

Quintile Analysis Engine Report V3.2

QAE Guide / Contact

By Simon Hobbs



System Fundamentals

www.system-fundamentals.com

Minimal guide provided below
→ See 'QAE Guide' for more details



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The **QAE Product** transforms 2 sets of cardinal daily metrics into ordinal **Q-Bands**, ranking and counting them across **Fixed Timeframes** using **Reverse Chronology**. The dataset is a closed 365/366-day historical envelope anchored to **Newest Date**. QAE processes 2 metric sets through 2 independent lenses: **M1 Baseline (BL)** and **M2 Reaction (RL)**. QAE is strictly historical making yesterday the newest allowable date.

Metric 1 - M1 → Baseline Lens **○_BL =**

Metric 2 - M2 → Reaction Lens **△_RL =**

Ranked by absolute state within the Complete One-Year Range

Reshaped to Reaction Intensity from Prior State then Ranked abs 1yr range

Border colors indicate timeframes

1 Month

3 Months

6 Months

1 Year

Distant 6M

Reserved space: Automated system status and integration details

QAE - Quintile Analysis Engine
LEADING EDGE PAGE
* Stock Market Skin *

REPORT TITLE: nVidia / NVDA / 2022 / NY / Metric 1 Volume / Metric 2 Close Price USD / EDT UTC -4hrs

Newest: Dec 31, 2022
Oldest: Jan 1, 2022
Newest Active Date: Dec 30, 2022
UTC-04:00 Atlantic Canada / Venezuela
QAE Timestamp: 2026-06-21 | 07:24:53

Day Count 365
Active Days 252
Participation 69.04%

○_BL_M1 Baseline 1 Year

Newest Active Dec 30, 2022
Volume
310,489,797
Weak
Consecutive Days
(no direction) Weak = 3

Lowest Volume Nov 25, 2022 167,934,298
Highest Volume Sep 1, 2022 1,178,864,828

Baseline Lens Q-Band M1
Volume Cut-Offs

Weak | Up To - 435,180,696.00
Moderate | Up To - 496,131,905.00
Median | Up To - 557,049,294.00
Strong | Up To - 653,142,453.00
Peak | Up To - 1,178,864,828.00

△_RL_M2 Reaction 1 Year

Newest Active Dec 30, 2022
Close Price USD % Change
0.068% = 14.61
Weak ▲
Consecutive Days
Weak ▲ = 1
(no direction) Weak = 1

Lowest % Change Jan 24, 2022 0.000%
Highest % Change Nov 10, 2022 14.296%

Reaction Lens Q-Band M2
Close Price % Change Cut-Offs

Weak | Up To - 1.1020%
Moderate | Up To - 2.0423%
Median | Up To - 3.2558%
Strong | Up To - 5.2756%
Peak | Up To - 14.2961%

