

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 **Q_BL =**
Metric 2 - M2 → Reaction Lens **Δ_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

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

Reserved space: Automated system status and integration details

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

REPORT TITLE: NVDA / 2026-07-01 / NY / Metric 1 Volume / Metric 2 Close Price USD / EDT UTC -4hrs

Newest: Jul 1, 2026
Oldest: Jul 2, 2025
Newest Active Date: Jul 1, 2026

UTC-04:00 Atlantic Canada / Venezuela

QAE Timestamp: 2026-07-02 | 03:06:36

Day Count 365Active Days 251Participation 68.77%

Q_BL_M1 Baseline1 Year

Newest Active Jul 1, 2026
Volume
146,147,594
Moderate
Consecutive Days
(no direction) Moderate = 1

Lowest Volume
Dec 24, 2025
65,528,551
Highest Volume
Feb 26, 2026
360,807,906

Baseline Lens Q-Band M1
Volume Cut-Offs

Weak | Up To - 140,023,500.00
Moderate | Up To - 158,831,500.00
Median | Up To - 177,731,203.00
Strong | Up To - 204,019,594.00
Peak | Up To - 360,807,906.00

Δ_RL_M2 Reaction1 Year

Newest Active Jul 1, 2026
Close Price USD % Change
1.254%
= 197.58
Median
Consecutive Days
Median = 1
(no direction) Median = 1

