

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

Reserved space: Automated system status and integration details

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

REPORT TITLE: nVidia / NVDA / 2021 / NY / Metric 1 Volume / Metric 2 Close Price USD / EDT UTC -4hrs

Newest: Dec 31, 2021
Oldest: Jan 1, 2021
Newest Active Date: Dec 31, 2021
UTC-04:00 Atlantic Canada / Venezuela
QAE Timestamp: 2026-06-21 | 07:42:28

Day Count 365
Active Days 252
Participation 69.04%

Q_BL_M1 Baseline 1 Year

Newest Active Dec 31, 2021
Volume
266,529,897
Moderate
Consecutive Days
(no direction) Moderate = 1

Lowest Volume Oct 20, 2021 146,275,909
Highest Volume Nov 4, 2021 1,153,630,928

Baseline Lens Q-Band M1
Volume Cut-Offs

Weak | Up To - 218,802,526.00
Moderate | Up To - 276,531,717.00
Median | Up To - 341,148,845.00
Strong | Up To - 494,114,139.00
Peak | Up To - 1,153,630,928.00

Δ_RL_M2 Reaction 1 Year

Newest Active Dec 31, 2021
Close Price USD % Change
0.608% = 29.41
Weak ▼
Consecutive Days
Weak ▼ = 1
(no direction) Weak = 1

Lowest % Change Nov 12, 2021 0.000%
Highest % Change Nov 4, 2021 12.030%

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

Weak | Up To - 0.6406%
Moderate | Up To - 1.1660%
Median | Up To - 2.0611%
Strong | Up To - 3.5709%
Peak | Up To - 12.0301%