○_BL_M1 Baseline & △_RL_M2 Reaction Newest Historical Activity 1 Year

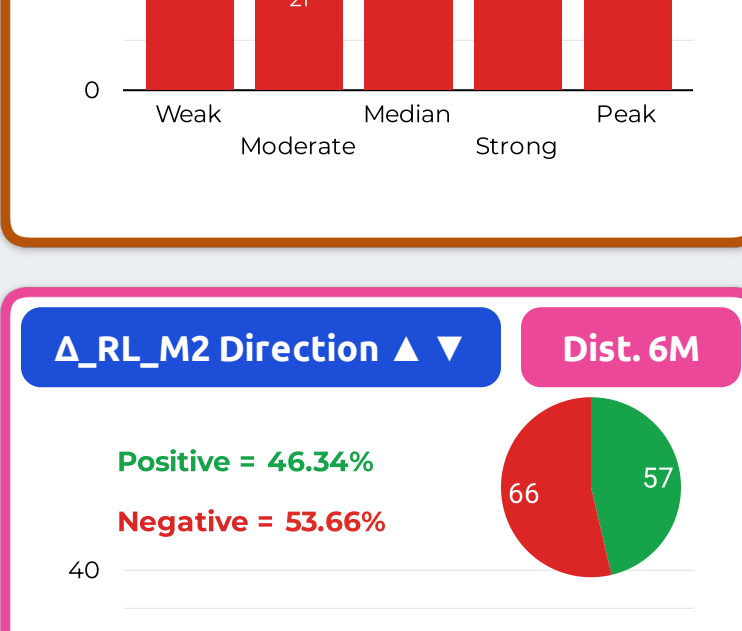
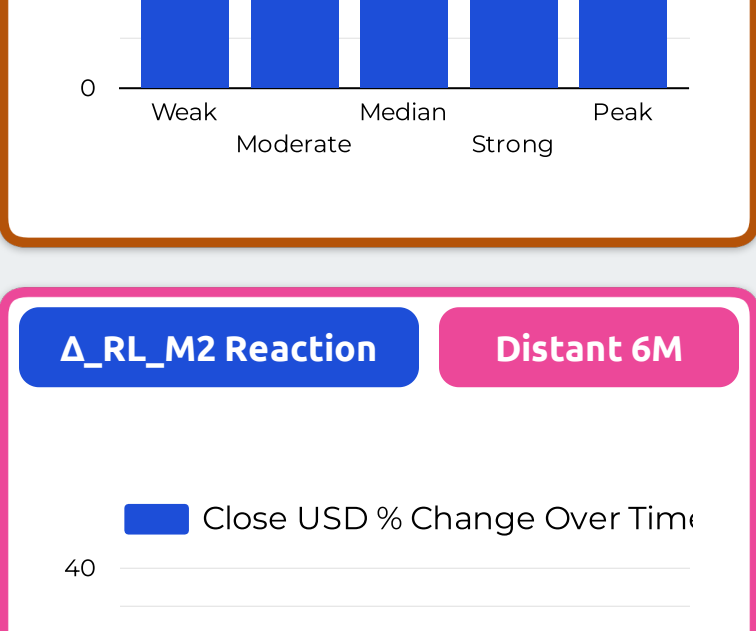
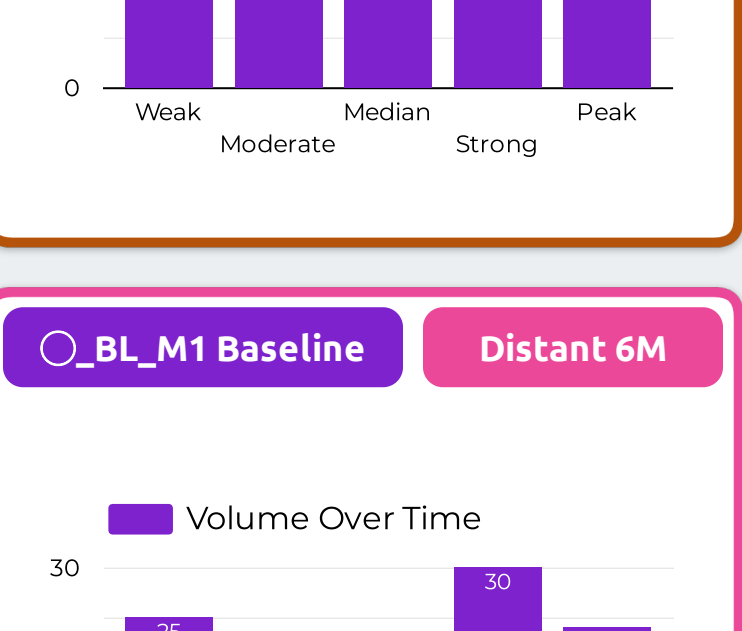
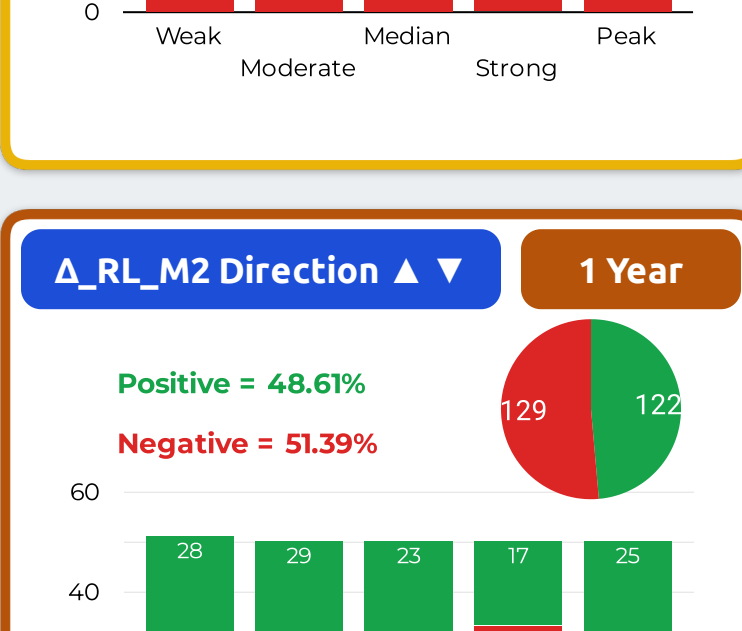
