

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

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: nVidia / NVDA / 2024 / NY / Metric 1 Volume / Metric 2 Close Price USD / EDT UTC -4hrs

Newest: Dec 31, 2024

Oldest: Jan 1, 2024

Newest Active Date: Dec 31, 2024

UTC-04:00 Atlantic Canada / Venezuela

QAE Timestamp: 2026-06-21 | 06:23:07

Day Count
366

Active Days
252

Participation
68.85%

○_BL_M1 Baseline 1 Year

Newest Active Dec 31, 2024
Volume
155,659,203
Weak
Consecutive Days
(no direction) Weak = 6

Lowest Volume
Dec 24, 2024
105,157,000

Highest Volume
Mar 8, 2024
1,142,268,969

Baseline Lens Q-Band M1
Volume Cut-Offs

Weak | Up To - 232,010,265.40

Moderate | Up To - 306,661,201.40

Median | Up To - 400,439,346.80

Strong | Up To - 495,539,589.00

Peak | Up To - 1,142,268,969.00

△_RL_M2 Reaction 1 Year

Newest Active Dec 31, 2024
Close Price USD % Change
2.327%
= 134.29
Median ▼
Consecutive Days
Median ▼ = 1
(no direction) Median = 1

Lowest % Change
Apr 1, 2024
0.000%

Highest % Change
Feb 22, 2024
16.407%

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

Weak | Up To - 0.7210%

Moderate | Up To - 1.5923%

Median | Up To - 2.4699%