Q_BL_M1 Baseline & Δ_RL_M2 Reaction Newest Historical Activity 1 Year

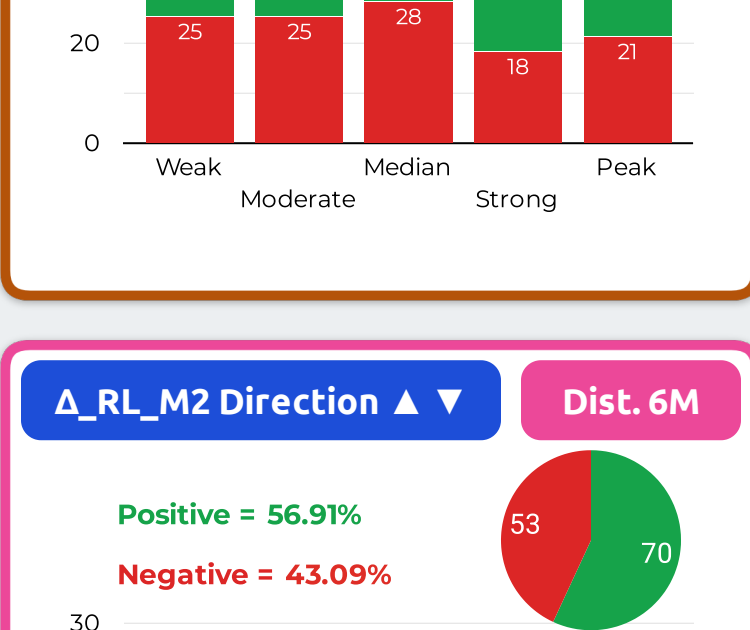
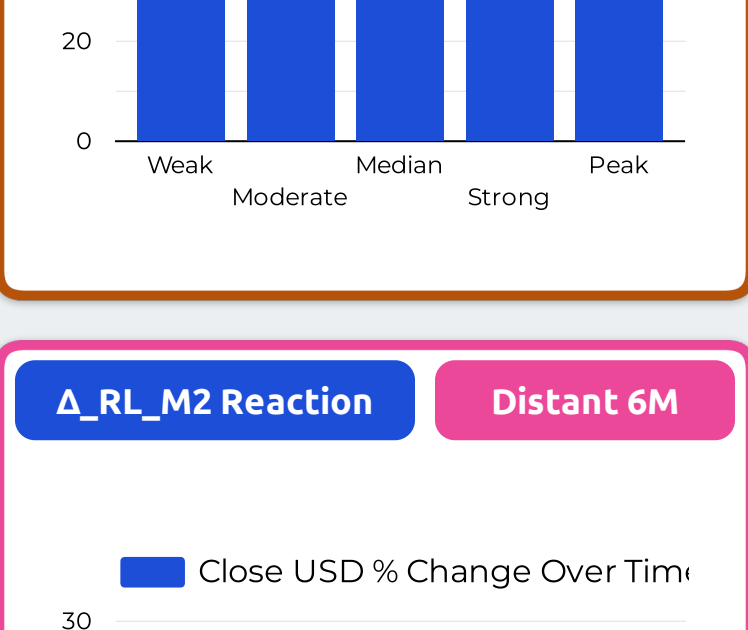