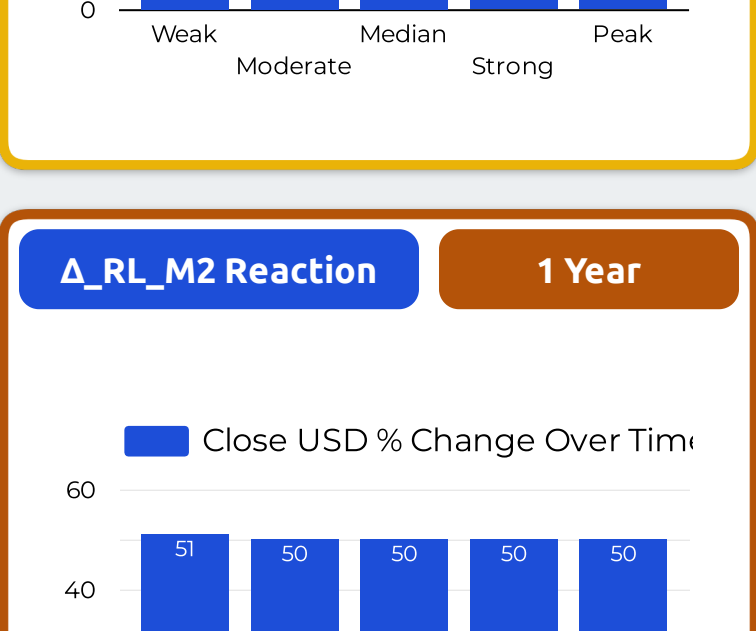
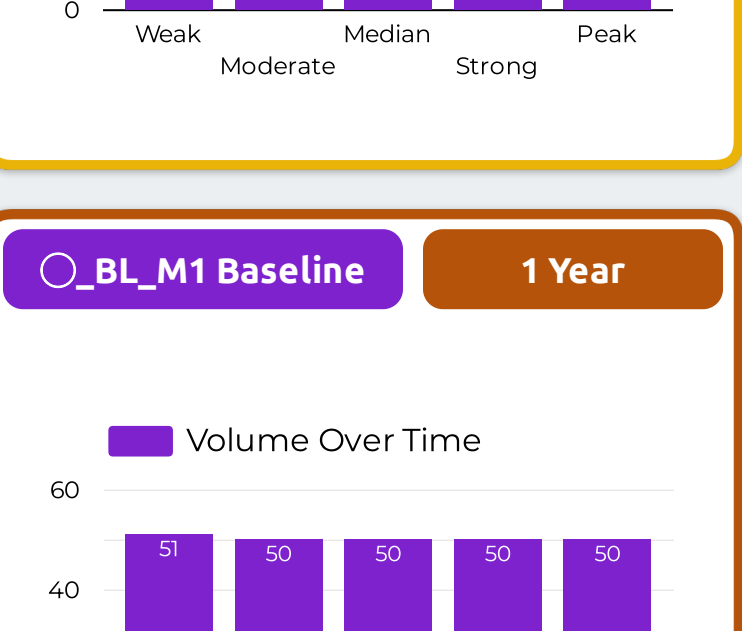
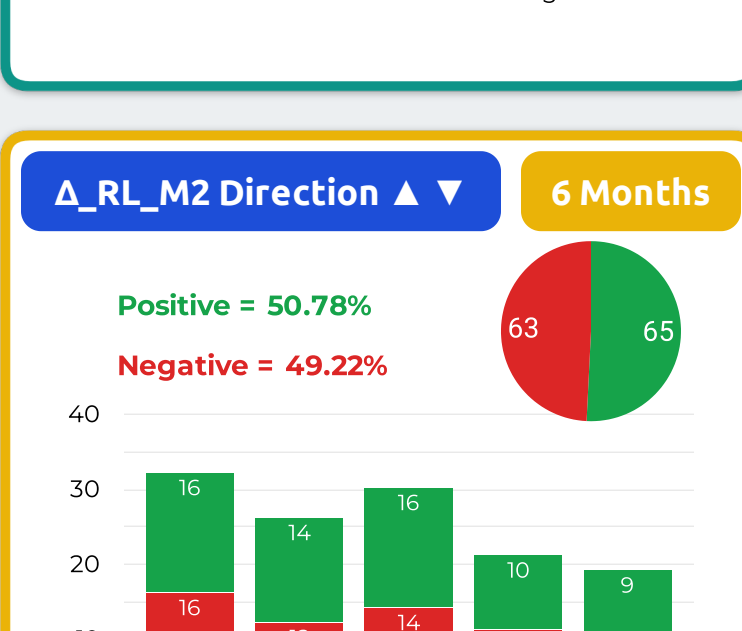
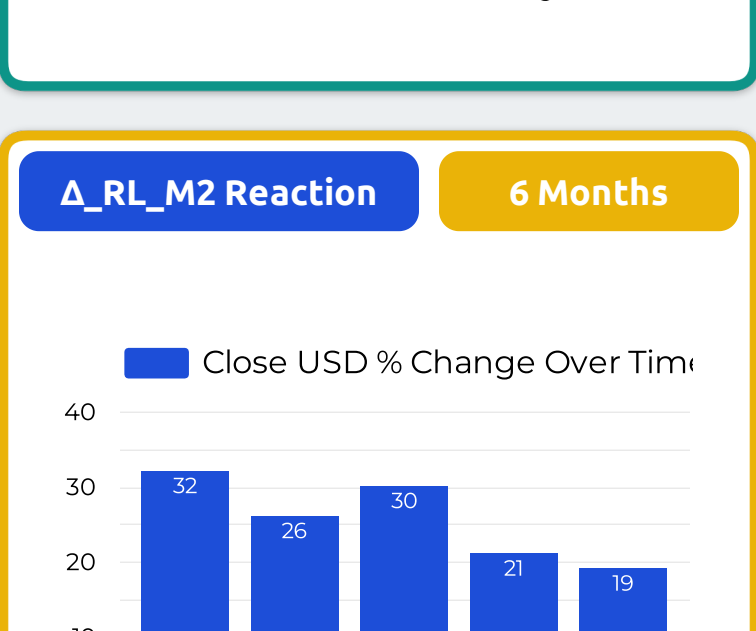
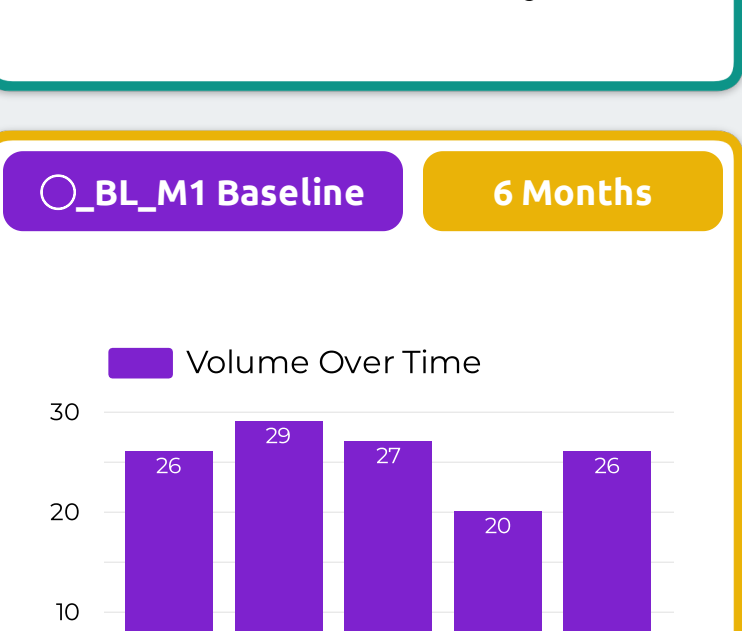
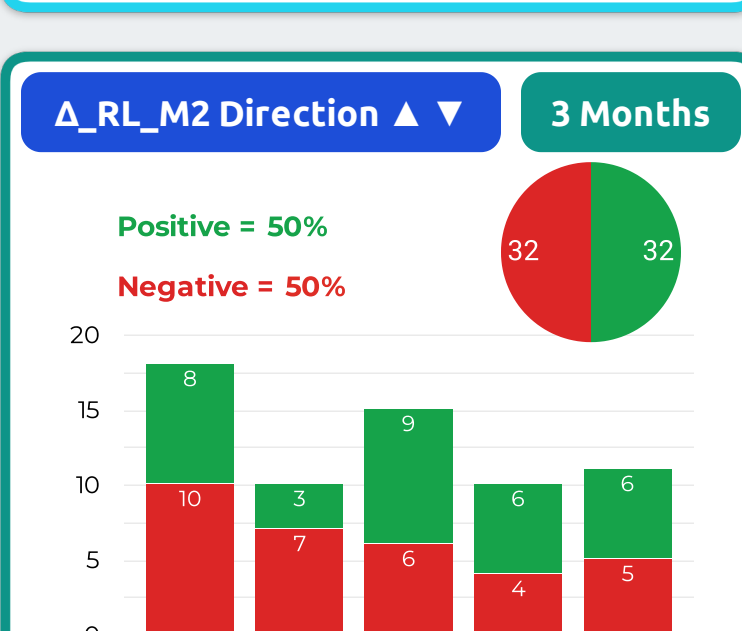