Strong | Up To - 3.8497%

Peak | Up To - 16.4073%

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

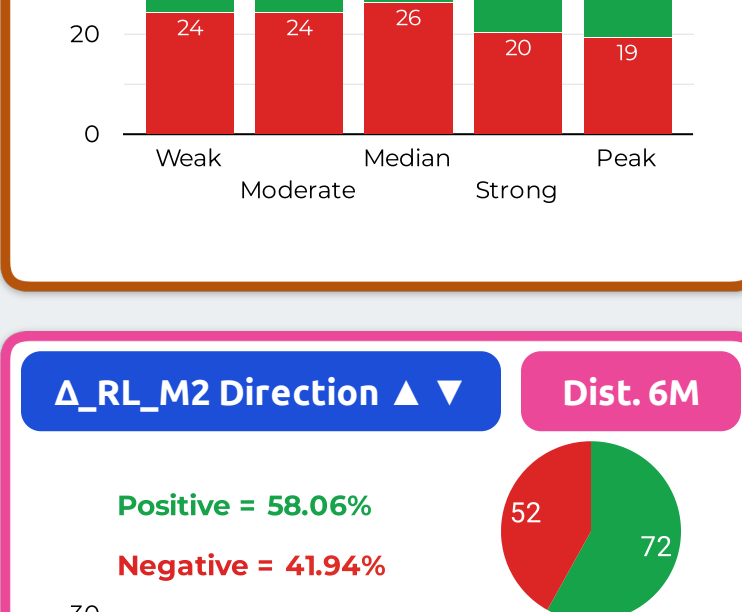
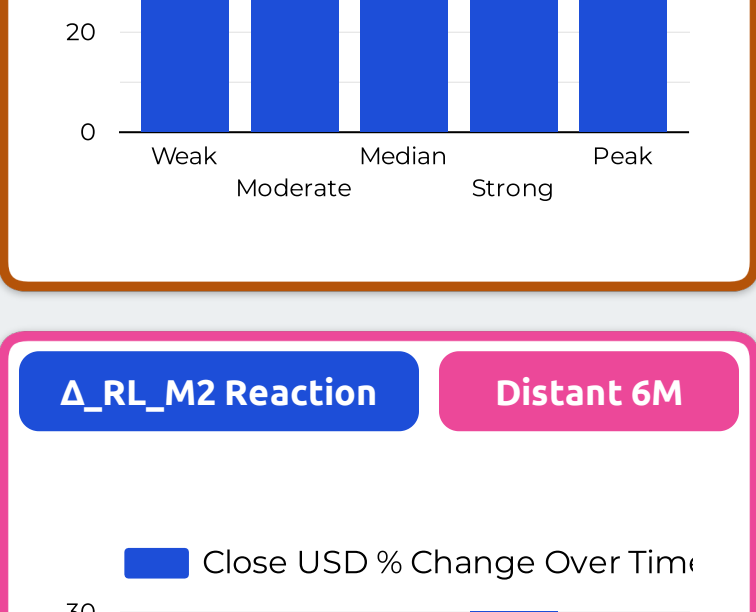
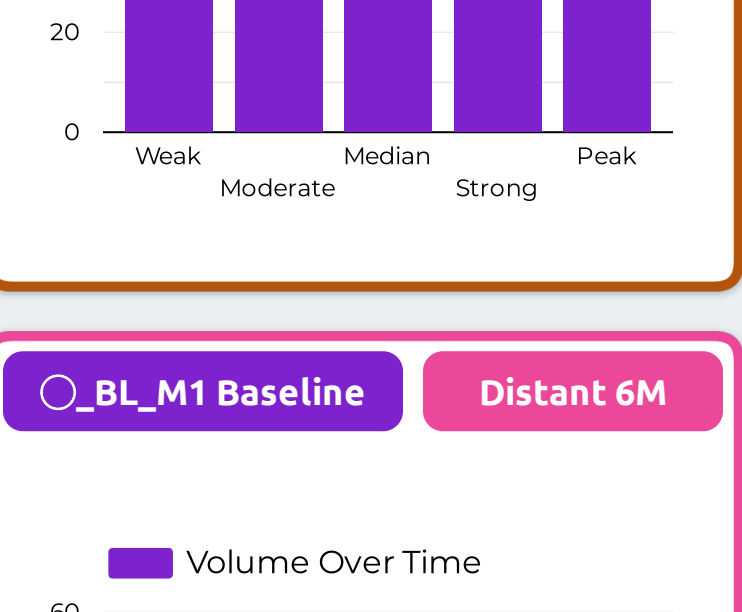
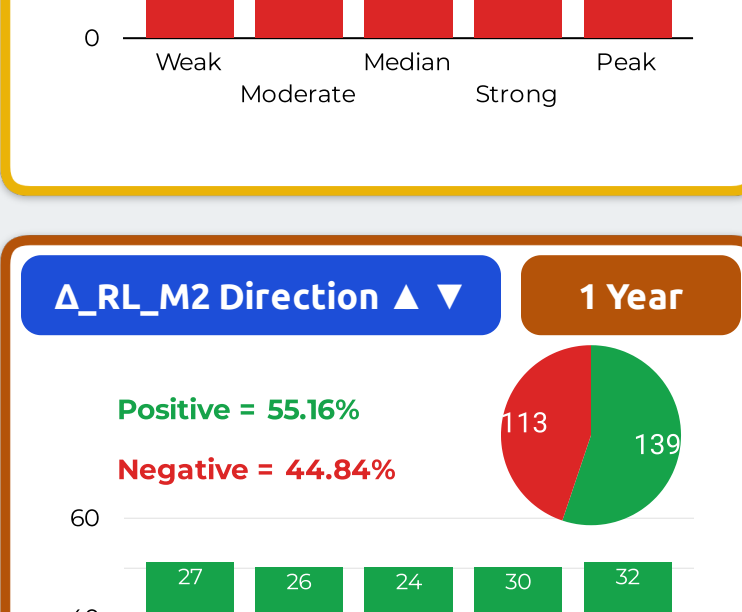
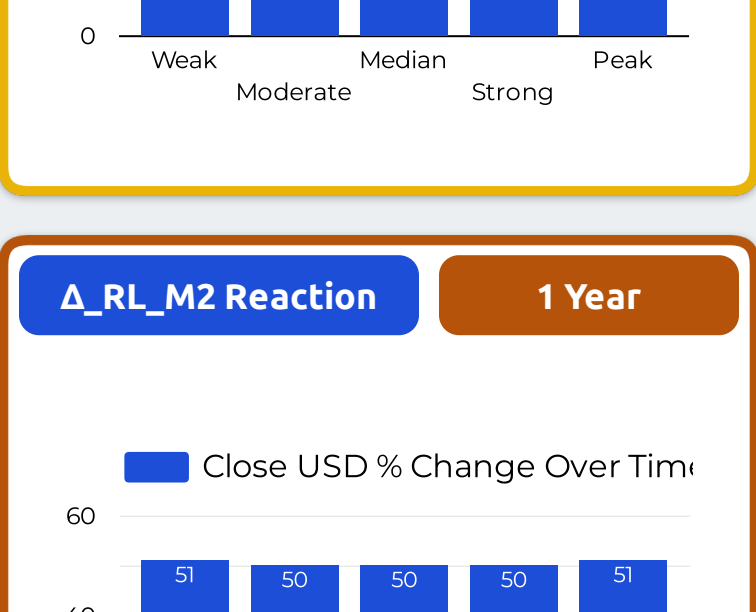
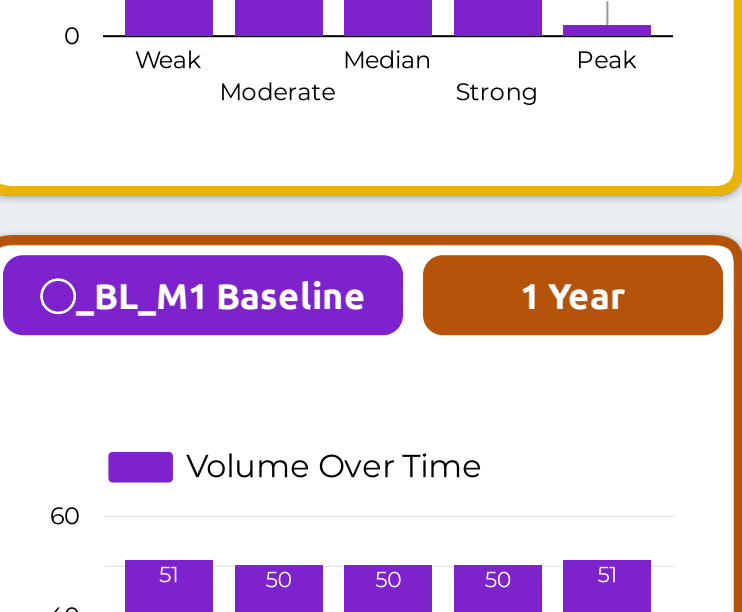
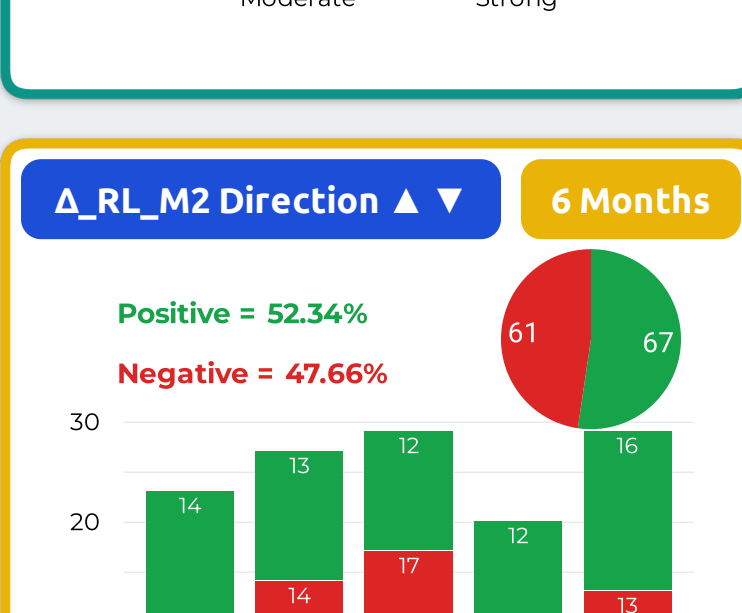