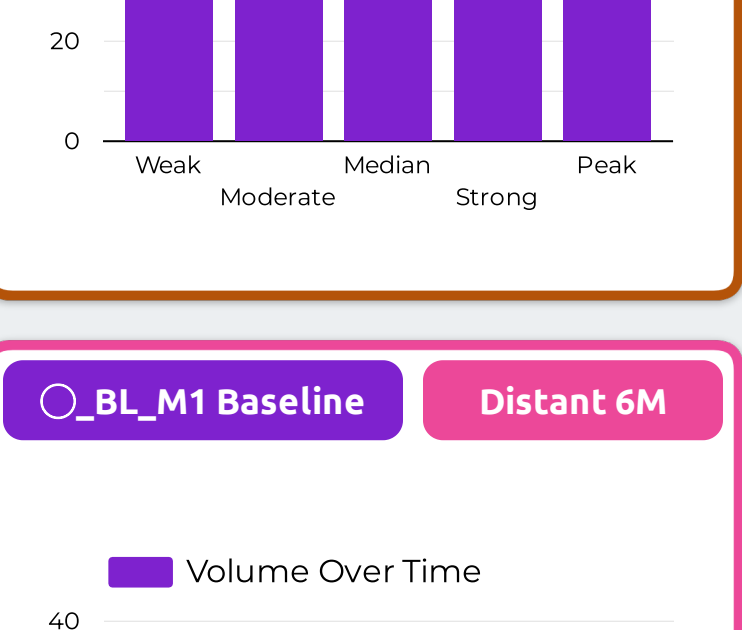
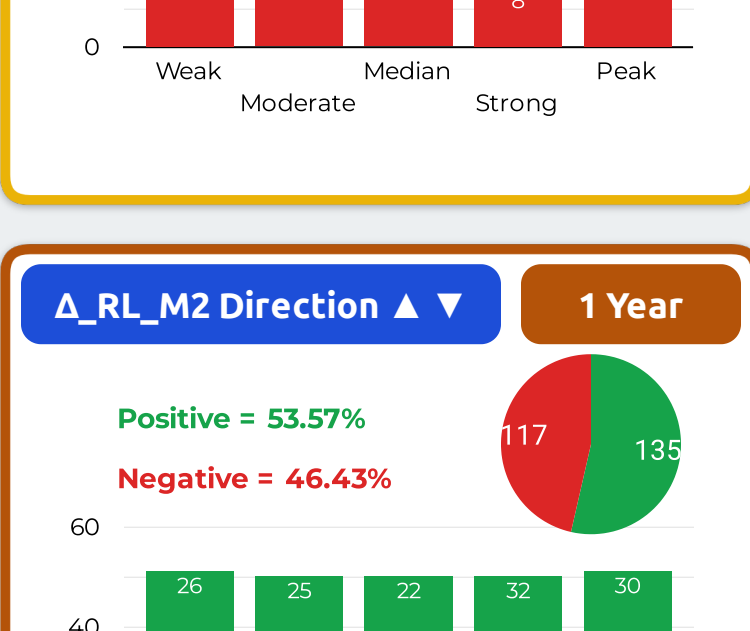
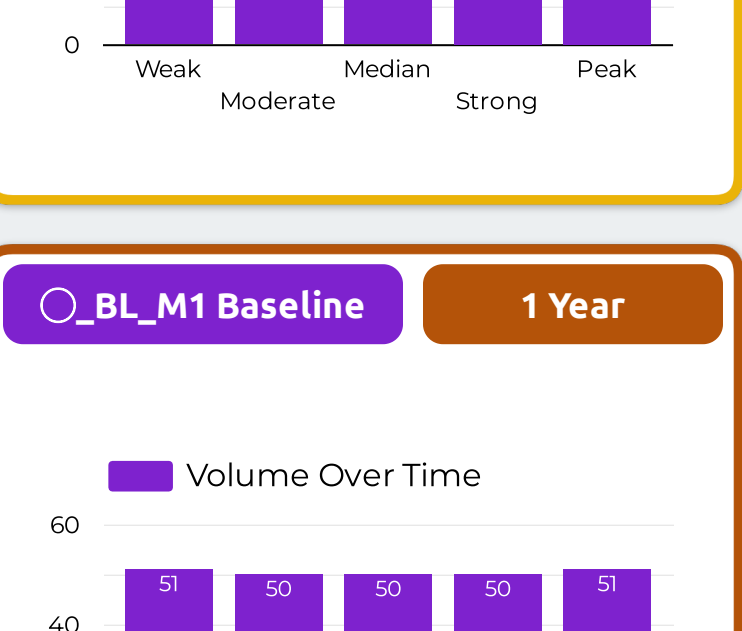
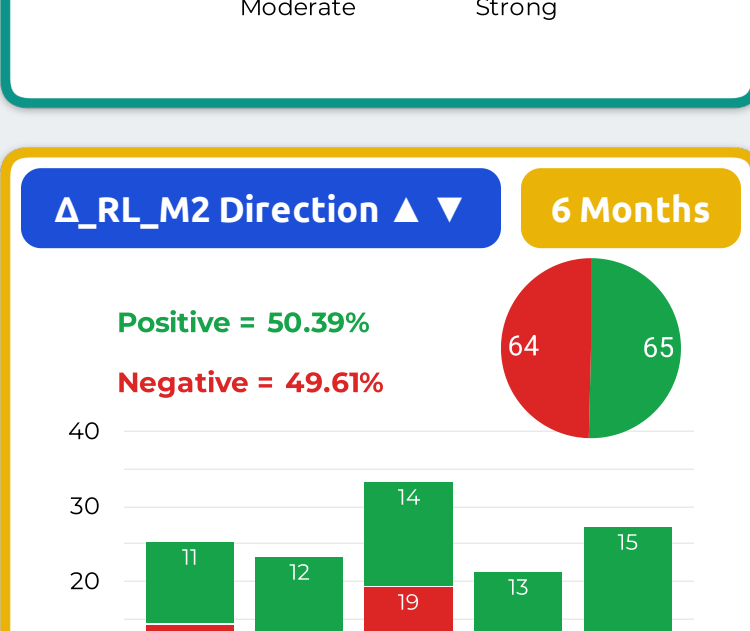
