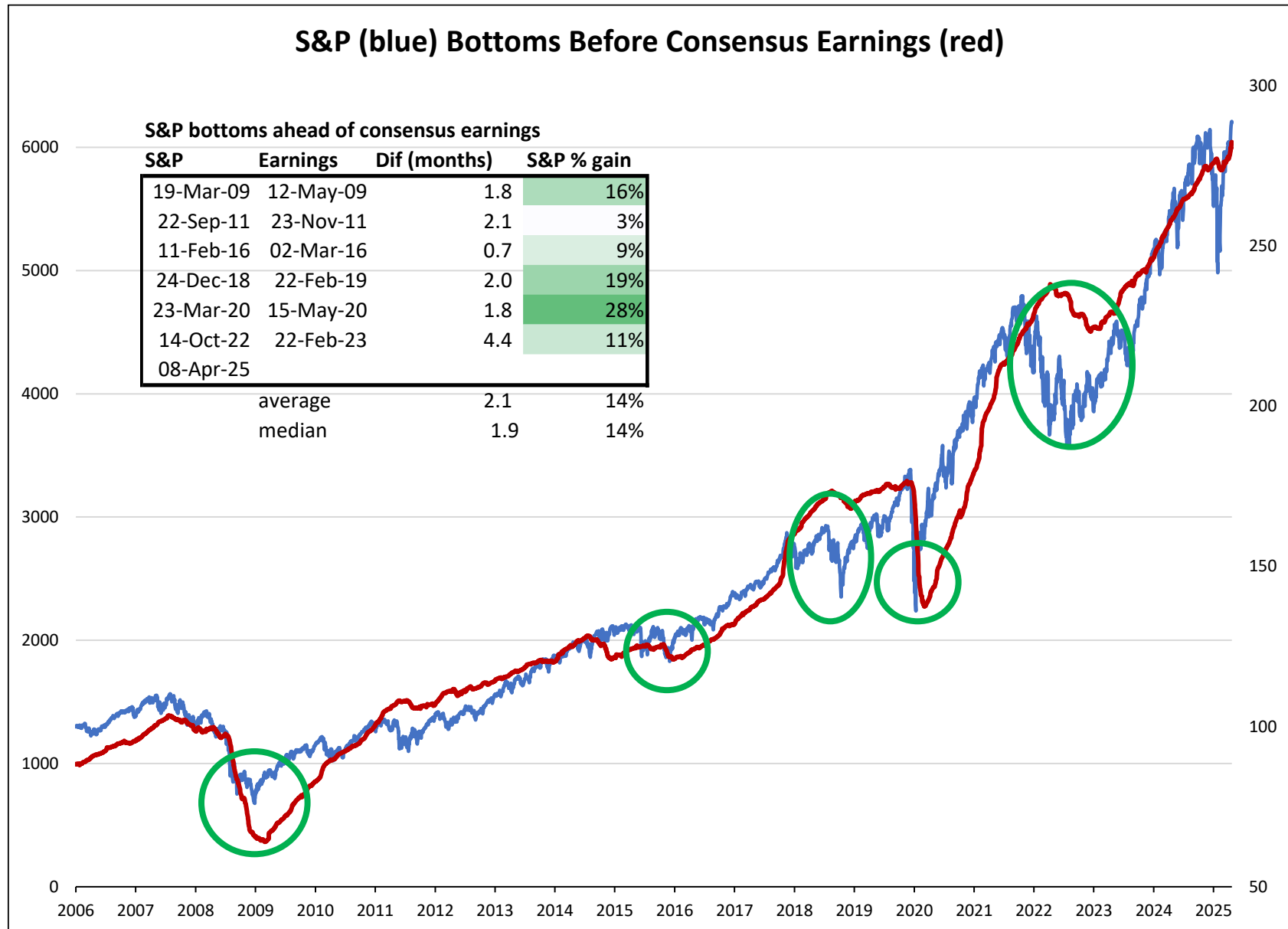
Labour Market:

1) Jobless Claims (inverted)	1.50	1.26	1.46	0.04
2) jobs plentiful less hard to get	0.59	0.65	0.93	(0.34)
3) employment:population (ages 25-54)	0.89	1.00	1.05	(0.16)
4) U6 unemployment rate (inverted)	0.89	0.89	1.15	(0.25)
5) temporary employment	0.33	0.37	0.58	(0.25)
6) job openings (JOLT)	1.01	0.85	0.85	0.15
7) quit rate (JOLT)	0.25	(0.02)	0.25	-
8) NFIB Small Business Hiring Plans	(0.00)	0.15	0.46	(0.46)



# Step #10 Improving Macro

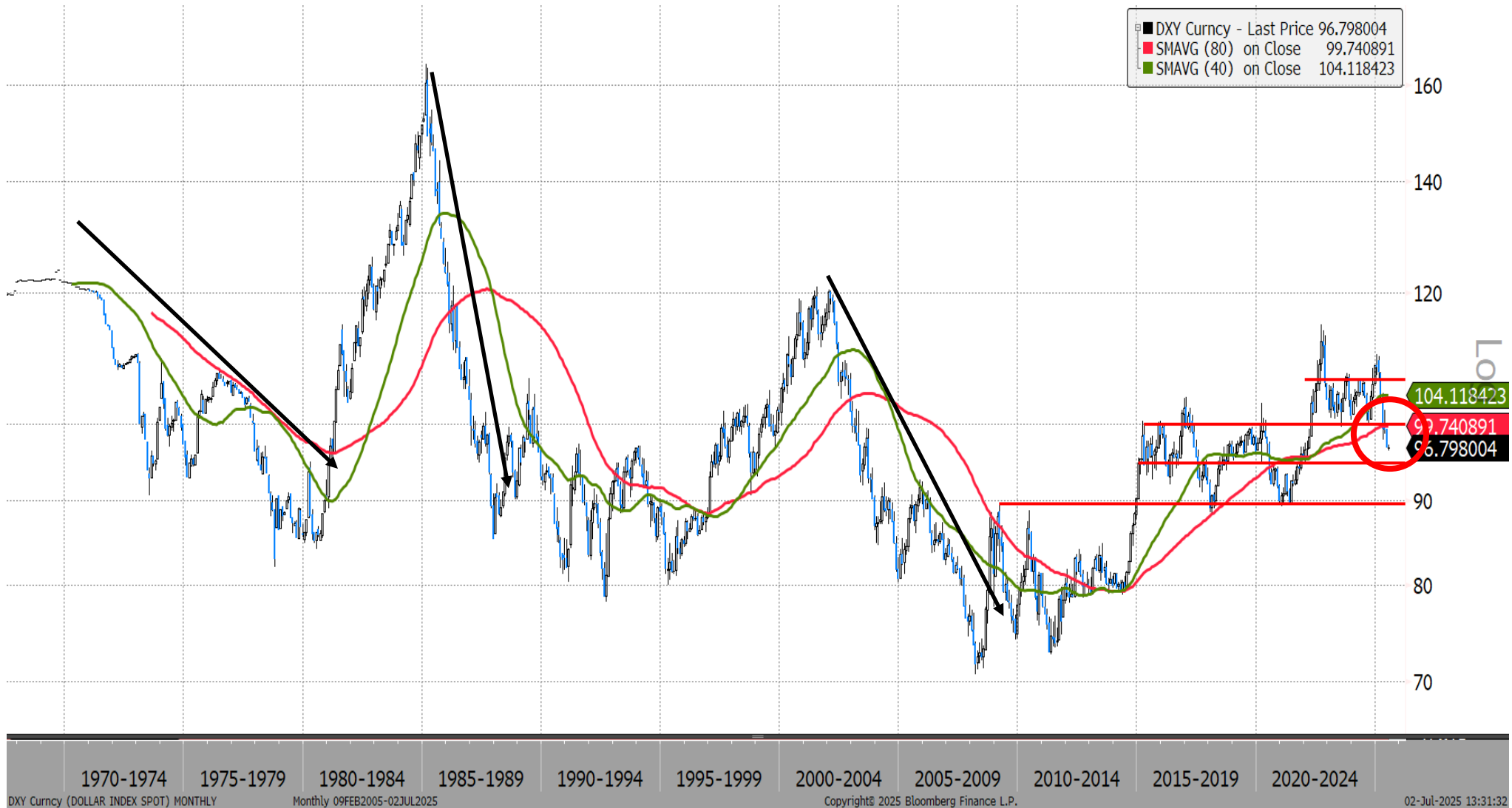
## S&P Bottoms ~2 months Before Earnings