Lowest % Change
May 4, 2026
0.015%
Highest % Change
Feb 6, 2026
7.872%

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

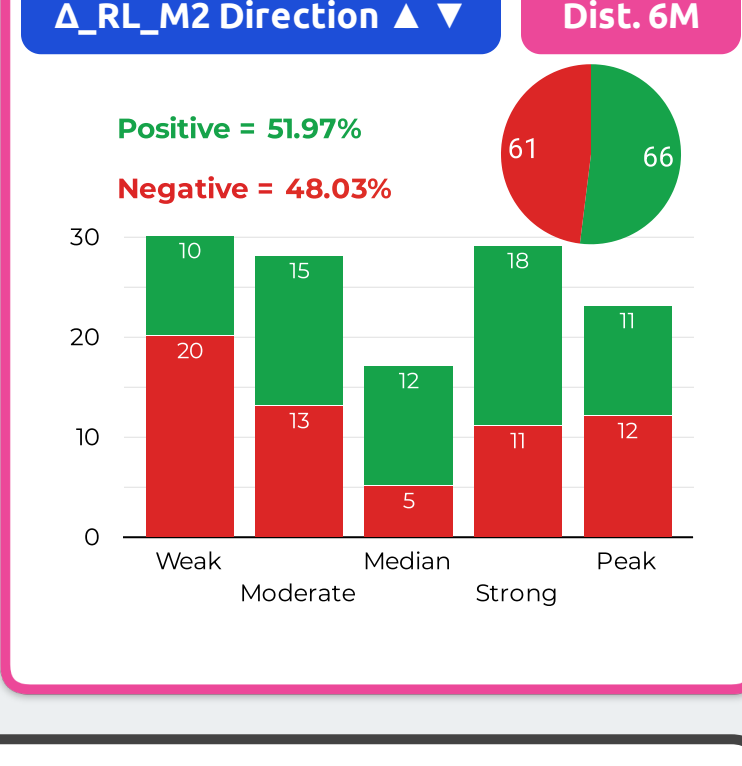
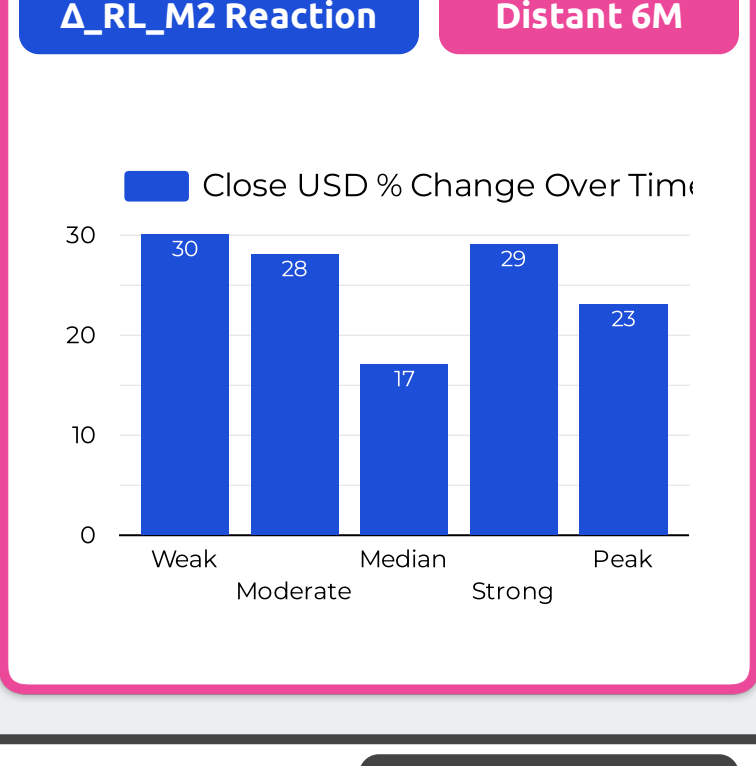
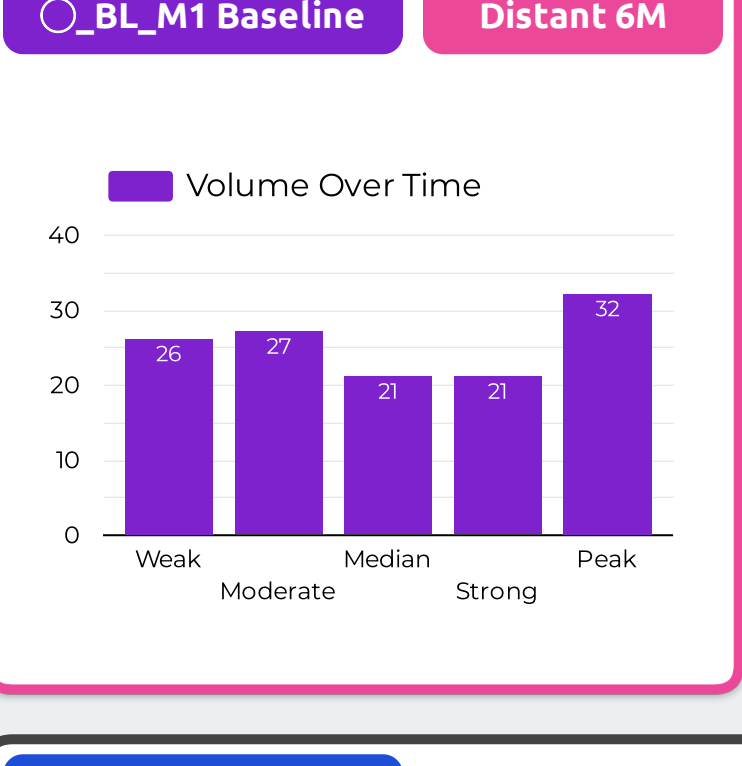
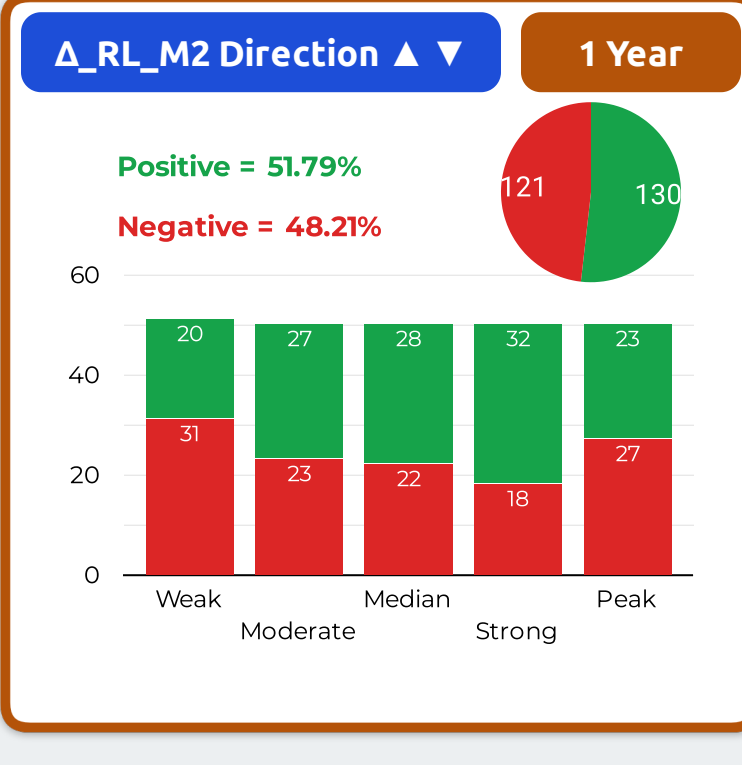