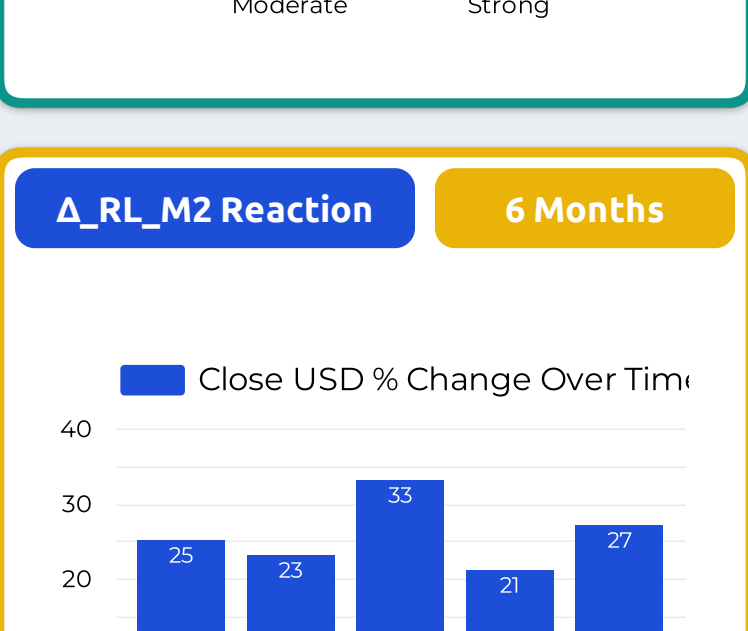
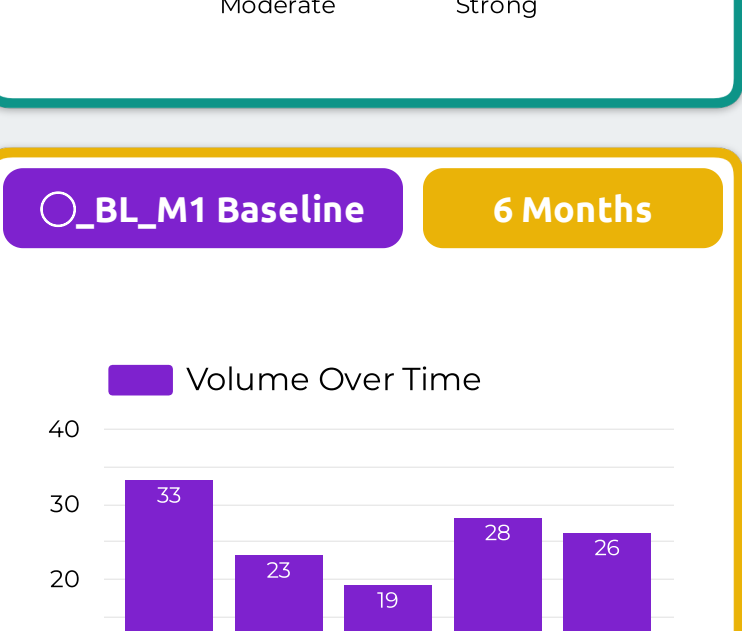
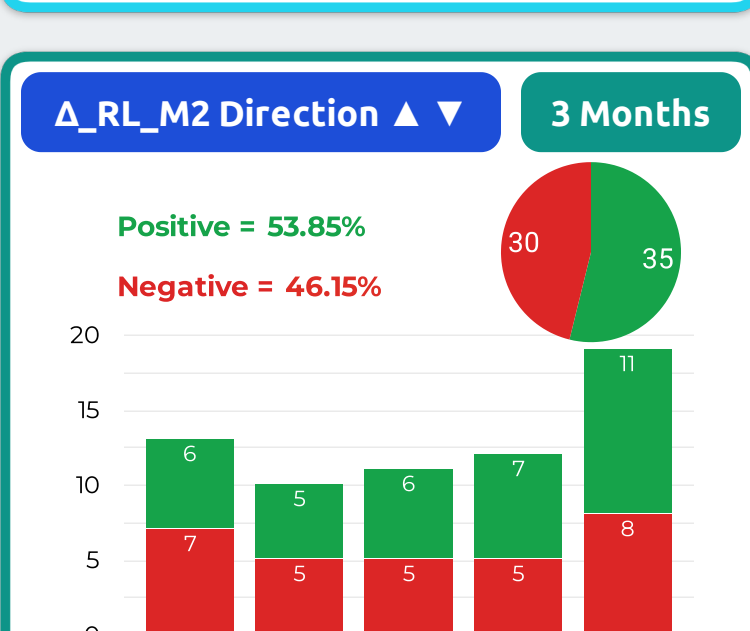
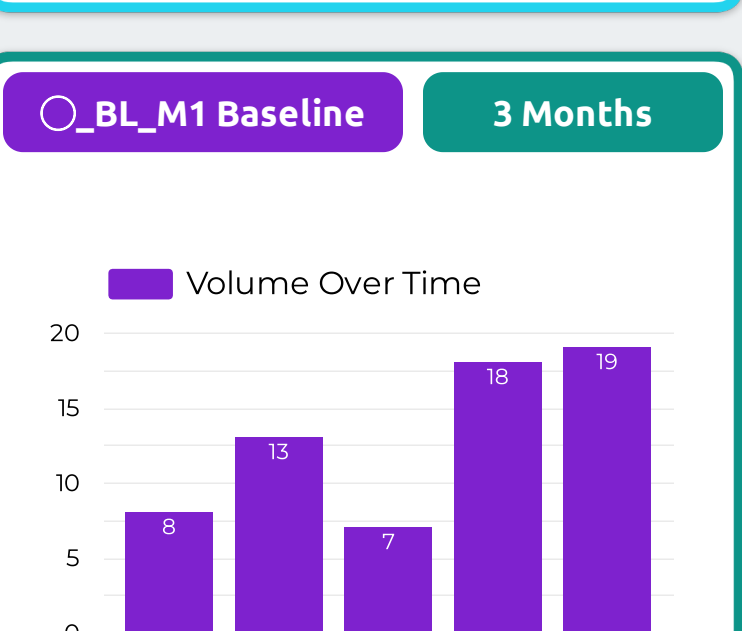