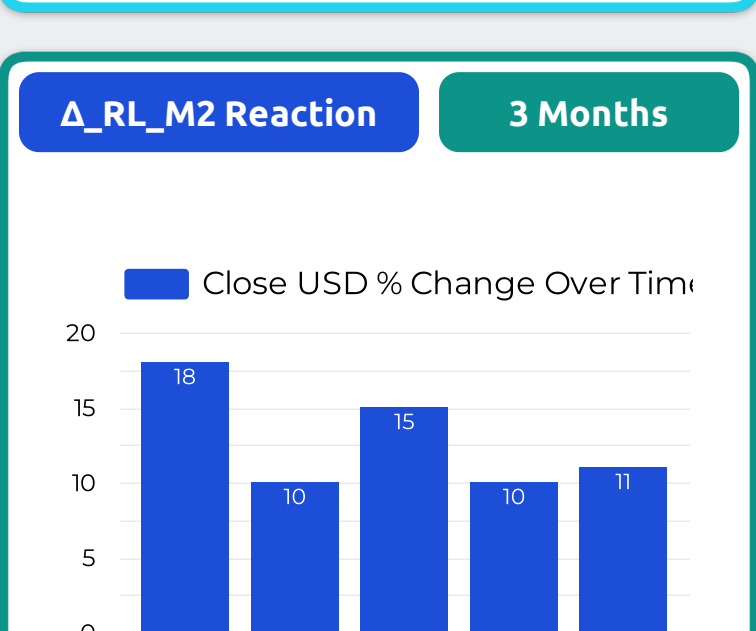
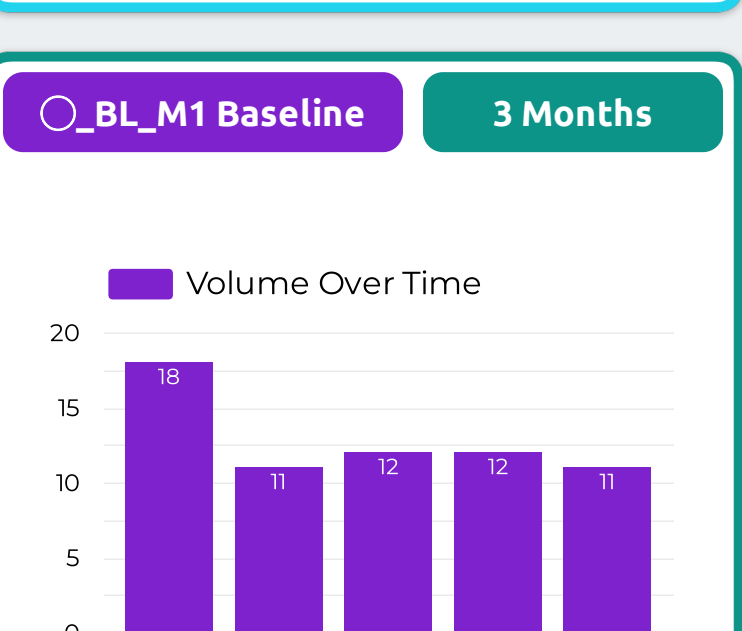
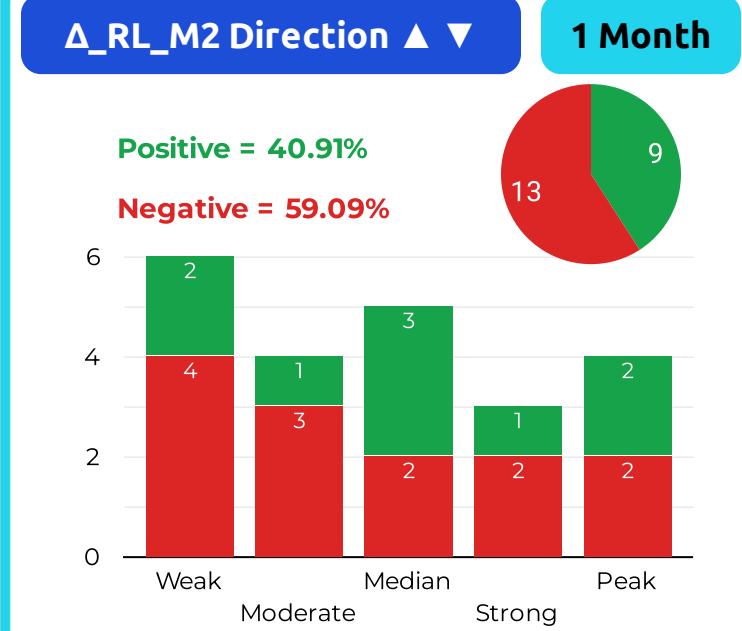
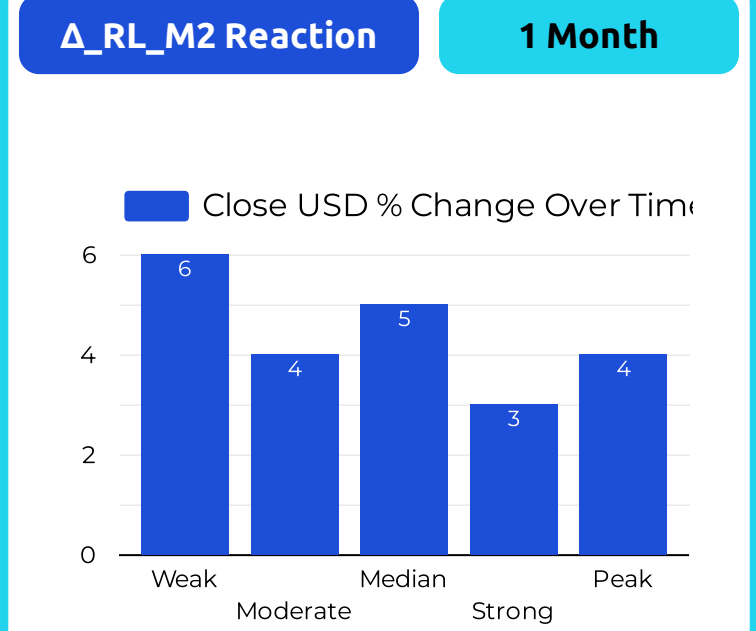
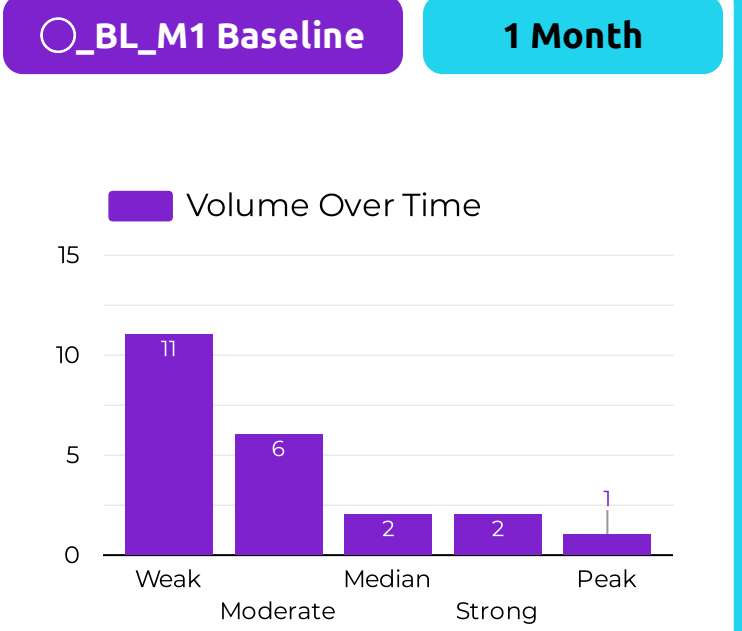
Local History Q-Bands: M1 = Volume | M2 = Close Price % Change