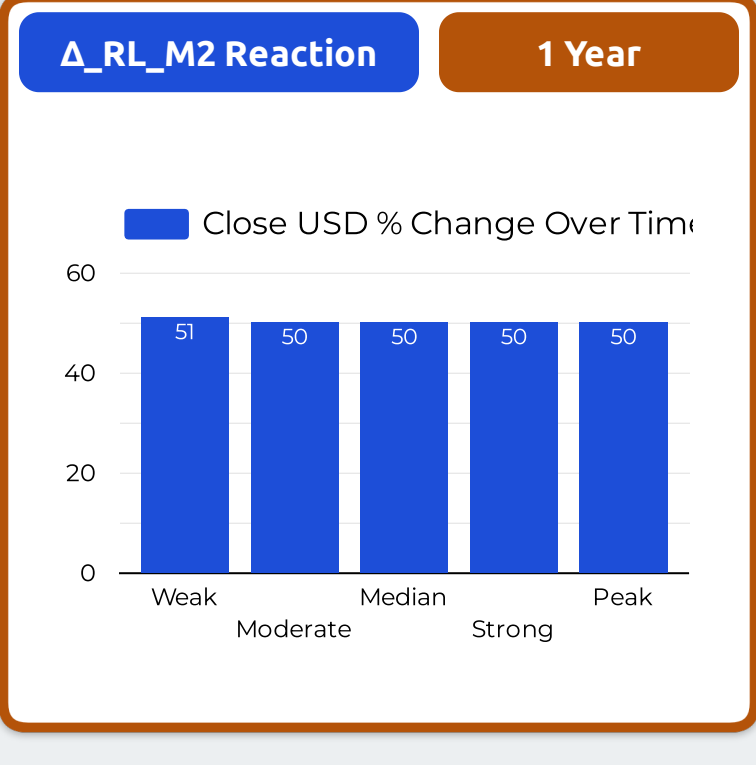
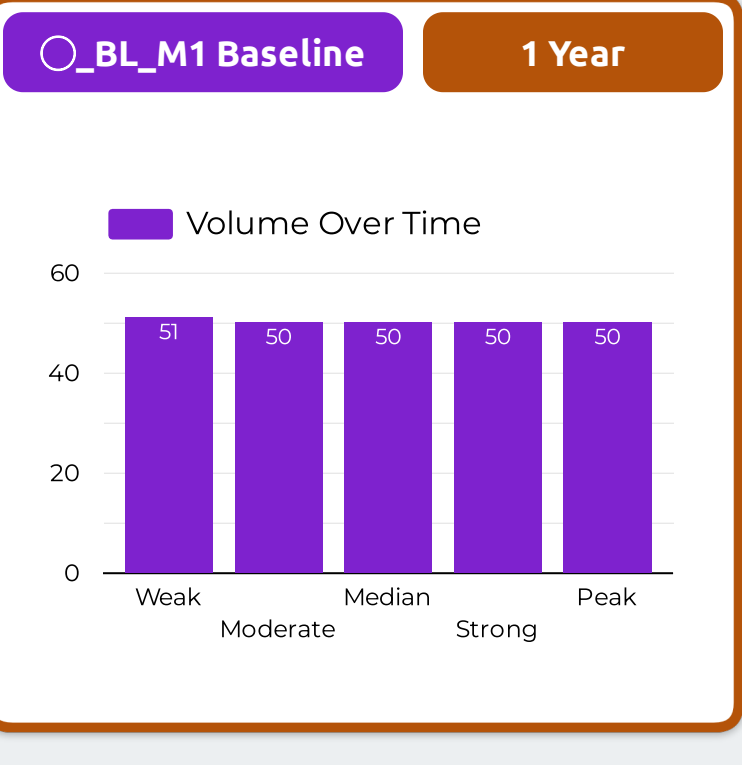
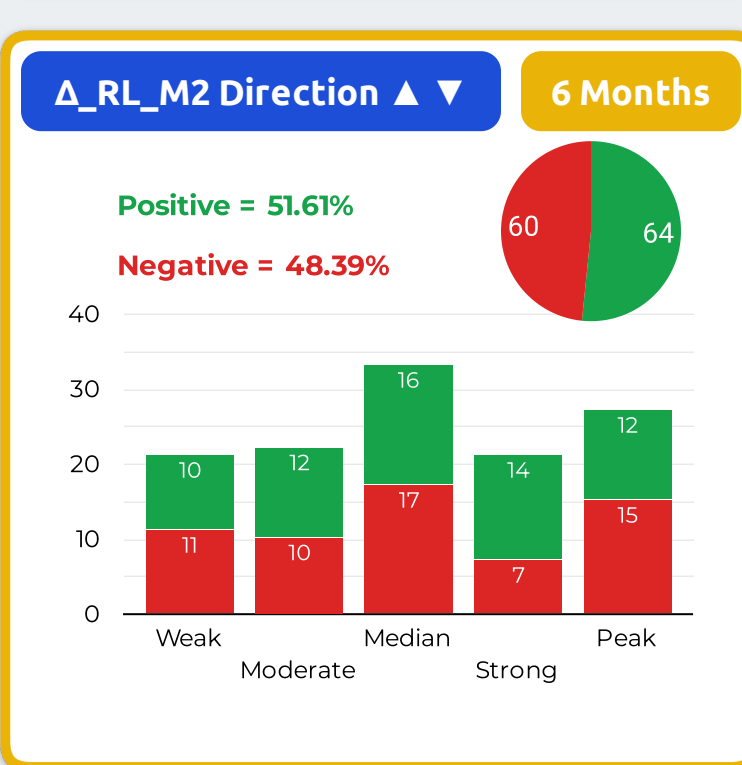