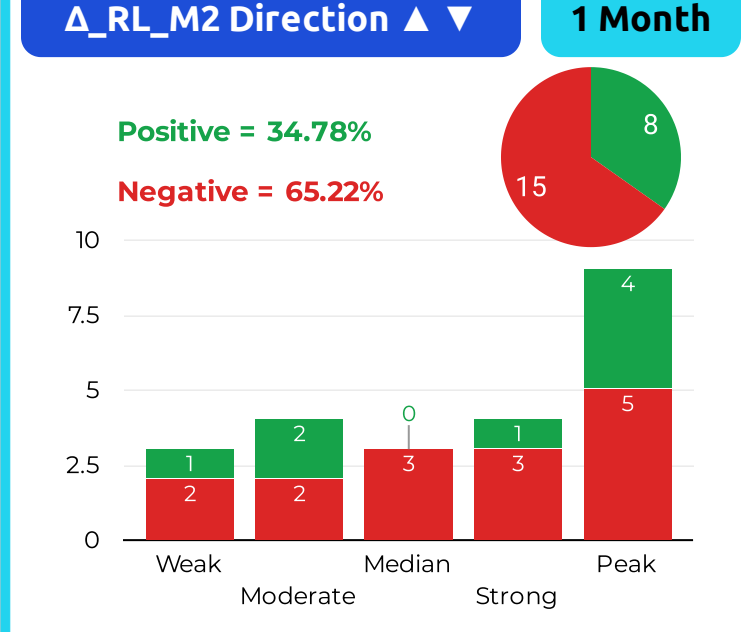
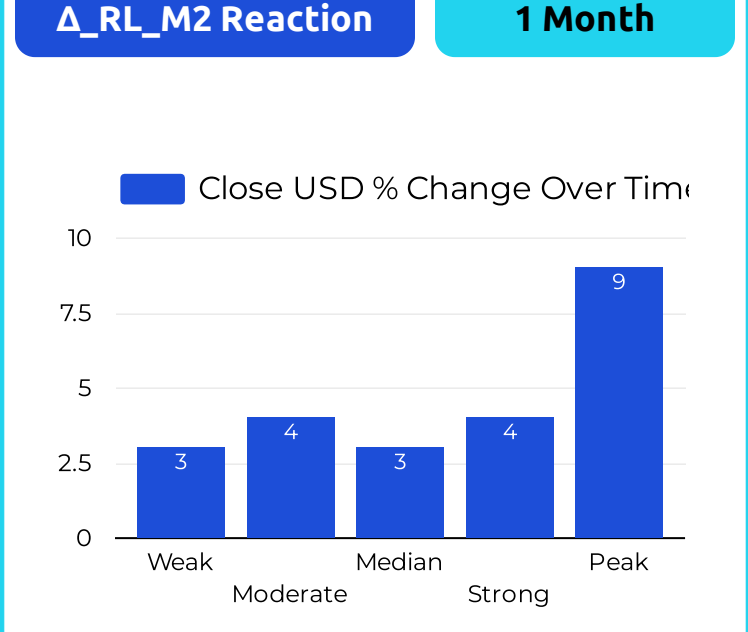
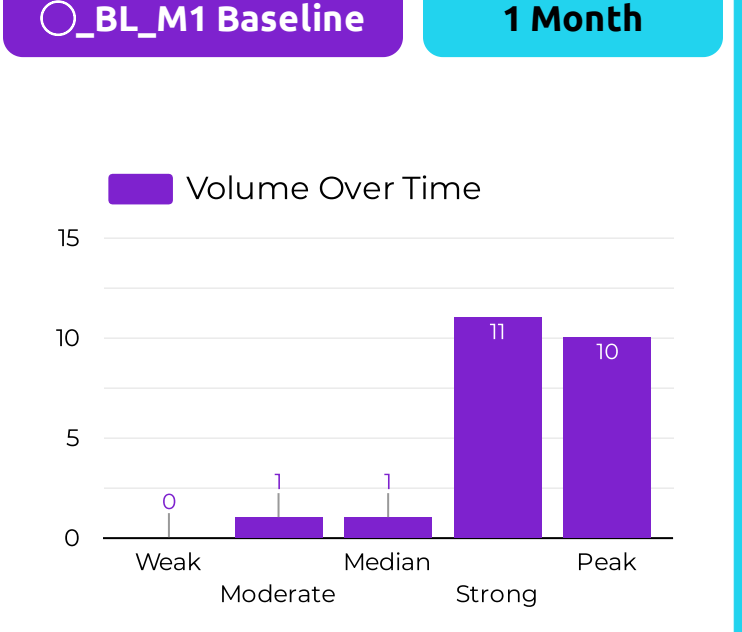
Local History Q-Bands: M1 = Volume | M2 = Close Price % Change