# US\$ breaking long-term support

## A tailwind for commodities

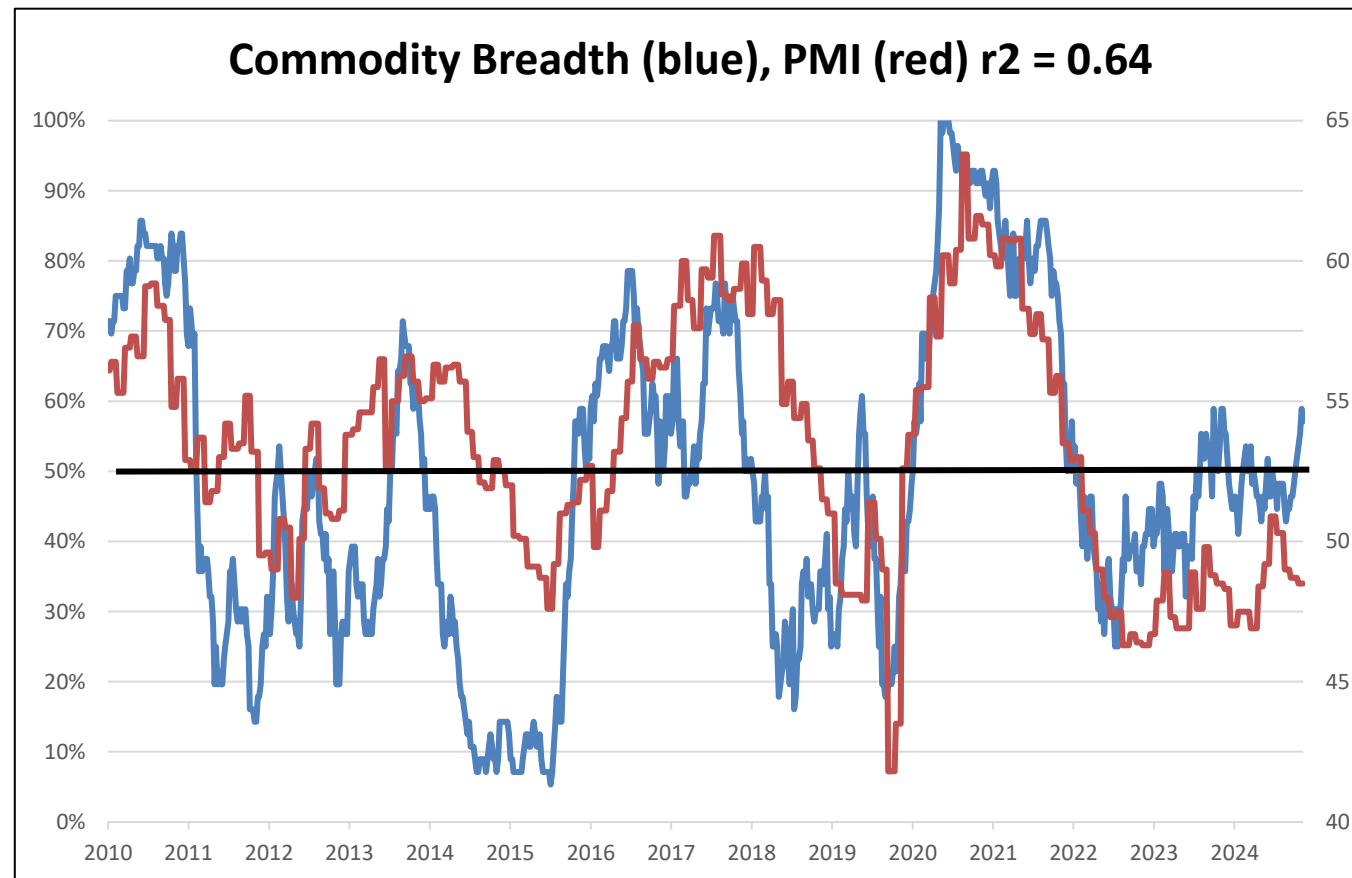


# CAD\$ rallying off lower end of trading range

## Needs to break > \$0.83 to signal next commodity supercycle



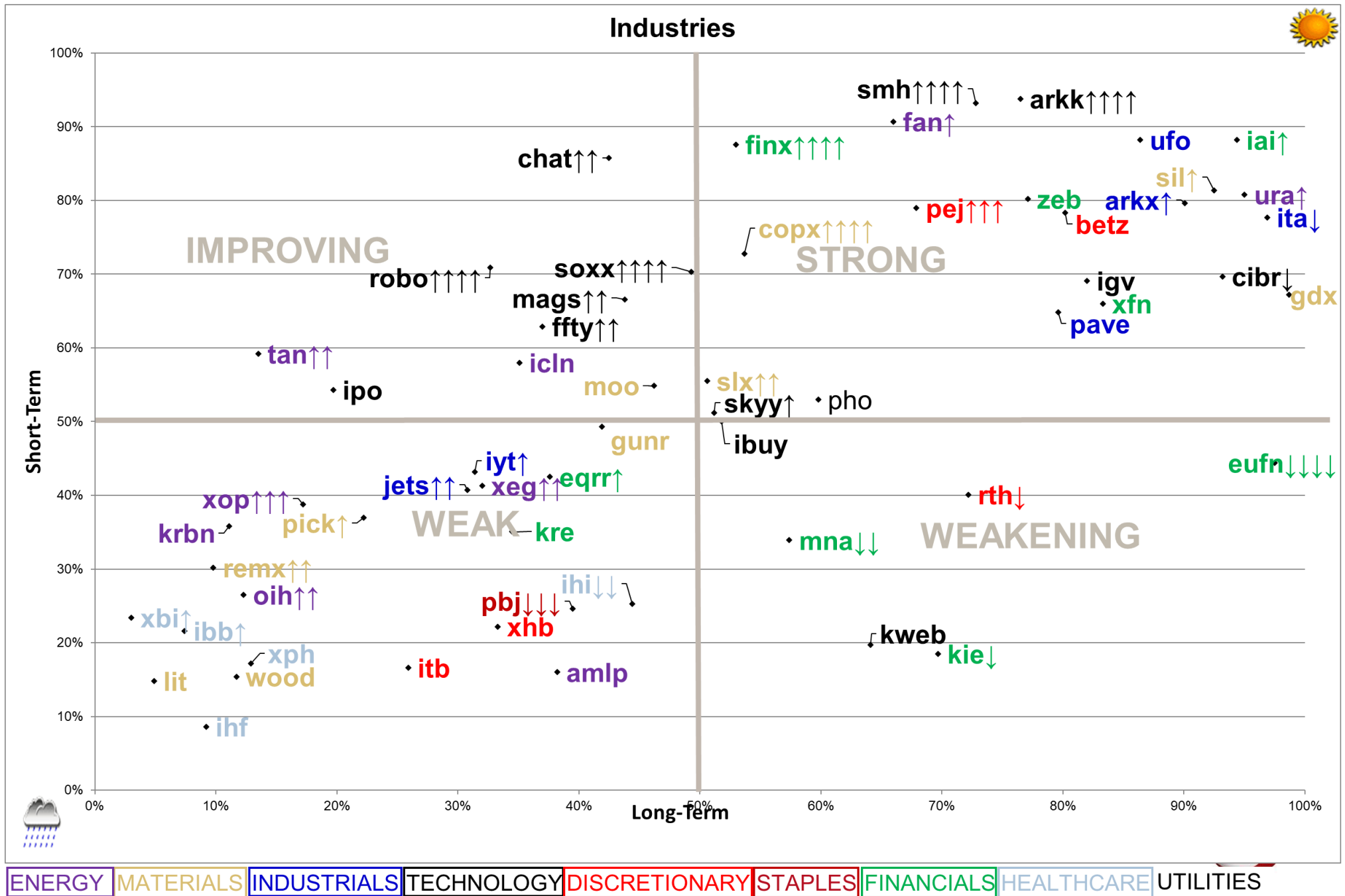
# Commodities: Breadth improving



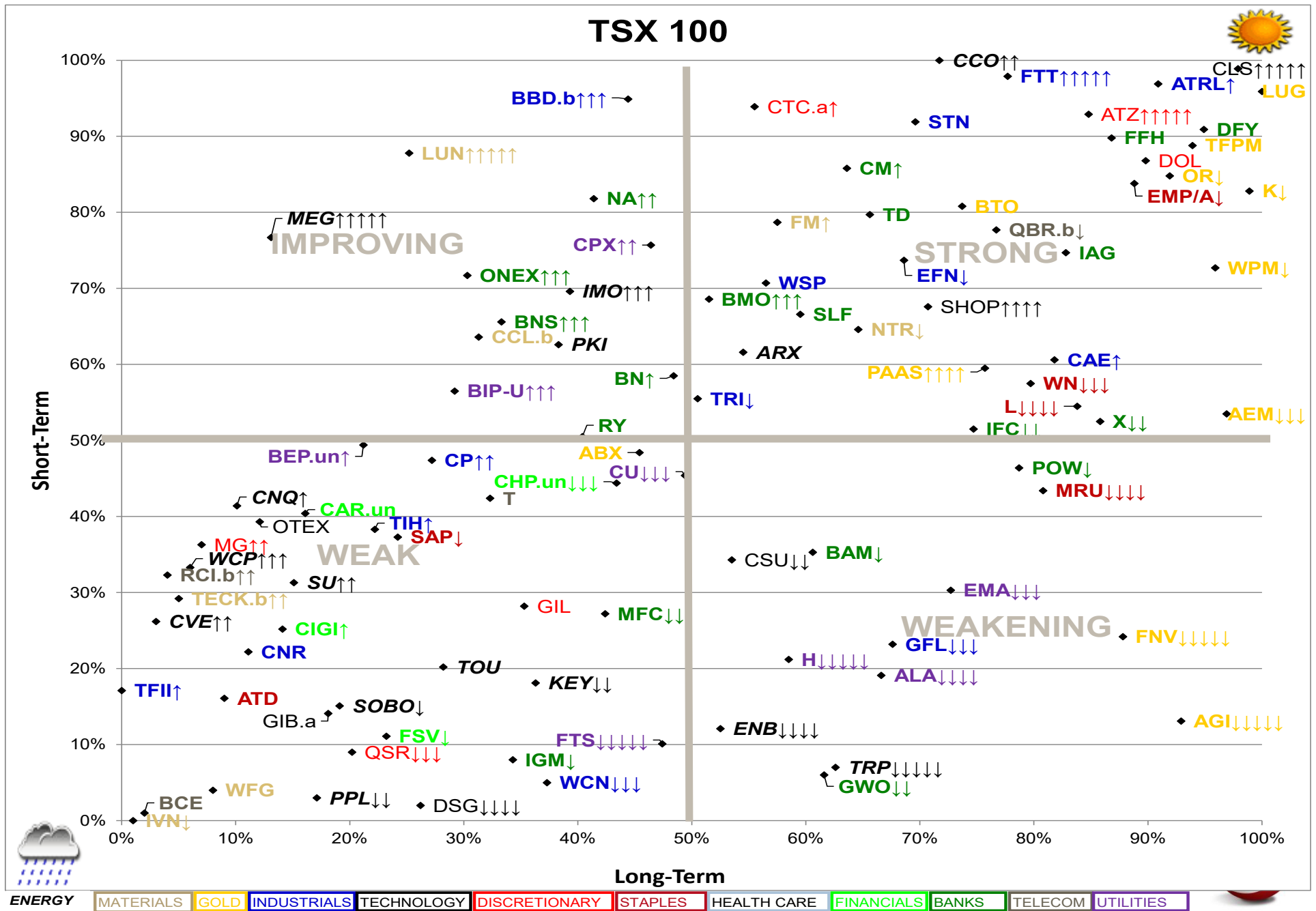
Current    Last Week    Last Month  
**57%**      **59%**      **50%**

	SORT	
Commodity	rank	
Platinum	100%	
Lean Hogs	94%	
Cocoa	94%	
Natural Gas	91%	
Silver	88%	
Gold	84%	
Copper	81%	
Precious Metals (DBP)	78%	
Live Cattle	75%	
Uranium	72%	
Aluminum	69%	
Hot Rolled Steel	66%	
Base metals (DBB)	63%	
Raw Industrials	59%	
Heating Oil	56%	
CRB	53%	
Agriculture (DBA)	50%	
Energy (DBE)	47%	
Zinc	44%	
Lumber	41%	
Cotton	34%	
Soybean	31%	
Gasoline	28%	
Oil	25%	
Nickel	22%	
Wheat	19%	
Brent	16%	
Coffee	13%	
Corn	9%	
Iron Ore	6%	
Sugar	3%	
Orange Juice	0%	