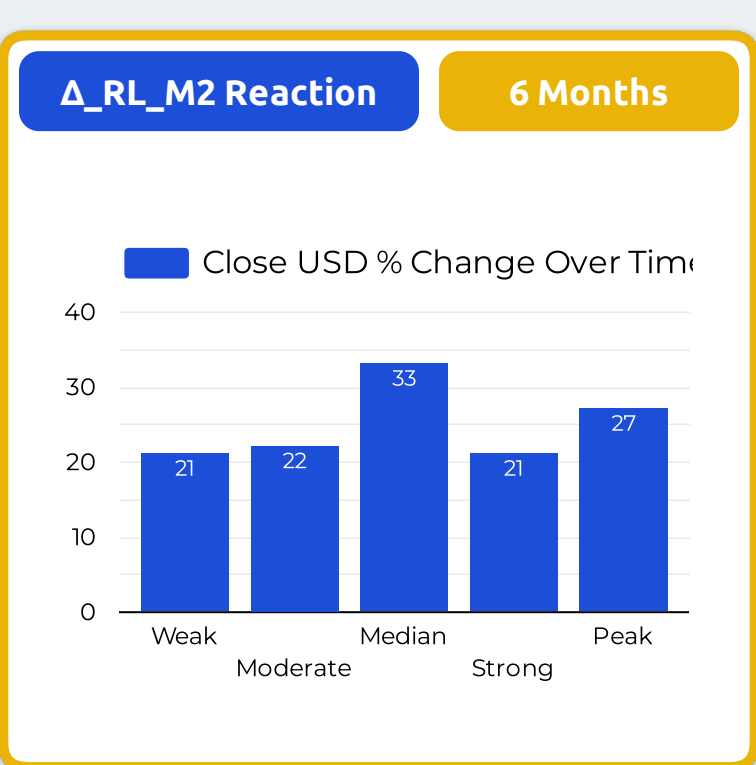
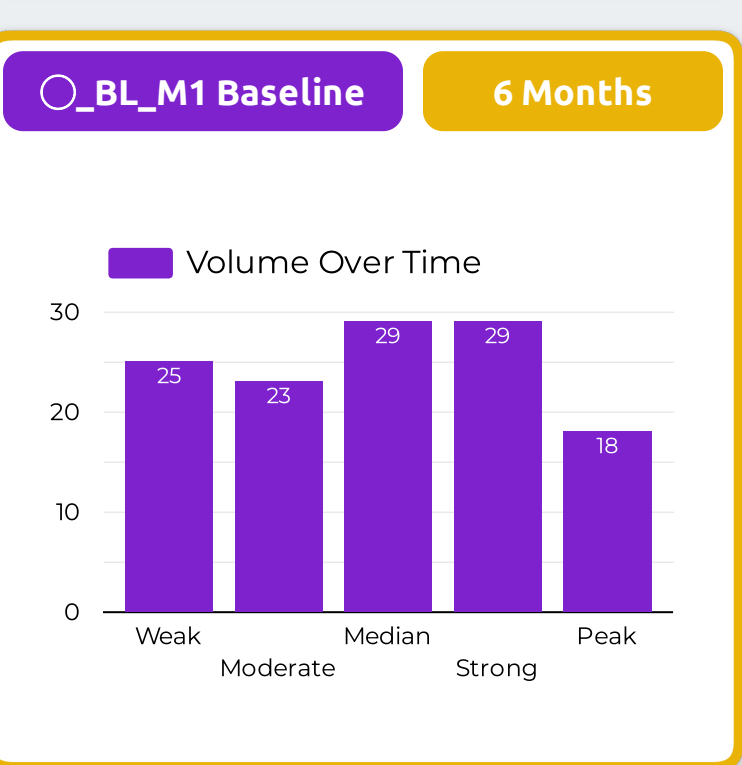
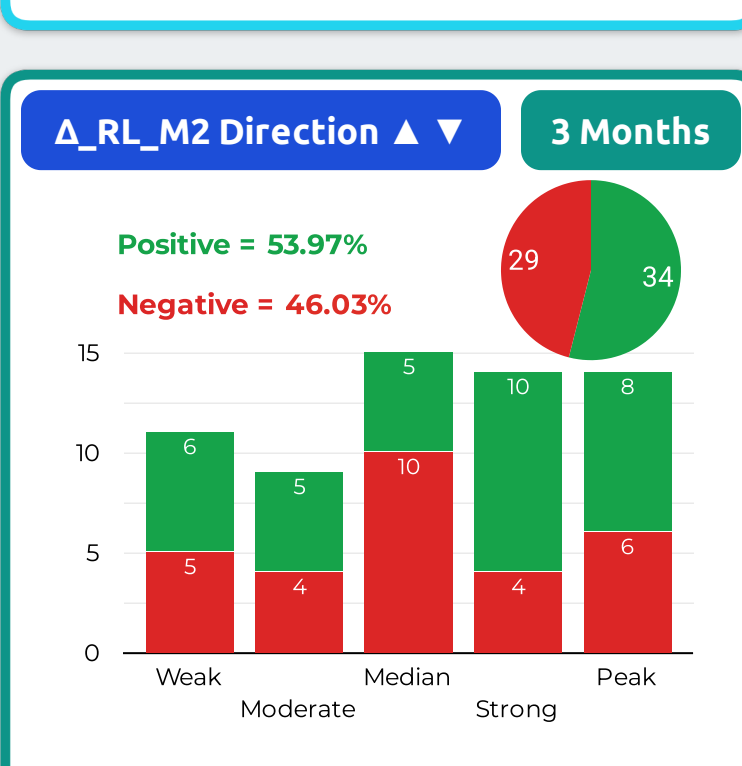
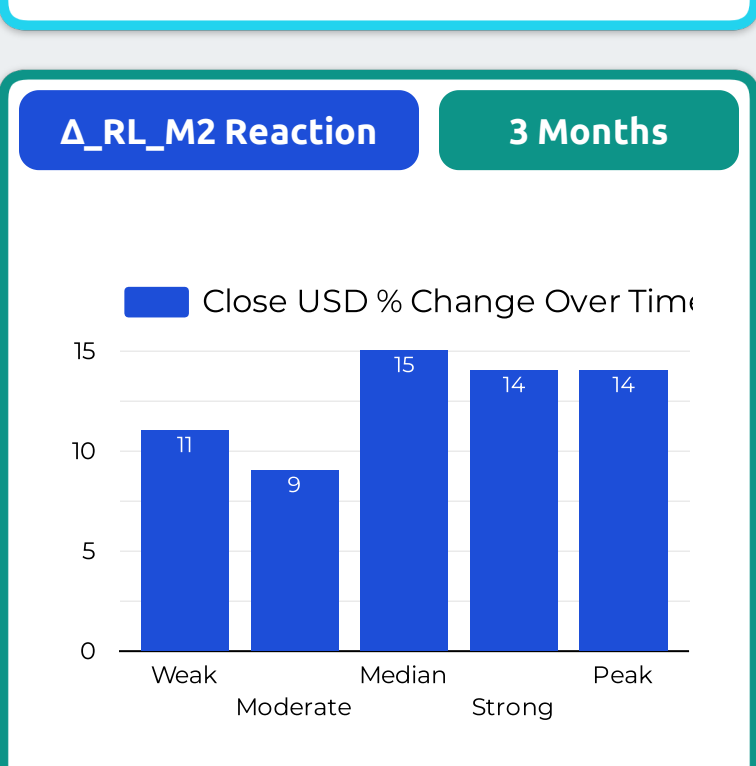