Peak - Volume M1

Peak - Price % Change M2

Date	Q_BL_M1	Position	Δ_RL_M2	Peak List	Date_Q_BL...	Peak List	Date_Δ_RL...
Dec 31, 2021	Moderate	First Active Date	Weak ▼	1	Dec 21, 2021	1	Dec 27, 2021
Dec 30, 2021	Median	2nd Active Date	Median ▼	2	Dec 17, 2021	2	Dec 21, 2021
Dec 29, 2021	Strong	3rd	Moderate ▼	3	Dec 16, 2021	3	Dec 16, 2021
Dec 28, 2021	Strong	4th	Median ▼	4	Dec 15, 2021	4	Dec 15, 2021
Dec 27, 2021	Strong	5th	Peak ▲	5	Dec 14, 2021	5	Dec 13, 2021
Dec 23, 2021	Strong	6th	Moderate ▲	6	Dec 13, 2021	6	Dec 9, 2021
Dec 22, 2021	Strong	7th	Moderate ▲	7	Dec 7, 2021	7	Dec 7, 2021
Dec 21, 2021	Peak	8th	Peak ▲	8	Dec 6, 2021	8	Dec 3, 2021
Dec 20, 2021	Strong	9th	Weak ▼	9	Dec 3, 2021	9	Dec 1, 2021
Dec 17, 2021	Peak	10th	Strong ▼	10	Nov 30, 2021	10	Nov 29, 2021

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



Δ_RL_M2 Reaction Δ_RL_M2 Average % Change (Timeframes) Mixed Timeframes

Δ_RL_M2 Average Close USD % Change

Timeframe Period Average Reaction

10 Active Days	2.32%
1 Month	3.04%
3 Months	2.63%
6 Months	2.16%
1 Year	2.14%
Distant 6 Months	2.14%

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.

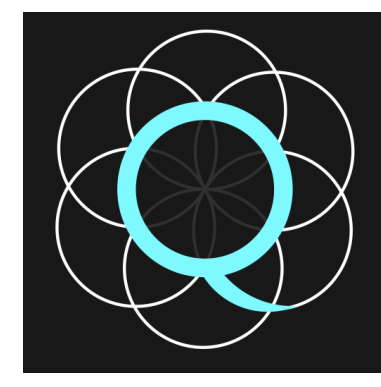
These are non-negative % values before Ordinal Ranking.

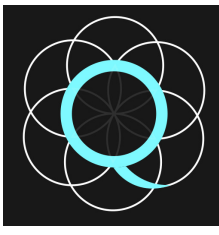
Version 3.1 - 31 May 2026

- 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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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

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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△_RL_M2 Reaction

1 Year

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Close Price USD % Change

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= 29.41

Weak ▼

Consecutive Days
Weak ▼ = 1
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Highest % Change

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

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Median | Up To - 2.0611%

Strong | Up To - 3.5709%

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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

Peak - Volume M1

Peak - Price % Change M2

Date	○_BL_M1	Position	△_RL_M2
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Dec 28, 2021	Strong	4th	Median ▼
Dec 27, 2021	Strong	5th	Peak ▲
Dec 23, 2021	Strong	6th	Moderate ▲
Dec 22, 2021	Strong	7th	Moderate ▲
Dec 21, 2021	Peak	8th	Peak ▲
Dec 20, 2021	Strong	9th	Weak ▼
Dec 17, 2021	Peak	10th	Strong ▼

Peak List	Date_○_BL...
1	Dec 21, 2021
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3	Dec 16, 2021
4	Dec 15, 2021
5	Dec 14, 2021
6	Dec 13, 2021
7	Dec 7, 2021
8	Dec 6, 2021
9	Dec 3, 2021
10	Nov 30, 2021

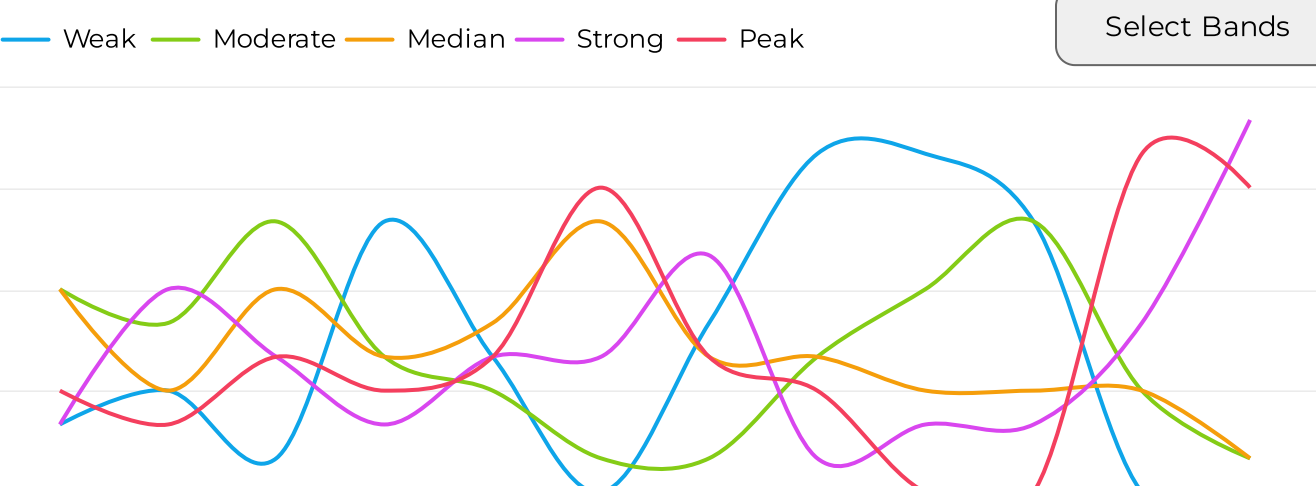
Peak List	Date_△_RL...
1	Dec 27, 2021
2	Dec 21, 2021
3	Dec 16, 2021
4	Dec 15, 2021
5	Dec 13, 2021
6	Dec 9, 2021
7	Dec 7, 2021
8	Dec 3, 2021
9	Dec 1, 2021
10	Nov 29, 2021