Peak - Volume M1

Peak - Price % Change M2

Date	○_BL_M1	Position	△_RL_M2	Peak List	Date_○_BL...	Peak List	Date_△_RL...
Dec 30, 2022	Weak	First Active Date	Weak ▲	1	Dec 13, 2022	1	Dec 27, 2022
Dec 29, 2022	Weak	2nd Active Date	Strong ▲	2	Nov 17, 2022	2	Dec 22, 2022
Dec 28, 2022	Weak	3rd	Weak ▼	3	Nov 11, 2022	3	Dec 8, 2022
Dec 27, 2022	Moderate	4th	Peak ▼	4	Nov 10, 2022	4	Nov 30, 2022
Dec 23, 2022	Weak	5th	Weak ▼	5	Nov 2, 2022	5	Nov 10, 2022
Dec 22, 2022	Strong	6th	Peak ▼	6	Oct 18, 2022	6	Nov 9, 2022
Dec 21, 2022	Weak	7th	Median ▲	7	Oct 14, 2022	7	Nov 4, 2022
Dec 20, 2022	Weak	8th	Weak ▼	8	Oct 13, 2022	8	Oct 17, 2022
Dec 19, 2022	Weak	9th	Moderate ▼	9	Oct 11, 2022	9	Oct 14, 2022
Dec 16, 2022	Moderate	10th	Median ▼	10	Oct 10, 2022	10	Oct 7, 2022

Q-Band Counts 5 Timeframes: M1 = Volume | M2 = Close Price % Change plus Directional Polarity Bias



△_RL_M2 Reaction △_RL_M2 Average % Change (Timeframes) Mixed Timeframes

△_RL_M2 Average Close USD % Change

Timeframe Period Average Reaction

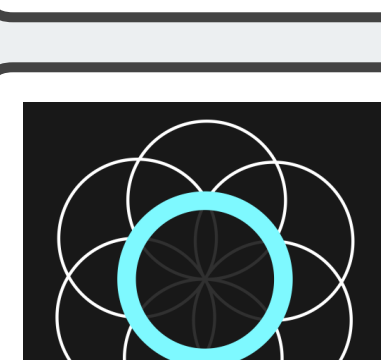
10 Active Days	2.86%
1 Month	2.93%
3 Months	2.92%
6 Months	2.83%
1 Year	3.2%
Distant 6 Months	3.58%

Additional Overlay details which so far seem useful with stable stock market data.