# Industry Themes: high beta areas in the sunshine

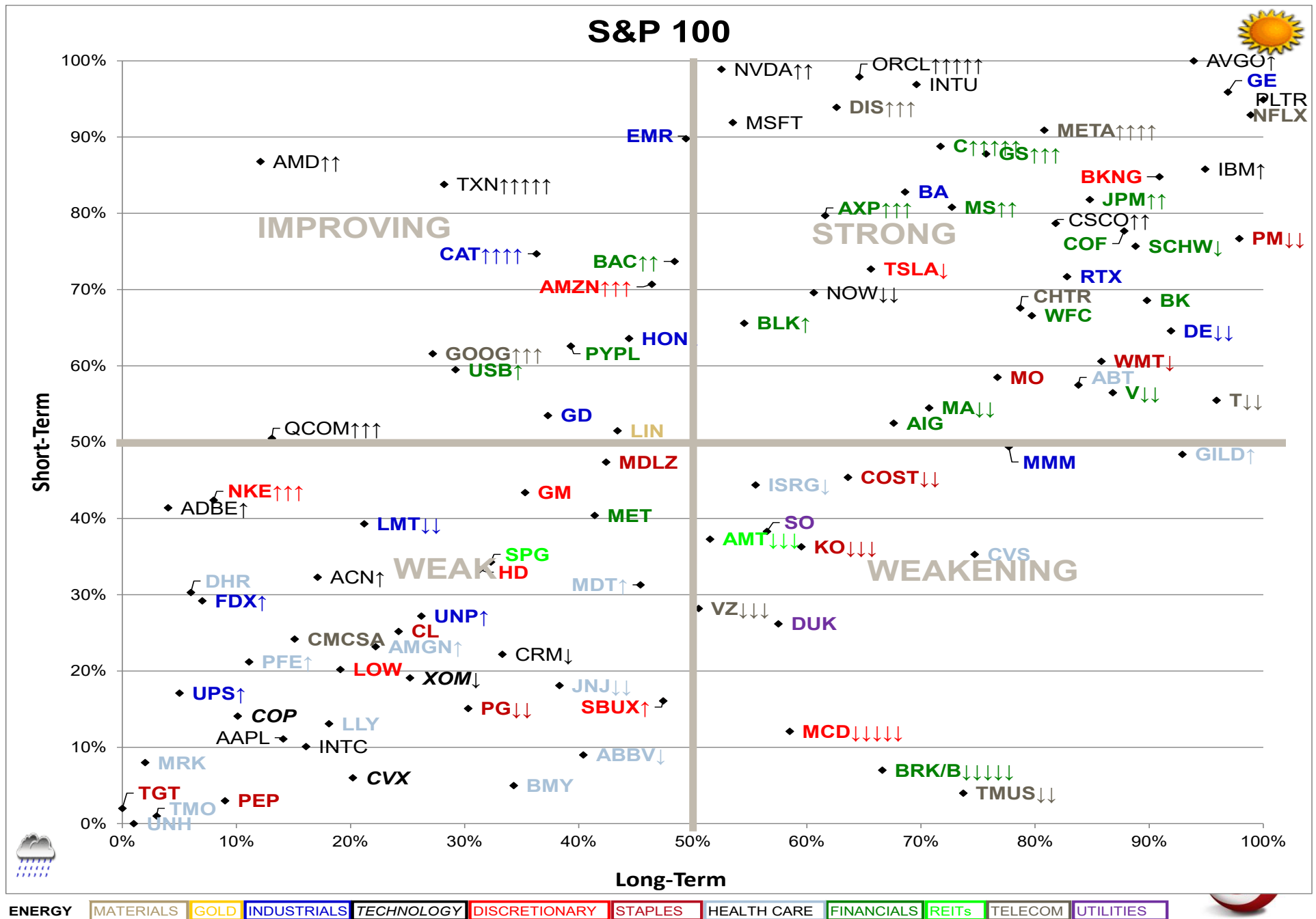


# TSX100: sun/rain



# S&P100: sun/rain

## S&P 100

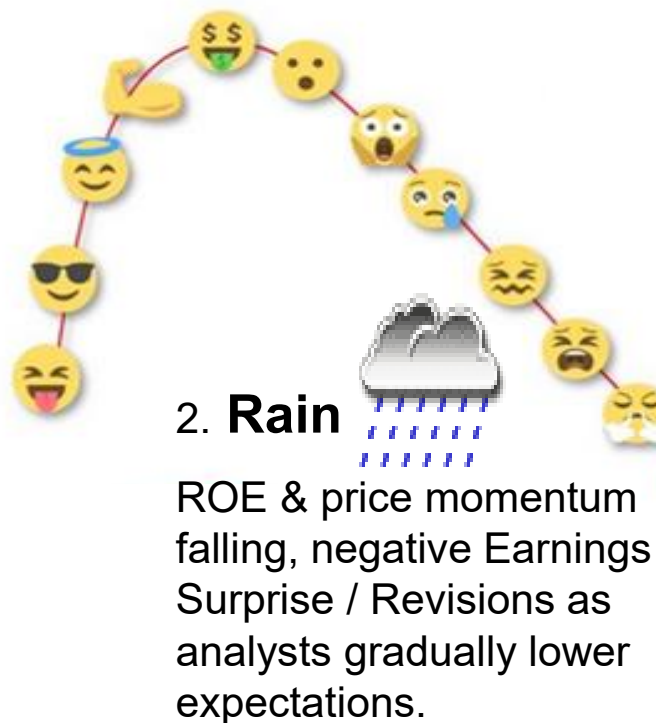


# Quants = Stoics: Try to Take the Emotion Out of the Process

Combine **Price Momentum** & Fundamentals: **ROE, earnings surprise / revisions**

## 1. Negative Inflection

Valuation & analyst expectations high. Negative Earnings Surprise / Revisions



## 4. Sunshine

ROE & price momentum rising. Positive earnings surprises / revisions as analysts get constructive.

## 3. Positive Inflection

Valuation & Expectations low: analysts throw in the towel. Positive Earnings Surprise after several weak quarters.

## 1. Negative Inflection



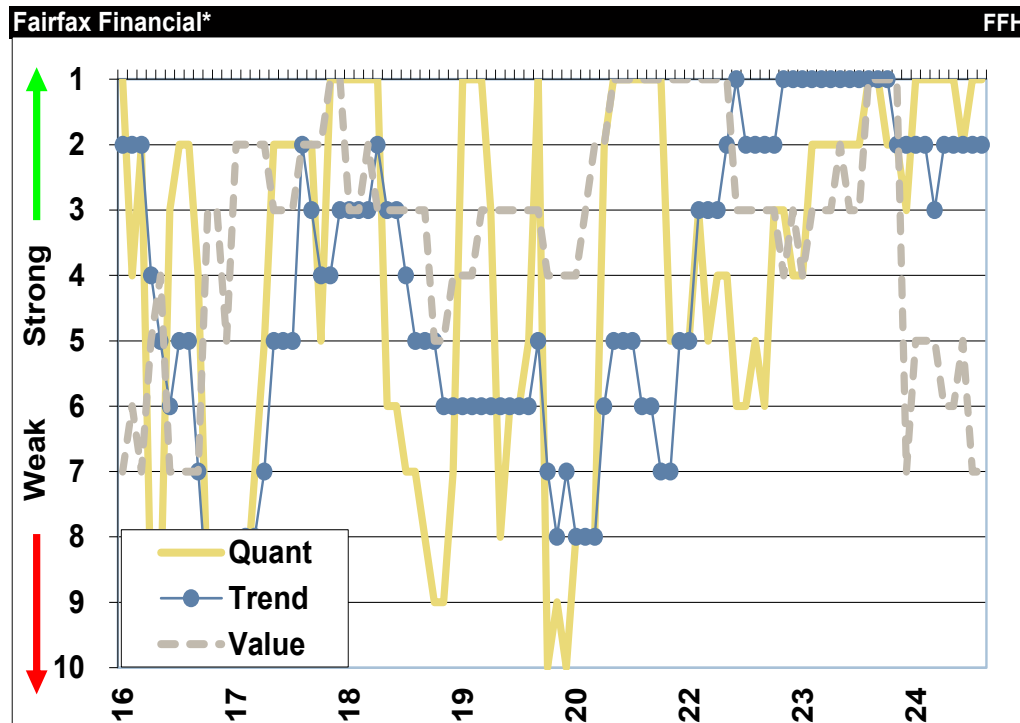
# Quant Stars: Big caps (left) small caps (right)