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

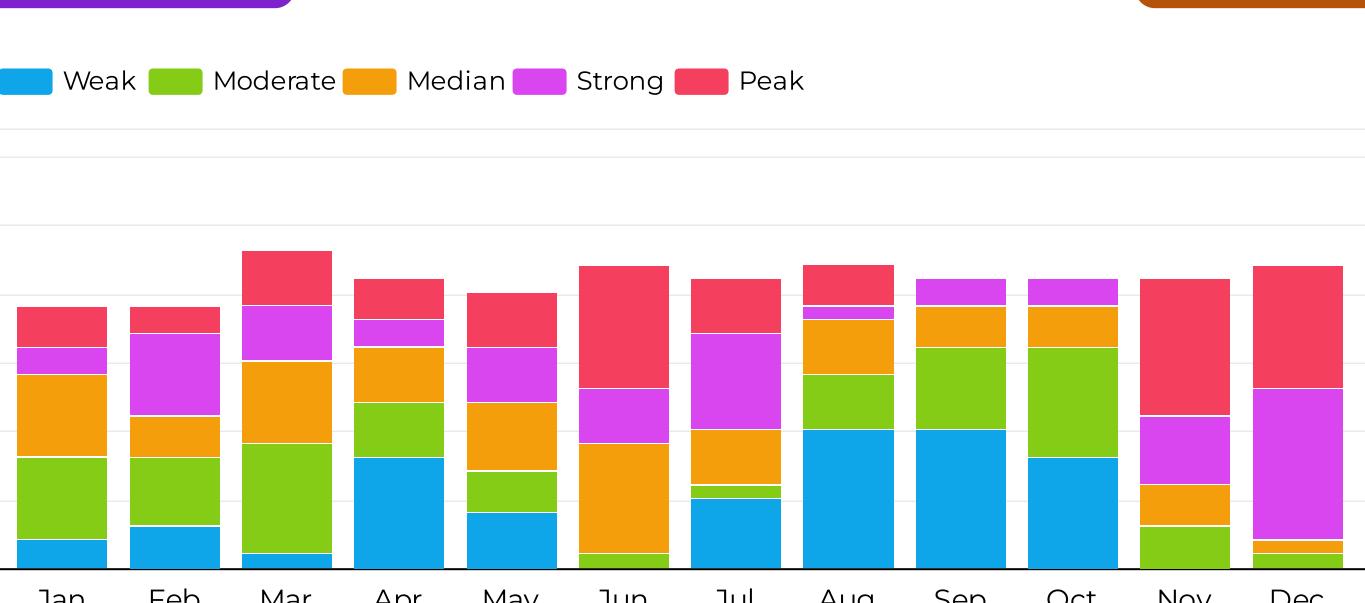
1 Year

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

○_BL_M1 Baseline

Monthly Q-Band Volume Proportions

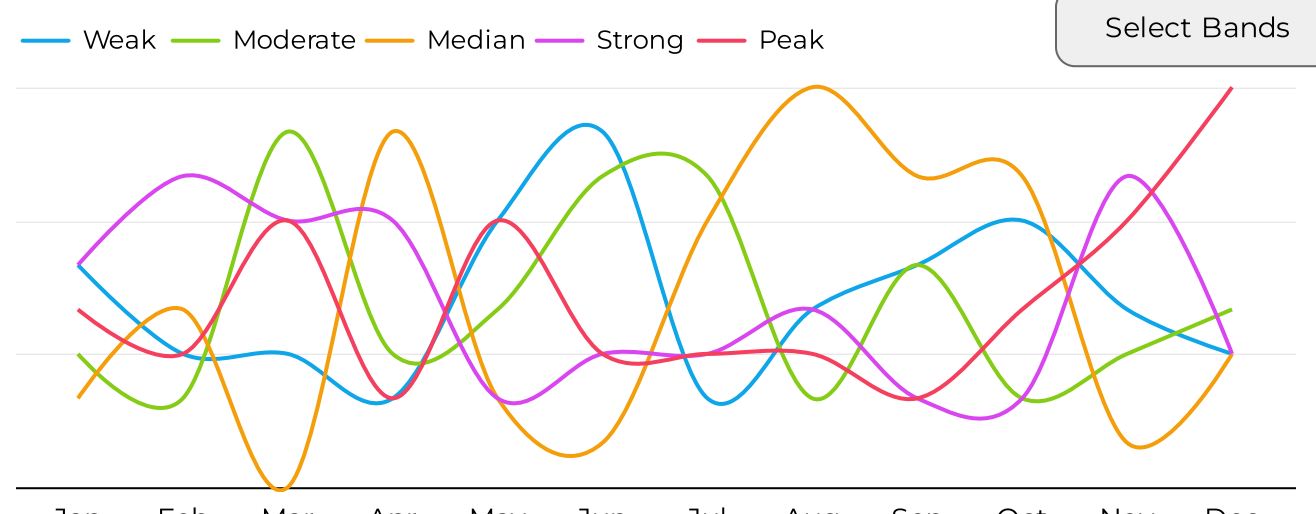