Reshaped Metric Values showing the Reaction Intensity averages over different timeframes.

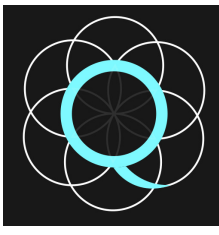
An Overlay of Reaction Intensity as %, not quantile ranked.

These are non-negative % values before Ordinal Ranking.



Version 3.1 - 31 May 2026
- New Dew Point Skin
- Improved decimal point handling in QAE Engine
- Added optional Random Micro Jitter (Multiplicative)
- Added optional Random Micro Jitter for Zeros (Additive)
- Added optional Ground Zero Constant Offset
- Corrected the Weak to Peak direction on heatmaps

Version 3.2 - 20 June 2026
- Reaction % primary container. Corrected the number rounding on the panel
- Minor adjustments



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Ranked by absolute state within the Complete One-Year Range

Reshaped to Reaction Intensity from Prior State then Ranked abs 1yr range

All containers show identification badges for timeframes plus lens type with metric identity

Border colors indicate timeframes

1 Month

3 Months

6 Months

1 Year

Distant 6M

Reserved space: Automated system status and integration details

QAE - Quintile Analysis Engine

SEASONAL BACK-STITCH PAGE

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○_BL_M1 Baseline

1 Year

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Volume

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Weak

Consecutive Days

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Lowest Volume

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△_RL_M2 Reaction

1 Year

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Close Price USD % Change

0.068%

= 14.61

Weak ▲

Consecutive Days

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○_BL_M1 Baseline

&

△_RL_M2 Reaction

Newest Historical Activity

1 Year

Local History Q-Bands: M1 = Volume | M2 = Close Price % Change

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Dec 20, 2022	Weak	8th	Weak ▼
Dec 19, 2022	Weak	9th	Moderate ▼
Dec 16, 2022	Moderate	10th	Median ▼

Peak List	Date_○_BL...
1	Dec 13, 2022
2	Nov 17, 2022
3	Nov 11, 2022
4	Nov 10, 2022
5	Nov 2, 2022
6	Oct 18, 2022
7	Oct 14, 2022
8	Oct 13, 2022
9	Oct 11, 2022
10	Oct 10, 2022

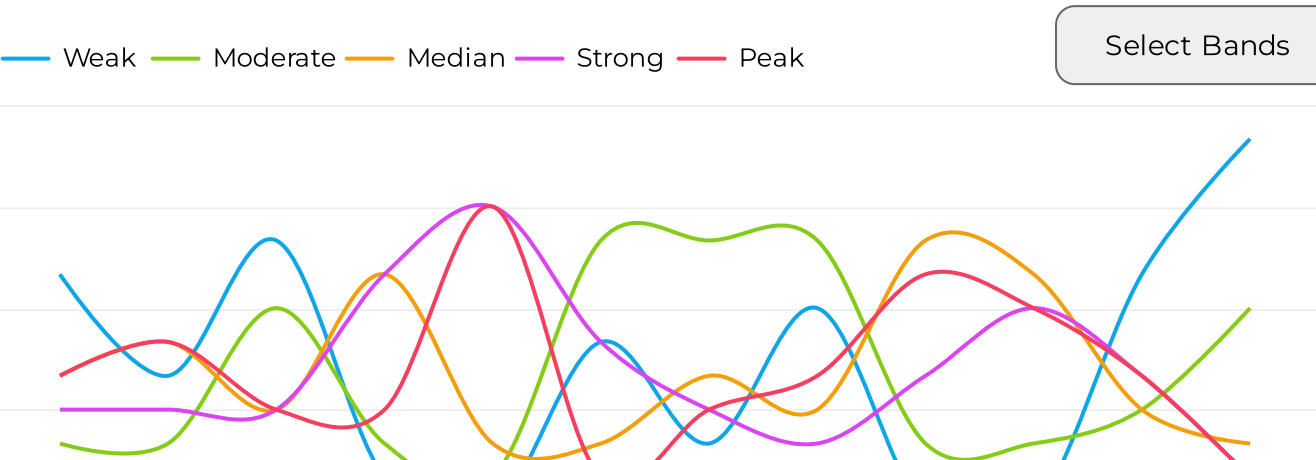
Peak List	Date_△_RL...
1	Dec 27, 2022
2	Dec 22, 2022
3	Dec 8, 2022
4	Nov 30, 2022
5	Nov 10, 2022
6	Nov 9, 2022
7	Nov 4, 2022
8	Oct 17, 2022
9	Oct 14, 2022
10	Oct 7, 2022

Monthly Q-Band Counts: ON-TOP M1 = Volume ---- BELOW M2 = Close Price USD % Change