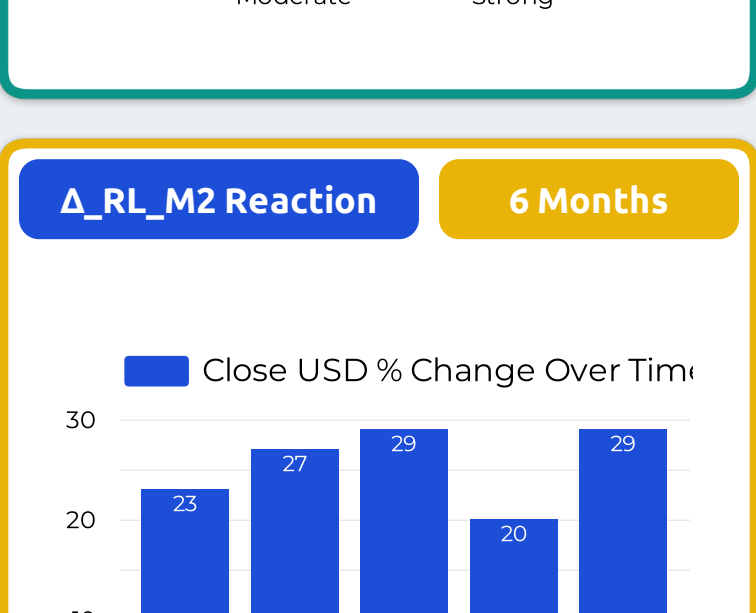
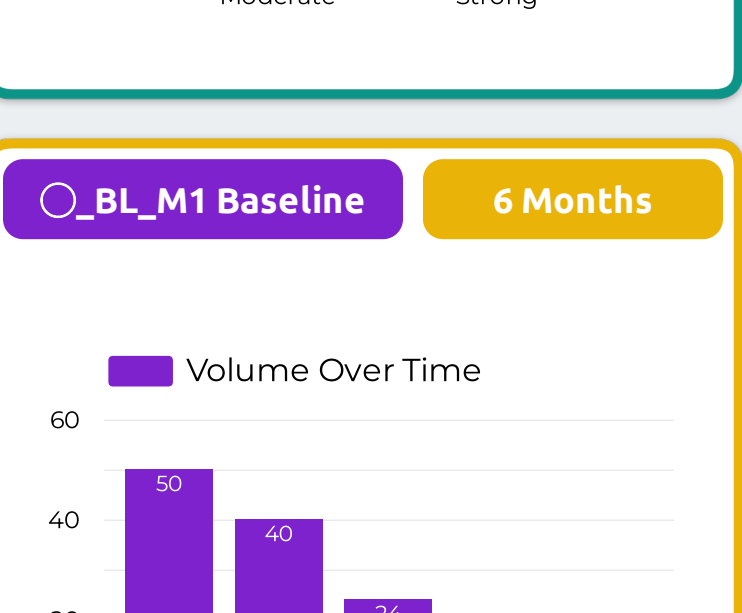
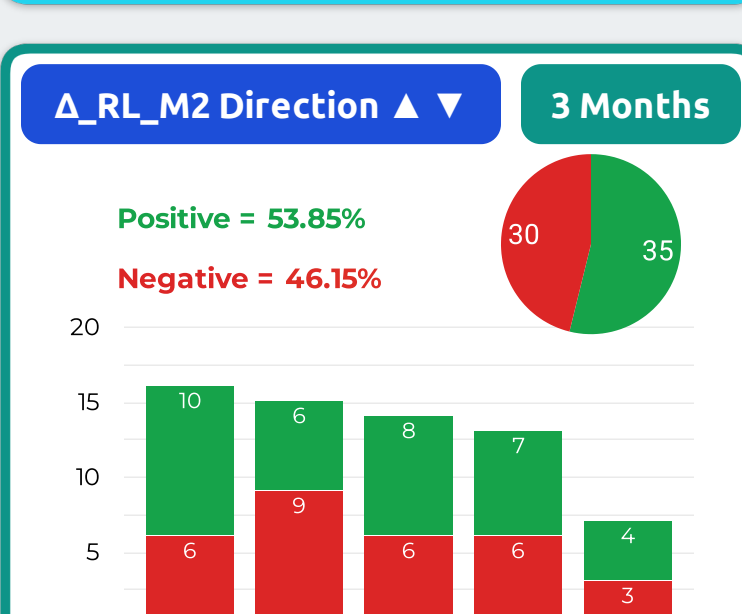
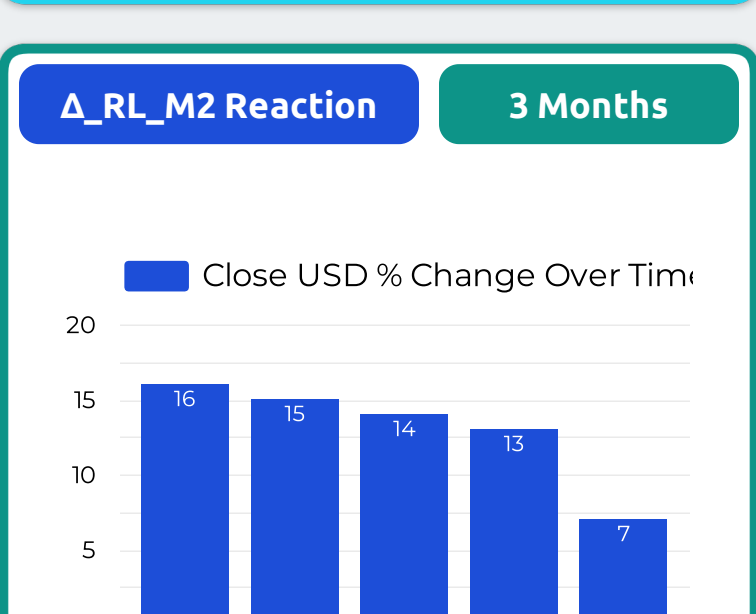
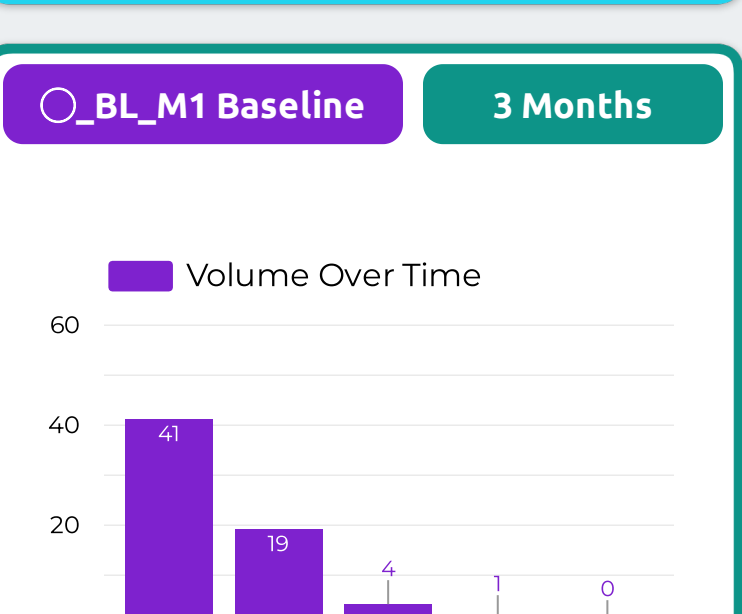
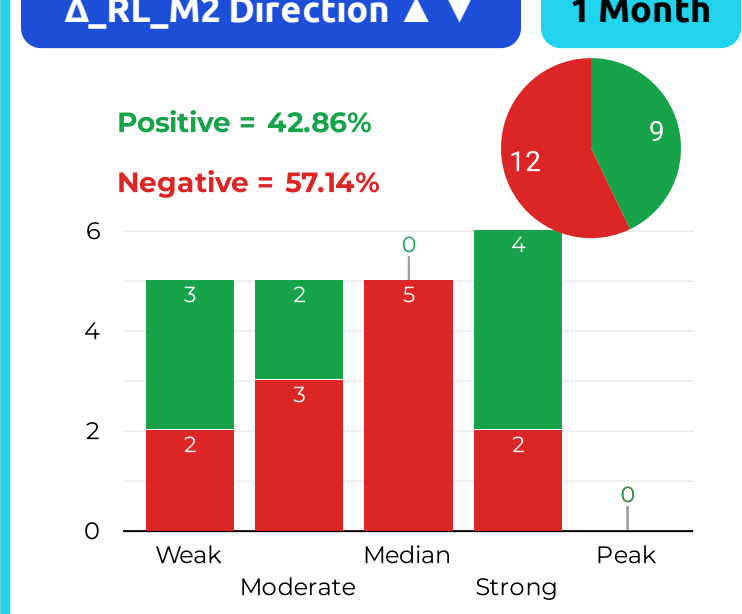
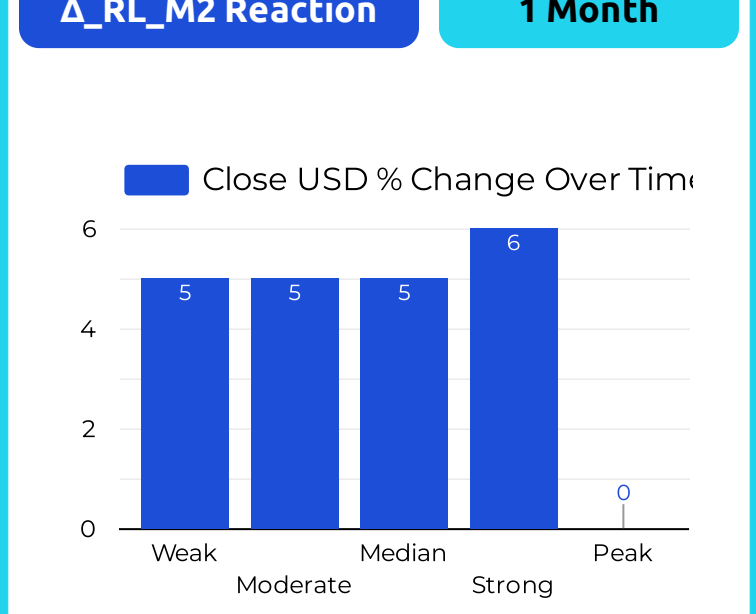
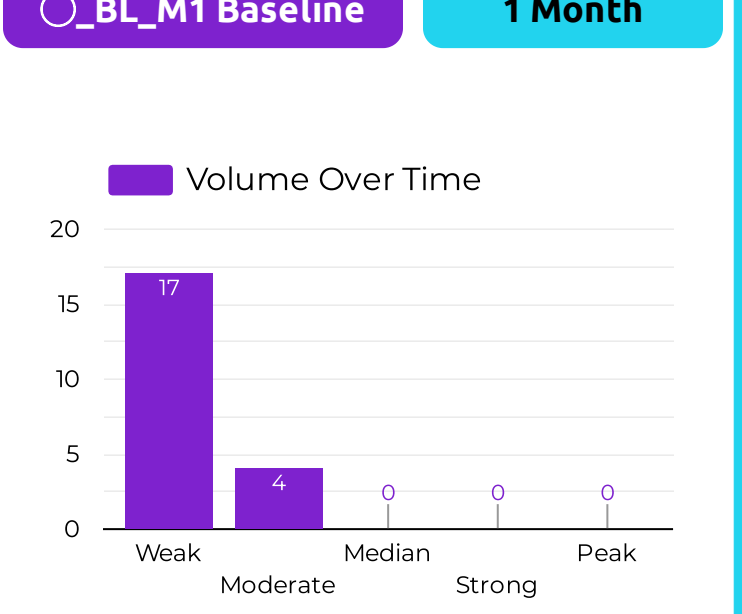
Local History Q-Bands: M1 = Volume | M2 = Close Price % Change