				SORT
Ticker	Sector	Company	MKT Float	Quant
CCO	Energy	Cameco Corporation	44,024	2
OGC	Materials	OceanaGold Corporation*	4,442	1
LUG	Materials	Lundin Gold Inc.*	7,100	1
NGD	Materials	New Gold Inc.*	5,358	1
K	Materials	Kinross Gold Corp. *	26,106	1
NGT	Materials	Newmont Corporation*	67,488	1
AEM	Materials	Agnico Eagle Mines Ltd*	81,650	1
EDV	Materials	Endeavour Mining plc*	6,888	1
OR	Materials	OR Royalties Inc.	6,552	1
HBM	Materials	Hudbay Minerals Inc.*	5,708	1
IMG	Materials	Iamgold Corporation*	5,768	1
PAAS	Materials	Pan American Silver *	13,995	1
WPM	Materials	Wheaton Precious Metal*	55,577	2
ELD	Materials	Eldorado Gold Corp.*	5,696	3
BTO	Materials	B2Gold Corp.*	6,494	3
FM	Materials	First Quantum Minerals*	16,345	3
ATRL	Industrials	AtkinsRealis Group Inc.	16,610	1
FTT	Industrials	Finning International	7,835	1
STN	Industrials	Stantec Inc.	16,901	1
EFN	Industrials	Element Fleet Mgmt.*	13,705	2
TRI	Industrials	Thomson Reuters Corp*	37,008	2
BBD.B	Industrials	Bombardier Inc.B*	10,158	3
WSP	Industrials	WSP Global Inc.	36,251	3
CAE	Industrials	CAE Inc.	12,782	3
DOL	Discretionary	Dollarama Inc.	53,163	1
ATZ	Discretionary	Aritzia Inc.	6,013	1
CTC.A	Discretionary	Cdn Tire Corp. Ltd.	9,579	3
L	Staples	Loblaw Companies Ltd.	31,654	2
MRU	Staples	Metro Inc.	21,340	2
WN	Staples	Weston Ltd. George	14,473	3
EMP.A	Staples	Empire Company Ltd. A	7,545	3
FFH	Financials	Fairfax Financial*	51,206	1
IFC	Financials	Intact Financial Corp.	56,472	2
CM	Financials	Cdn Imperial Bank	90,299	2
SLF	Financials	Sun Life Financial Inc.	51,069	2
IAG	Financials	iA Financial Corp	13,866	3
X	Financials	TMX Group Limited	16,049	3
TD	Financials	Toronto-Dominion Bank	172,523	3
CLS	Technology	Celestica Inc.*	24,466	1
KXS	Technology	Kinaxis Inc.*	5,724	2
TOI	Technology	Topicus.com Inc.*	7,258	2
QBR.B	Telecom	Quebecor Inc. B	6,411	1

				SORT
Ticker	Sector	Company	MKT Float	Quant
MCB	Energy	McCoy Global Inc.	64	1
TVK	Energy	TerraVest Industries	2,516	1
KEC	Energy	Kiwetinohek Energy	209	2
BIR	Energy	Birchcliff Energy Ltd.	2,032	3
III	Materials	Imperial Metals Corp.	315	1
KNT	Materials	K92 Mining Inc.*	3,686	1
ASM	Materials	Avino Silver & Gold *	674	1
APM	Materials	Andean Precious Metals*	126	1
IFOS	Materials	Itafos Inc.*	183	1
VNP	Materials	5N Plus Inc.*	796	1
OLA	Materials	Orla Mining Ltd.*	2,866	1
ORA	Materials	Aura Minerals Inc.*	1,260	1
DPM	Materials	Dundee Precious Metals*	3,656	1
ARTG	Materials	Artemis Gold Inc.	3,611	1
TXG	Materials	Torex Gold Resources*	3,829	1
WDO	Materials	Wesdome Gold Mines Ltd.	2,850	1
TFPM	Materials	Triple Flag Precious*	1,945	1
AAUC	Materials	Allied Gold Corp.	1,350	1
ELE	Materials	Elemental Altus*	224	2
ORE	Materials	Orezone Gold Corp.*	476	2
SSL	Materials	Sandstorm Gold Ltd.*	3,117	2
MTA	Materials	Metalla Royalty*	414	2
USA	Materials	Americas Gold & Silver*	583	3
PRYM	Materials	Prime Mining Corp.	255	3
FVI	Materials	Fortuna Mining Corp.	2,735	3
GGA	Materials	Goldgroup Mining Inc. *	153	3
TCL.A	Materials	Transcontinental Inc.	1,550	3
EXN	Materials	Excellon Resources*	48	3
ASCU	Materials	Arizona Sonoran Copper*	246	3
FTG	Industrials	Firan Technology Group	174	1
MDA	Industrials	MDA Space Ltd.	3,834	1
BDGI	Industrials	Badger Infrastructure*	1,606	1
DXT	Industrials	Dexterra Group Inc.	281	1
TRZ	Industrials	Transat A.T. Inc.	99	2
ZDC	Industrials	Zedcor Inc.	295	2
MAL	Industrials	Magellan Aerospace Corp	232	2
EIF	Industrials	Exchange Income Corp.	3,028	3
KITS	Discretionary	Kits Eyecare Ltd.	198	1
PET	Discretionary	Pet Valu Holdings Ltd.	2,189	2
ACQ	Discretionary	AutoCanada Inc.	340	2
MFI	Staples	Maple Leaf Foods Inc.	2,110	1
HLF	Staples	High Liner Foods Inc.*	322	2
ADW.A	Staples	Andrew Peller Ltd.	143	2
CRRX	Staples	CareRx Corporation	87	2
EXE	Health Care	Extendicare Inc.	996	1
SIA	Health Care	Sienna Senior Living	1,755	2
SII	Financials	Sprott Inc.*	1,943	1
PNP	Financials	Pinetree Capital Ltd	91	1
SFC	Financials	Sagcor Financial Co.*	750	2
AGF.B	Financials	AGF Management Ltd.	579	3
OLY	Financials	Olympia Financial Group	189	3
ALYA	Technology	Alithya Group Inc.	132	1
DBO	Technology	D-Box Technologies Inc.	53	3
GRID	Technology	Tantalus Systems*	96	3
LMN	Technology	Lumine Group Inc.*	3,285	3
RAY.A	Telecom	Stingray Group A	410	1
DC.a	REITs	Dundee Corporation A	173	1
ISC	REITs	Information Serv. Corp.	271	1



# Quant Stars: Big cap Fairfax (FFH)



Quant	1	Growth	1	Revisions	Cur Yr	Next Yr	% chg
Momentum	2	Valuation	7	Consensus	\$224.63	\$235.77	5%
Surprise	1	Expectation	4	3 Mon Ago	\$202.25	\$232.44	
Revisions	2	Quality	5	Revision	11%	1%	