○_BL_M1 Baseline

Monthly Q-Band Volume Trajectory

1 Year



○_BL_M1 Baseline

Monthly Q-Band Volume Dispersion

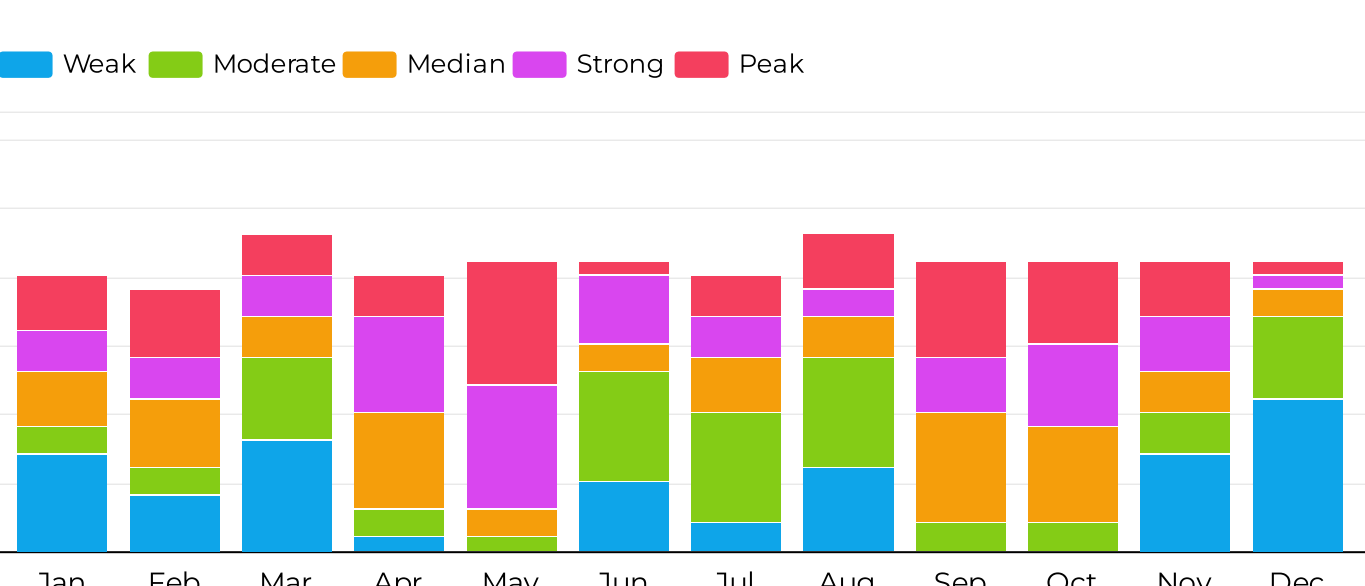
1 Year

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Peak	4	5	3	3	9	1	3	4	7	6	4	1
Strong	3	3	3	7	9	5	3	2	4	6	4	1
Median	4	5	3	7	2	2	4	3	8	7	3	2
Moderate	2	2	6	2	1	8	8	8	2	2	3	6
Weak	7	4	8	1	0	5	2	6	0	0	7	11