Peak - Volume M1

Peak - Price % Change M2

Date	○_BL_M1	Position	△_RL_M2	Peak List	Date_○_BL...	Peak List	Date_△_RL...
Dec 31, 2024	Weak	First Active Date	Median ▼	1	Aug 5, 2024	1	Nov 25, 2024
Dec 30, 2024	Weak	2nd Active Date	Weak ▲	2	Aug 1, 2024	2	Nov 19, 2024
Dec 27, 2024	Weak	3rd	Median ▼	3	Jun 21, 2024	3	Nov 6, 2024
Dec 26, 2024	Weak	4th	Weak ▼	4	Jun 20, 2024	4	Oct 31, 2024
Dec 24, 2024	Weak	5th	Weak ▲	5	Jun 6, 2024	5	Oct 21, 2024
Dec 23, 2024	Weak	6th	Strong ▲	6	Jun 5, 2024	6	Oct 15, 2024
Dec 20, 2024	Moderate	7th	Strong ▲	7	May 31, 2024	7	Oct 8, 2024
Dec 19, 2024	Weak	8th	Moderate ▲	8	May 29, 2024	8	Sep 24, 2024
Dec 18, 2024	Moderate	9th	Moderate ▼	9	May 28, 2024	9	Sep 19, 2024
Dec 17, 2024	Moderate	10th	Moderate ▼	10	May 23, 2024	10	Sep 11, 2024

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	1.59%
1 Month	1.73%
3 Months	1.88%
6 Months	2.52%
1 Year	2.49%
Distant 6 Months	2.46%

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.

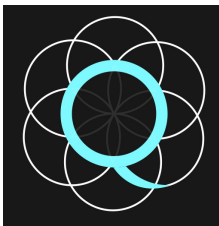
These are non-negative % values before Ordinal Ranking.

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 =

Ranked by absolute state within the Complete One-Year Range

Metric 2 - M2

→ Reaction Lens

△_RL =

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

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Distant 6M

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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

(no direction) Weak = 6

Lowest Volume

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1 Year

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Median ▼

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Median ▼ = 1
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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 18, 2024	Moderate	9th	Moderate ▼
Dec 17, 2024	Moderate	10th	Moderate ▼

Peak List	Date_○_BL...
1	Aug 5, 2024
2	Aug 1, 2024
3	Jun 21, 2024
4	Jun 20, 2024
5	Jun 6, 2024
6	Jun 5, 2024
7	May 31, 2024
8	May 29, 2024
9	May 28, 2024
10	May 23, 2024

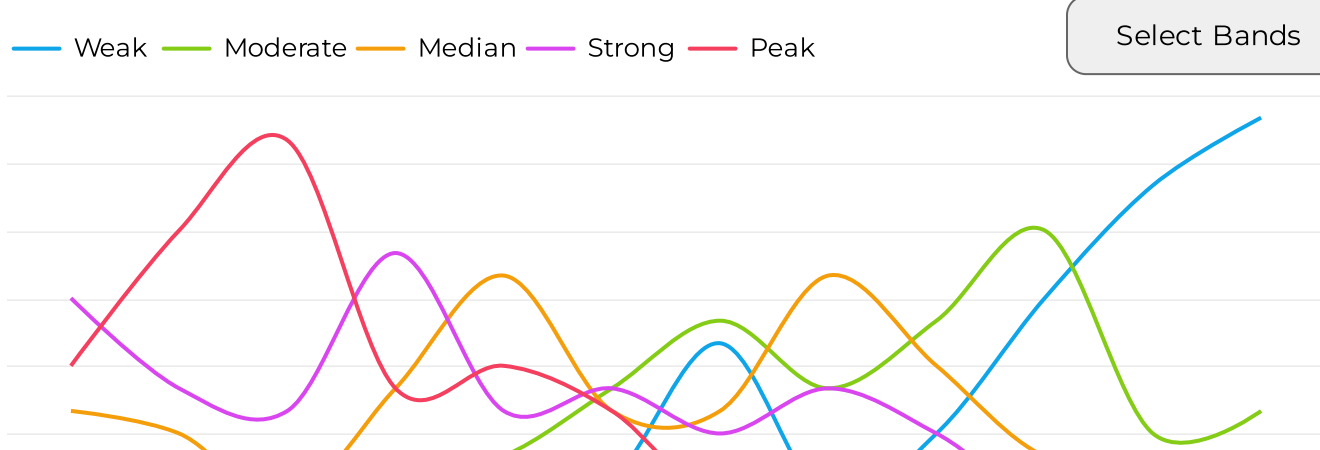
Peak List	Date_△_RL...
1	Nov 25, 2024
2	Nov 19, 2024
3	Nov 6, 2024
4	Oct 31, 2024
5	Oct 21, 2024
6	Oct 15, 2024
7	Oct 8, 2024
8	Sep 24, 2024
9	Sep 19, 2024
10	Sep 11, 2024