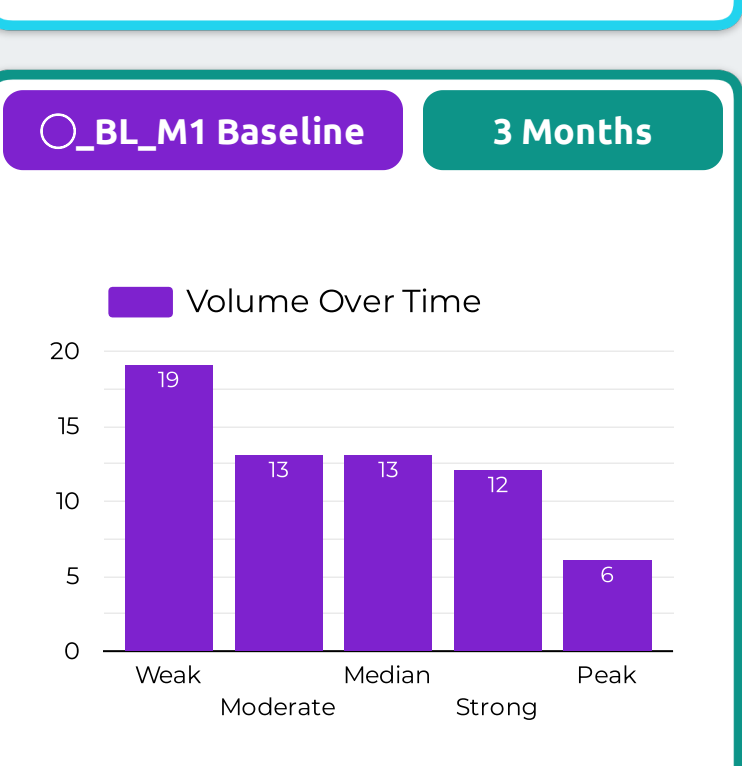
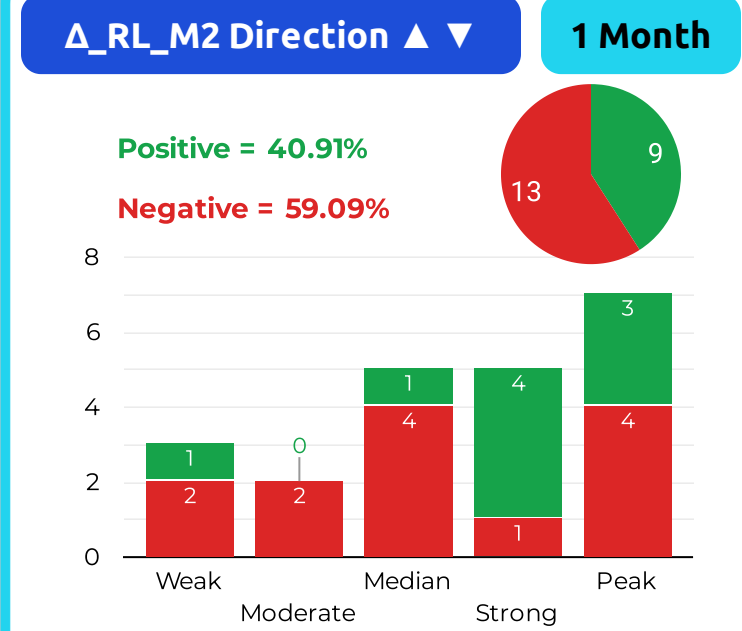
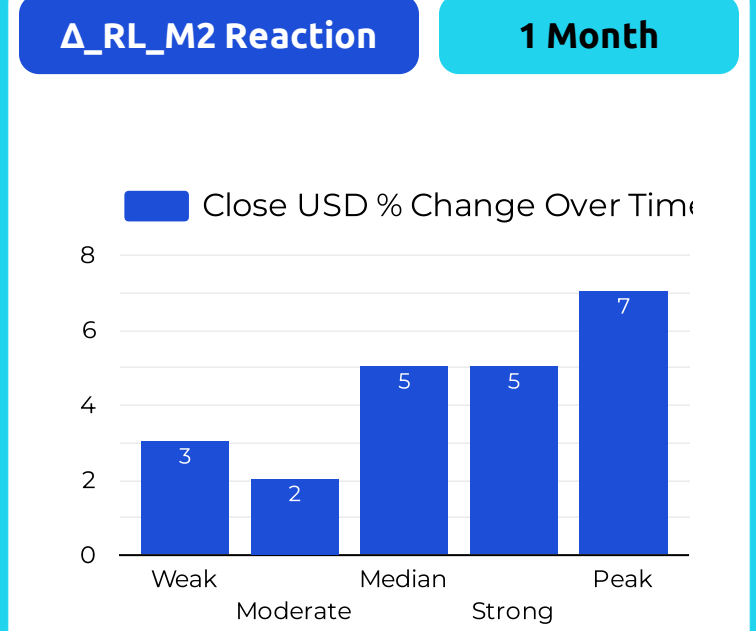
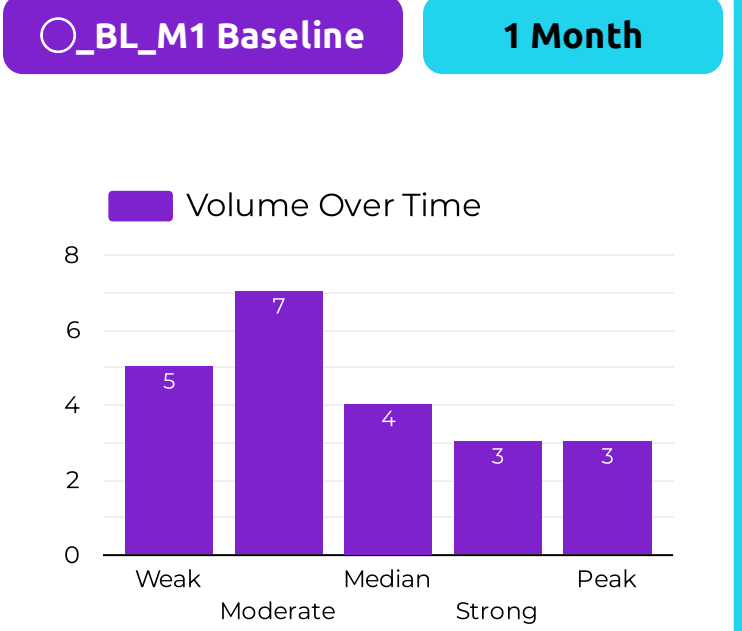
Weak | Up To - 0.5612%
Moderate | Up To - 1.0225%
Median | Up To - 1.7214%
Strong | Up To - 2.8172%
Peak | Up To - 7.8718%