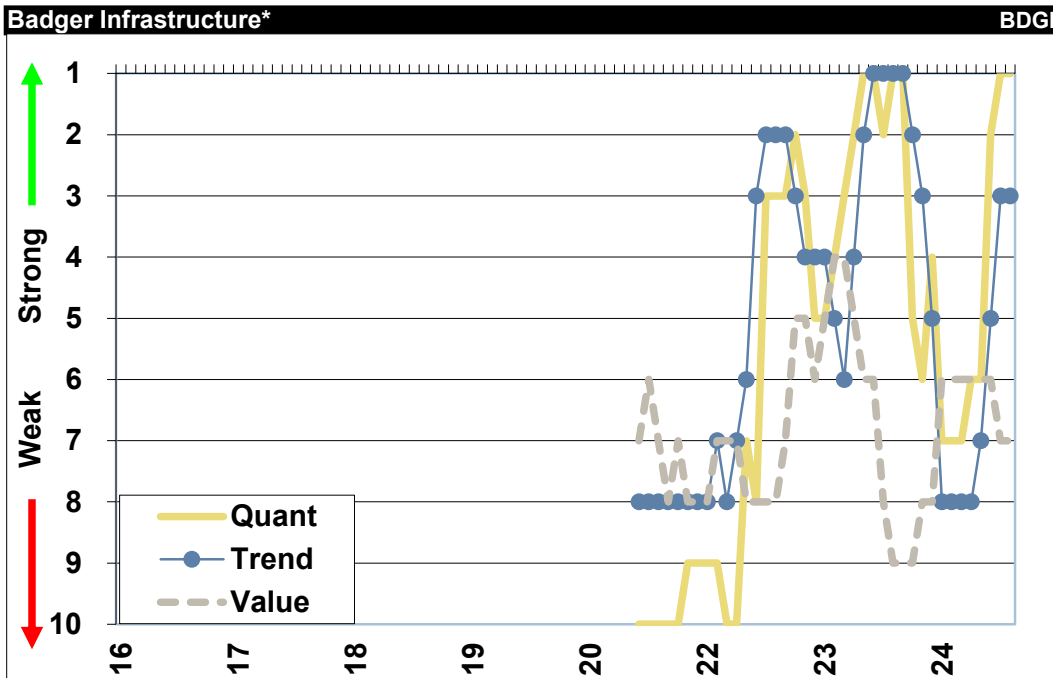
#12 / 664

EPS vs. consensus: 61.27 vs. 35.51

	Current	Last Quarter	-2Q	1-Year Ago	QoQ	YoY
ROE	16.3%	14.5%	15.0%	15.6%	181	75
ROE / ROE Mo	2	3	LT ROE	6.6%	4	



# Quant Stars: Small cap Badger (BDGI)



Quant	1	Growth	1	Revisions	Cur Yr	Next Yr	% chg
Momentum	3	Valuation	7	Consensus	\$2.69	\$3.23	20%
Surprise	2	Expectation	7	3 Mon Ago	\$2.72	\$3.49	
Revisions	7	Quality	3	Revision	-1%	-7%	
#64 / 664							
EPS vs. consensus: 0.27 vs. 0.20							
	Current	Last Quarter	-2Q	1-Year Ago	QoQ	YoY	
ROE	23.9%	21.3%	19.3%	19.7%	253	419	
ROE / ROE Mo	1	3	LT ROE	15.4%	2		

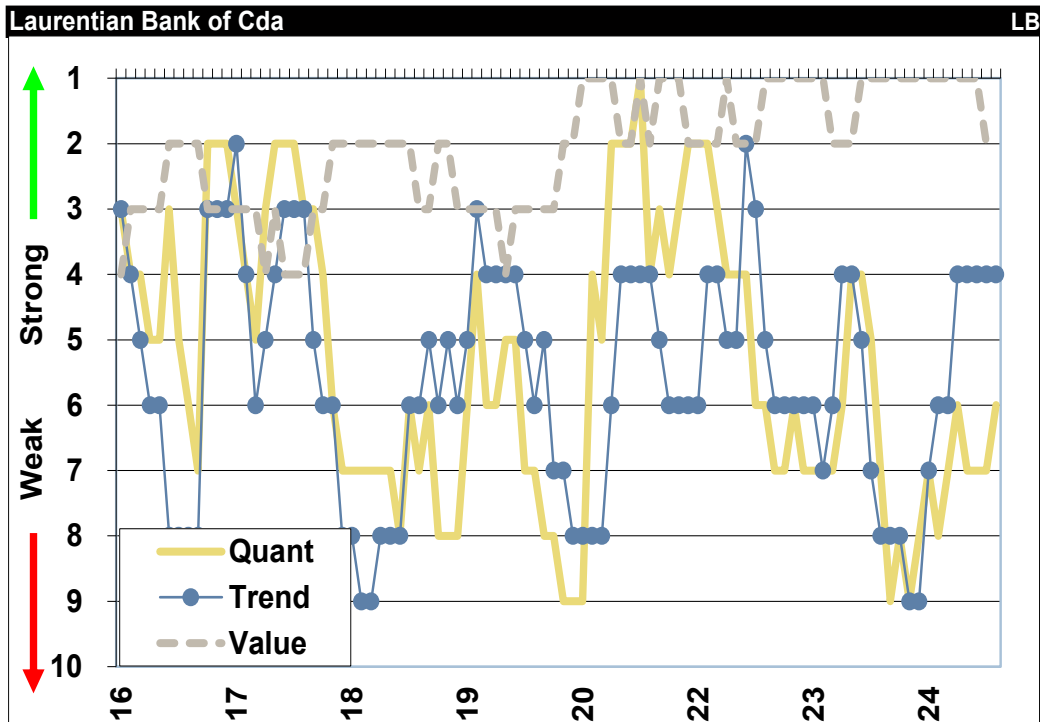


# Value + Momentum: Big caps (left) small caps (right)

Ticker	Sector	Company	MKT Float	value
NXE	<b>Energy</b>	NexGen Energy Ltd	5,389	3
SJ	<b>Materials</b>	Stella-Jones Inc.	4,360	5
AC	<b>Industrials</b>	Air Canada	5,865	1
CTC.A	<b>Discretionary</b>	Cdn Tire Corp. Ltd.	9,579	3
SAP	<b>Staples</b>	Saputo Inc.	6,722	4
SLF	<b>Financials</b>	Sun Life Financial Inc.	51,069	2
BMO	<b>Financials</b>	Bank of Montreal	108,968	5
QBR.B	<b>Telecom</b>	Quebecor Inc. B	6,411	5
NPI	<b>Utilities</b>	Northland Power Inc.	5,588	4