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

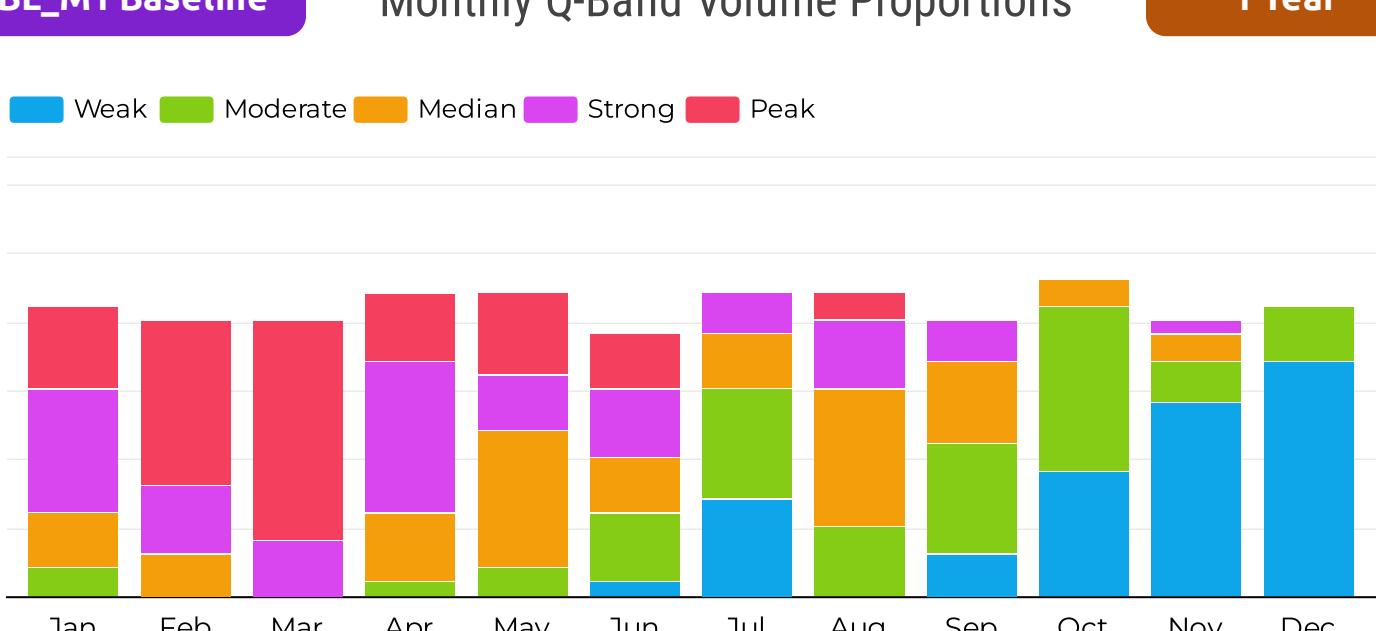
1 Year

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Peak	6	12	16	5	6	4	0	2	0	0	0	0
Strong	9	5	4	11	4	5	3	5	3	0	1	0
Median	4	3	0	5	10	4	4	10	6	2	2	0
Moderate	2	0	0	1	2	5	8	5	8	12	3	4
Weak	0	0	0	0	0	1	7	0	3	9	14	17