Q_BL_M1 Baseline & Δ_RL_M2 ReactionNewest Historical Activity1 Year

Local History Q-Bands: M1 = Volume | M2 = Close Price % ChangePeak - Volume M1Peak - Price % Change M2

Date	Q_BL_M1	Position	Δ_RL_M2	Peak List	Date_Q_BL...	Peak List	Date_Δ_RL...
Jul 1, 2026	Moderate	First Active Date	Median ▼	1	Jun 18, 2026	1	Jun 23, 2026
Jun 30, 2026	Median	2nd Active Date	Strong ▲	2	Jun 5, 2026	2	Jun 18, 2026
Jun 29, 2026	Moderate	3rd	Median ▲	3	Jun 1, 2026	3	Jun 15, 2026
Jun 26, 2026	Strong	4th	Median ▼	4	May 29, 2026	4	Jun 10, 2026
Jun 25, 2026	Moderate	5th	Median ▼	5	Apr 30, 2026	5	Jun 5, 2026
Jun 24, 2026	Moderate	6th	Weak ▼	6	Apr 24, 2026	6	Jun 3, 2026
Jun 23, 2026	Moderate	7th	Peak ▼	7	Mar 31, 2026	7	Jun 1, 2026
Jun 22, 2026	Weak	8th	Moderate ▼	8	Mar 20, 2026	8	May 15, 2026
Jun 18, 2026	Peak	9th	Peak ▲	9	Mar 16, 2026	9	May 14, 2026
Jun 17, 2026	Weak	10th	Median ▼	10	Mar 2, 2026	10	May 6, 2026

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



Δ_RL_M2 ReactionΔ_RL_M2 Average % Change (Timeframes)Mixed Timeframes

Δ_RL_M2 Average Close USD % Change

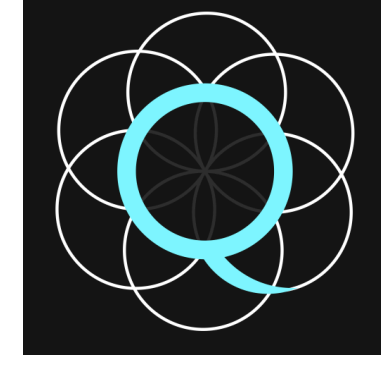
Timeframe Period	Average Reaction
10 Active Days	1.88%
1 Month	2.31%
3 Months	1.93%
6 Months	1.86%
1 Year	1.73%
Distant 6 Months	1.61%

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

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

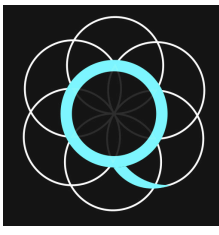
An Overlay of Reaction Intensity as %, not quantile ranked.

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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→ 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

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Day Count
365

Active Days
251

Participation
68.77%

○_{BL}_M1 Baseline

1 Year

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△_{RL}_M2 Reaction

1 Year

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1 Year

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Peak - Volume M1

Peak - Price % Change M2

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

○_{BL}_M1 Baseline

Monthly Q-Band Volume Trajectory

1 Year

Select Bands

○_{BL}_M1 Baseline

Monthly Q-Band Volume Dispersion

1 Year

month / count

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Peak	5	7	5	9	4	2	6	4	2	1	3	2
Strong	2	4	4	5	3	4	4	9	3	6	3	3
Median	3	2	3	3	6	5	6	5	4	5	4	4
Moderate	6	7	4	1	3	5	1	4	2	4	6	7
Weak	5	1	7	1	6	4	2	0	10	4	5	6

○_{BL}_M1 Baseline

Monthly Q-Band Volume Proportions

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

△_{RL}_M2 Reaction

Monthly Q-Band % Change Trajectory

1 Year

Select Bands

△_{RL}_M2 Reaction

Monthly Q-Band % Change Dispersion

1 Year

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

△_{RL}_M2 Reaction

Monthly Q-Band % Change Proportions

1 Year

△_{RL}_M2 Direction ▲ ▼

Monthly Reaction Directional Polarity

1 Year

Positive = 51.79%

Negative = 48.21%

121

130

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Negative	11	9	11	11	11	9	10	12	6	10	12	9
Positive	10	12	12	8	11	11	9	10	15	10	9	13

48% 57% 52% 42% 50% 55% 47% 45% 71% 50% 43% 59%

52% 43% 48% 58% 50% 45% 53% 55% 29% 50% 57% 41%

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