Ticker	Sector	Company	MKT Float	value
SOIL	<b>Energy</b>	Saturn Oil & Gas Inc.	291	1
JOY	<b>Energy</b>	Journey Energy Inc	116	2
SCR	<b>Energy</b>	Strathcona Resources	1,313	3
SGY	<b>Energy</b>	Surge Energy Inc.	606	3
SHLE	<b>Energy</b>	Source Energy Services	159	3
NXE	<b>Energy</b>	NexGen Energy Ltd	5,389	3
POU	<b>Energy</b>	Paramount Resources Ltd	1,679	3
KEC	<b>Energy</b>	Kiwetino Energy	209	4
SLI	<b>Materials</b>	Standard Lithium Ltd.*	520	2
AMX	<b>Materials</b>	Amex Exploration	147	2
SEA	<b>Materials</b>	Seabridge Gold Inc.	1,690	2
FF	<b>Materials</b>	First Mining Gold Corp.	192	2
RPI.un	<b>Materials</b>	Richards Packaging IF	266	3
III	<b>Materials</b>	Imperial Metals Corp.	315	3
ASCU	<b>Materials</b>	Arizona Sonoran Copper*	246	3
IFOS	<b>Materials</b>	Itafos Inc.*	183	3
DV	<b>Materials</b>	Dolly Varden Silver	293	3
CNL	<b>Materials</b>	Collective Mining Ltd.*	759	4
FVL	<b>Materials</b>	Freegold Ventures Ltd*	468	4
NGEX	<b>Materials</b>	NGEx Minerals Ltd.	1,975	4
PTM	<b>Materials</b>	Platinum Group Metals*	141	4
CHE.UN	<b>Materials</b>	Chemtrade Logistics IF	1,263	4
TIXT	<b>Industrials</b>	TELUS Intl (Cda) Inc.*	373	1
WJX	<b>Industrials</b>	Wajax Corporation	496	1
AC	<b>Industrials</b>	Air Canada	5,865	1
BBU.UN	<b>Industrials</b>	Brookfield Business LP*	1,552	2
CHR	<b>Industrials</b>	Chorus Aviation Inc.	454	2
DBM	<b>Industrials</b>	Doman Blding Materials	610	2
CGY	<b>Industrials</b>	Calian Group Ltd.	585	4
LNR	<b>Discretionary</b>	Linamar Corp.	2,558	1
GOOS	<b>Discretionary</b>	Canada Goose Holdings	698	2
CTC.A	<b>Discretionary</b>	Cdn Tire Corp. Ltd.	9,579	3
ACQ	<b>Discretionary</b>	AutoCanada Inc.	340	4
ADW.A	<b>Staples</b>	Andrew Peller Ltd.	143	1
SAP	<b>Staples</b>	Saputo Inc.	6,722	4
TF	<b>Financials</b>	Timbercreek Financial	629	1
LB	<b>Financials</b>	Laurentian Bank of Cda	1,374	2
SLF	<b>Financials</b>	Sun Life Financial Inc.	51,069	2
GLXY	<b>Financials</b>	Galaxy Digital Inc.	3,817	3
ALYA	<b>Technology</b>	Alithya Group Inc.	132	3
HUT	<b>Technology</b>	Hut 8 Corp.*	2,371	4
CGO	<b>Telecom</b>	COGECO Inc.	531	1
CCA	<b>Telecom</b>	Cogeco Communications	2,139	1
SPB	<b>Utilities</b>	Superior Plus Corp*	1,667	3
NPI	<b>Utilities</b>	Northland Power Inc.	5,588	4
HR.UN	<b>REITs</b>	H&R REIT	2,804	3
APR.UN	<b>REITs</b>	Automotive Props REIT	379	4
PRV.un	<b>REITs</b>	PRO REIT	263	4

# Value: Laurentian Bank (LB)



Quant	6	Growth	8	Revisions	Cur Yr	Next Yr	% chg
Momentum	4	Valuation	2	Consensus	\$3.10	\$3.53	14%
Surprise	3	Expectation	2	3 Mon Ago	\$3.15	\$3.73	
Revisions	7	Quality	3	Revision	-2%	-5%	

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EPS vs. consensus: 0.73 vs. 0.69

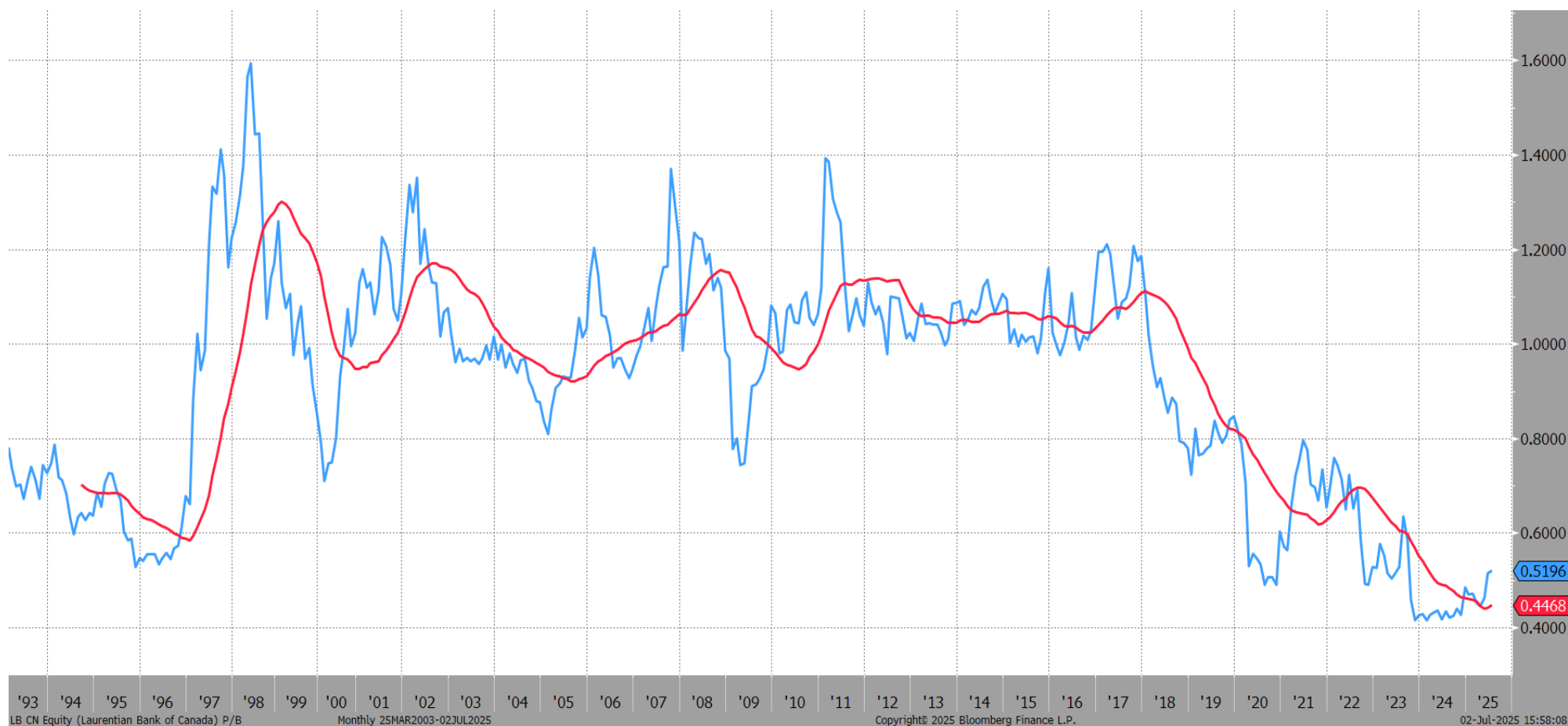
	Current	Last Quarter	-2Q	1-Year Ago	QoQ	YoY
ROE	5.6%	5.8%	6.1%	6.3%	(21)	(74)
ROE / ROE Mo	6	7	LT ROE	8.3%	4	



# Value: Laurentian Bank (LB) Price/Book 0.52x

## Laurentian Bank of Cda LB

Valuation:	2	-----Historic levels-----		
	Current	Low	Med	High
P/E	9.5	6.9	8.6	10.1
P/B	0.53	0.50	0.75	1.04
P/SALES	1.37	1.23	1.61	1.87
P/CFO	5.4	4.5	5.6	6.6