○_BL_M1 Baseline

Monthly Q-Band Volume Proportions

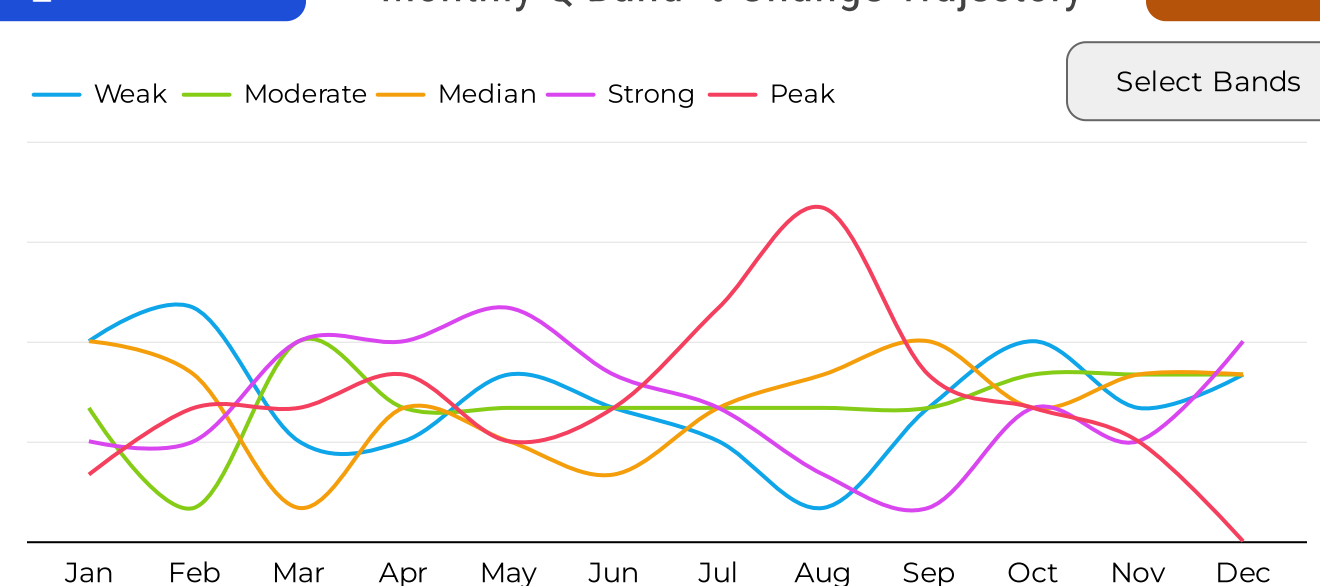
1 Year



△_RL_M2 Reaction

Monthly Q-Band % Change Trajectory

1 Year



△_RL_M2 Reaction

Monthly Q-Band % Change Dispersion

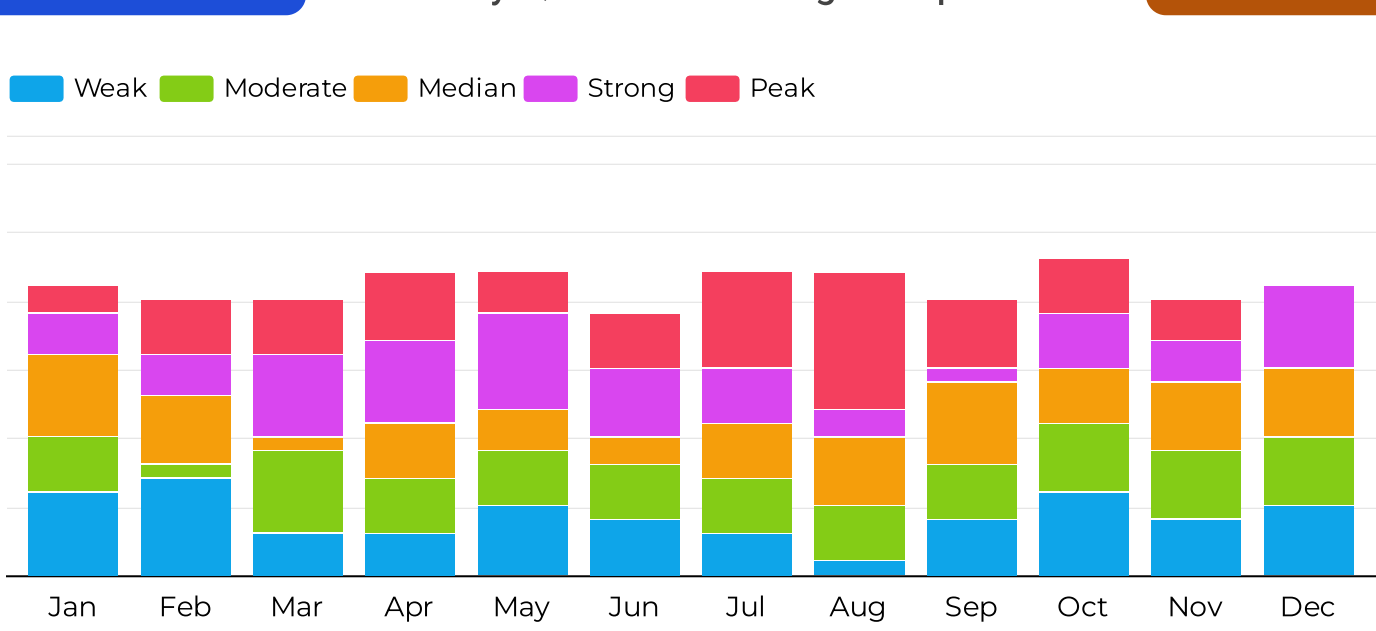
1 Year

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

△_RL_M2 Reaction

Monthly Q-Band % Change Proportions

1 Year



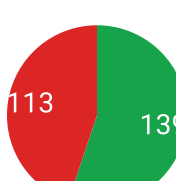
△_RL_M2 Direction ▲ ▼

Monthly Reaction Directional Polarity

1 Year

Positive = 55.16%

Negative = 44.84%



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Negative	6	9	7	12	9	9	12	10	9	9	9	12
Positive	15	11	13	10	13	10	10	12	11	14	11	9
Percentage	71%	55%	65%	45%	59%	53%	45%	55%	55%	61%	55%	43%
Percentage	29%	45%	35%	55%	41%	47%	55%	45%	45%	39%	45%	57%

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