○_BL_M1 Baseline

Monthly Q-Band Volume Proportions

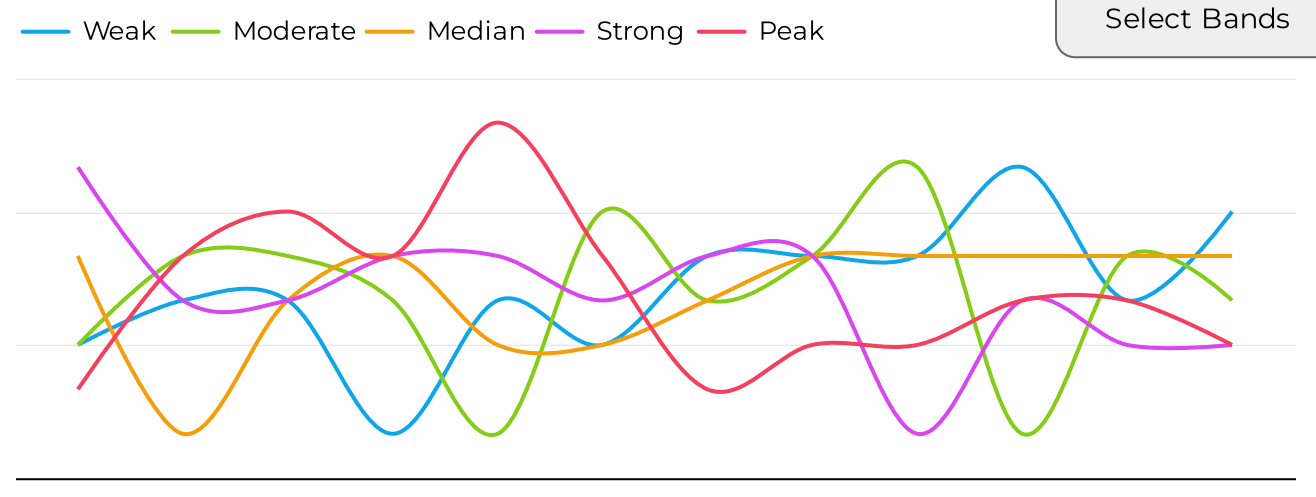
1 Year



△_RL_M2 Reaction

Monthly Q-Band % Change Trajectory

1 Year



△_RL_M2 Reaction

Monthly Q-Band % Change Dispersion

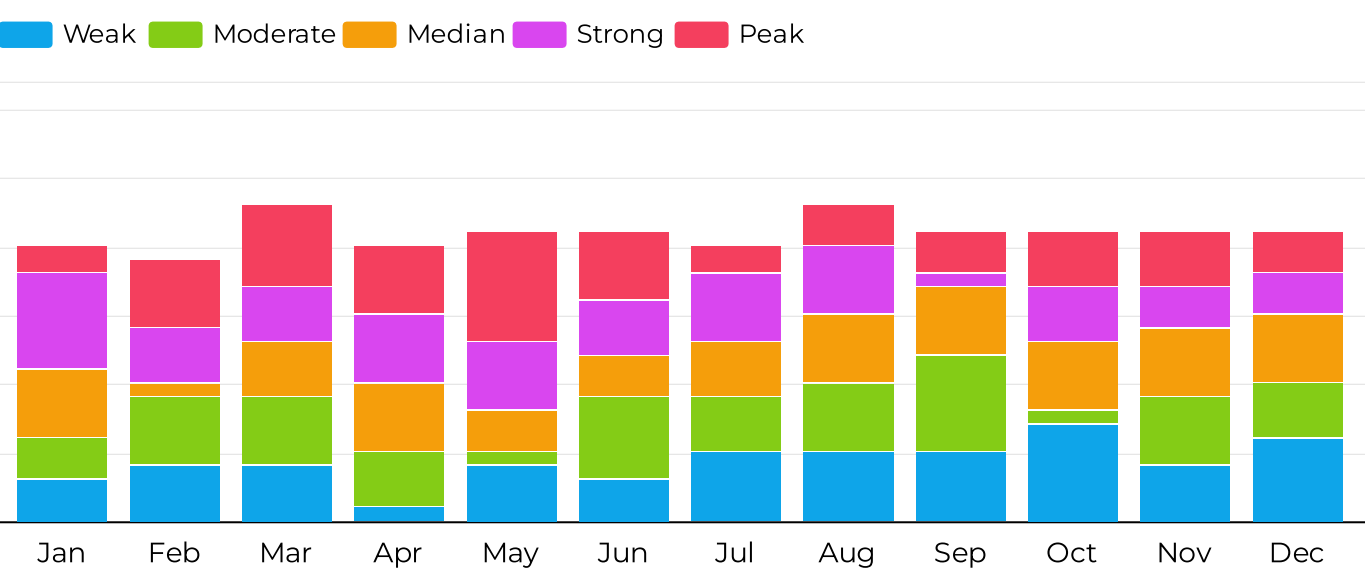
1 Year

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Peak	2	5	6	5	8	5	2	3	3	4	4	3
Strong	7	4	4	5	5	4	5	5	1	4	4	3
Median	5	1	4	5	3	3	4	5	5	5	5	5
Moderate	3	5	5	4	1	6	4	5	7	1	5	4
Weak	3	4	4	1	4	3	5	5	5	7	4	6

△_RL_M2 Reaction

Monthly Q-Band % Change Proportions

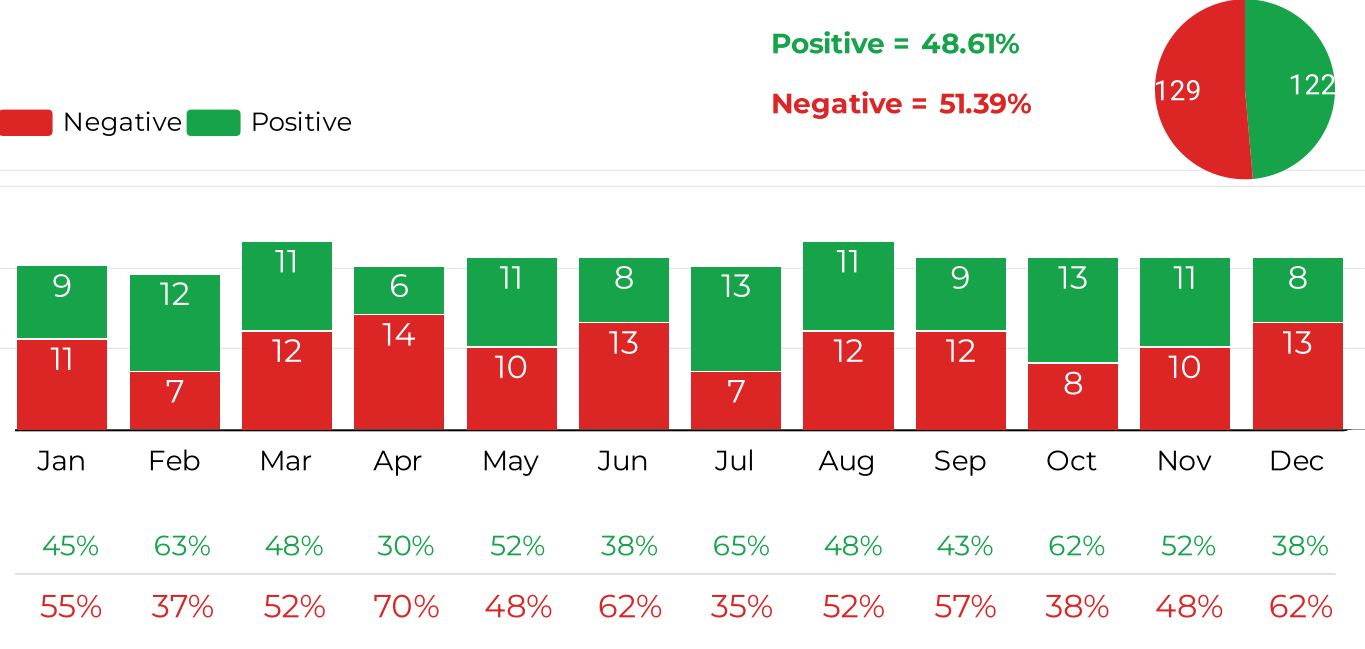
1 Year



△_RL_M2 Direction ▲ ▼

Monthly Reaction Directional Polarity

1 Year



These 3 barcharts / tables leftside are all from the same underlying M1 data-table which has indexed Q-Bands assigned to monthly buckets

These 3 barcharts / tables leftside are all from the same underlying M2 data-table which has indexed Q-Bands assigned to monthly buckets

The Directional Bias barchart is a separated polarity data-table