# Cormark Coverage: Strong (left) Improving (right)

SORT				
Ticker	Sector	Company	Mkt Cap	Long-term
TSAT	Communications	TELESAT CORP	1,782	2
WILD	Communications	WILDBRAIN LTD	459	2
QBR/B	Communications	QUEBECOR INC -CL B	9,416	3
KITS	Consumer Discr	KITS EYECARE LTD	486	1
ACQ	Consumer Discr	AUTOCANADA INC	523	3
TNZ	Energy	TENAZ ENERGY CORP	551	1
KEC	Energy	KIWETINOHK ENERGY CO	928	2
BIR	Energy	BIRCHCLIFF ENERGY LTD	1,978	3
POU	Energy	PARAMOUNT RESOURCE	3,131	3
DFY	Financials	DEFINITY FINANCIAL CO	9,344	2
FFH	Financials	FAIRFAX FINANCIAL HLD	58,365	2
IAG	Financials	INDUSTRIAL ALLIANCE IN	13,635	2
TD	Financials	TORONTO-DOMINION BA	173,716	3
CM	Financials	CAN IMPERIAL BK OF CO	91,504	3
RCG	Financials	RF CAPITAL GROUP	168	3
HSTR	Gold	HELIOSTAR METALS	319	1
LUG	Gold	LUNDIN GOLD INC	17,238	1
MAU	Gold	MONTAGE GOLD CORP	1,567	1
USA	Gold	AMERICAS SILVER CORP	759	1
TLG	Gold	TROILUS GOLD CORP	269	1
SSRM	Gold	SSR MINING INC	3,567	1
ARTG	Gold	ARTEMIS GOLD INC	5,765	1
SUP	Gold	NORTHERN SUPERIOR R	159	1
KNT	Gold	K92 MINING	3,581	1
OGC	Gold	OCEANAGOLD CORP	4,417	1
ARIS	Gold	ARIS MINING CORP	1,688	1
TAU	Gold	THESES GOLD INC	257	1
SSL	Gold	SANDSTORM GOLD LTD	3,732	1
OGN	Gold	OROGEN ROYALTIES INC	396	2
FF	Gold	FIRST MINING GOLD COF	209	2
MAG	Gold	MAG SILVER CORP	2,982	2
CDE US	Gold	COEUR MINING INC	5,687	2
CTGO	Gold	CONTANGO ORE INC	248	2
AG	Gold	FIRST MAJESTIC SILVER	5,538	3
BTO	Gold	B2GOLD CORP	6,530	3
CRRX	Health Care	CARERX CORP	186	2
SIA	Health Care	SIENNA SENIOR LIVING II	1,749	3
ZDC	Industrials	ZEDCOR INC	430	1
MDA	Industrials	MDA LTD	4,447	1
GRID	Industrials	TANTALUS SYSTEMS HO	148	2
BDGI	Industrials	BADGER	1,643	3
MNO	Materials ex-Gol	MERIDIAN MINING UK SO	289	1
FWZ	Materials ex-Gol	FIREWEED METALS COR	560	1
ASCU	Materials ex-Gol	ARIZONA SONORAN COF	412	1
ATX	Materials ex-Gol	ATEX RESOURCES INC	658	2
ALDE	Materials ex-Gol	ALDEBARAN RESOURCE	418	2
NGEX	Materials ex-Gol	NGEX MINERALS	3,271	2
GEO	Materials ex-Gol	GEODRILL LTD	171	2
VNP	Materials ex-Gol	5N PLUS INC	832	3
NEO	Materials ex-Gol	NEO PERFORMANCE MA	598	3
BRVO	Materials ex-Gol	BRAVO MINING CORP	314	3
IIP-U	Real Estate	INTERRENT REAL ESTAT	2,018	3
CLS	Technology	CELESTICA INC	23,951	1
PNG	Technology	KRAKEN ROBOTICS INC	802	2
ISC	Technology	INFORMATION SERVICES	604	3

SORT				
Ticker	Sector	Company	Mkt Cap	Long-term
RCI/B	Communications	ROGERS COMMUNICATIO	23,357	8
PET	Consumer Discr	PET VALU HOLDINGS LTI	2,265	4
XTC	Consumer Discr	EXCO TECHNOLOGIES L	268	8
MRE	Consumer Discr	MARTINREA INTERNATIC	635	9
AAV	Energy	ADVANTAGE OIL & GAS L	1,937	4
TVE	Energy	TAMARACK VALLEY ENEI	2,463	5
SES	Energy	SECURE ENERGY SERVI	3,468	5
KEL	Energy	KELT EXPLORATION LTD	1,491	5
NVA	Energy	NUVISTA ENERGY LTD	2,946	5
SDE	Energy	SPARTAN DELTA CORP	760	7
NSE	Energy	NEW STRATUS ENERGY	52	7
SGY	Energy	SURGE ENERGY INC	610	8
NXE	Energy	NEXGEN ENERGY LTD	5,275	8
PXT	Energy	PAREX RESOURCES INC	1,388	9
MATR	Energy	SHAWCOR LTD	785	9
DML	Energy	DENISON MINES CORP	2,245	9
JOY	Energy	JOURNEY ENERGY INC	134	9
BMO	Financials	BANK OF MONTREAL	109,268	4
DE	Financials	DECISIVE DIVIDEND COR	149	4
NA	Financials	NATIONAL BANK OF CAN	55,271	4
LB	Financials	LAURENTIAN BANK OF C	1,363	5
DIV	Financials	DIVERSIFIED ROYALTY C	543	5
RY	Financials	ROYAL BANK OF CANADA	252,043	5
TSU	Financials	TRISURA GROUP LTD	2,104	5
CF	Financials	CANACCORD GENUITY G	1,066	5
GSY	Financials	GOEASY LTD	2,762	8
ABX	Gold	BARRICK GOLD CORP	49,285	4
SGD	Gold	SNOWLINE GOLD CORP	1,367	4
CG	Gold	CENTERRA GOLD INC	2,073	4
EIF	Industrials	EXCHANGE INCOME COF	3,271	4
BDI	Industrials	BLACK DIAMOND GROUP	618	4
CHR	Industrials	CHORUS AVIATION INC	584	5
HPS/A	Industrials	HAMMOND POWER SOLL	1,476	6
AC	Industrials	AIR CANADA-CLASS B	6,293	6
BOS	Industrials	AIRBOSS OF AMERICA C	128	6
SIS	Industrials	SAVARIA CORP	1,403	7
ATS	Industrials	ATS AUTOMATION TOOLI	4,309	7
CJT	Industrials	CARGOJET INC	1,584	9
MARI	Materials ex-Gol	MARIMACA COPPER	777	4
HBM	Materials ex-Gol	HUDBAY MINERALS INC	5,855	4
NEXM	Materials ex-Gol	PREMIUM NICKEL RESOL	275	5
CCL/b	Materials ex-Gol	CCL INDUSTRIES INC - CI	14,033	5
LUN	Materials ex-Gol	LUNDIN MINING CORP	12,850	5
WRN	Materials ex-Gol	WESTERN COPPER	343	6
ERO	Materials ex-Gol	ERO COPPER CORP	2,445	6
CS	Materials ex-Gol	CAPSTONE COPPER COF	6,711	7
ASTL	Materials ex-Gol	ALGOMA STEEL GROUP I	1,014	8
LIFT	Materials ex-Gol	LI-FT POWER LTD	120	9
NANO	Materials ex-Gol	NANO ONE MATERIALS C	83	10
PMET	Materials ex-Gol	PATRIOT BATTERY META	412	10
KMP-U	Real Estate	KILLAM APARTMENT REA	2,323	5
APR-U	Real Estate	AUTOMOTIVE PROPERTI	539	6
PKT	Real Estate	PARKIT ENTERPRISE INC	129	6
MI-U	Real Estate	MINTO APARTMENT REA	935	7
NXLV	Real Estate	NEXLIVING COMMUNITIE	63	7
AFN	staples	AG GROWTH INTERNATI	799	9
HAI	Technology	HAIVISION SYSTEMS INC	146	5
CGY	Technology	CALIAN GROUP LTD	572	7
SPB	Utilities	SUPERIOR PLUS CORP	1,822	4
NPI	Utilities	NORTHLAND POWER INC	5,758	6



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