1 Year



△_RL_M2 Reaction

Monthly Q-Band % Change Trajectory

1 Year



△_RL_M2 Reaction

Monthly Q-Band % Change Dispersion

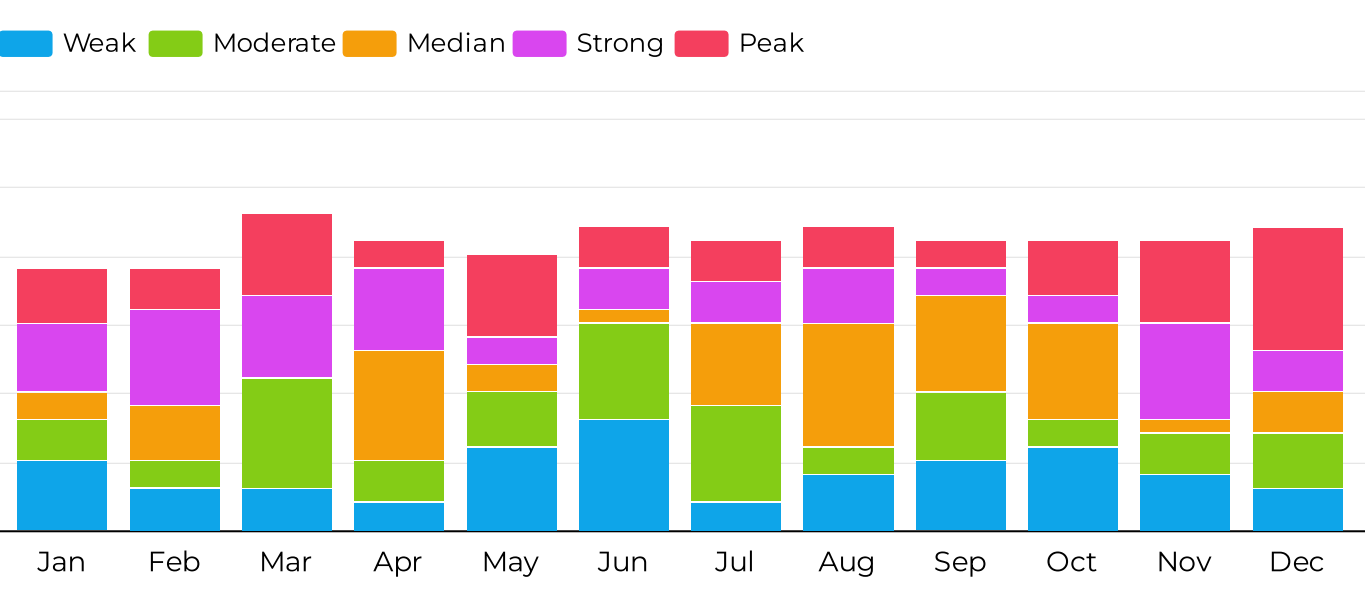
1 Year

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

△_RL_M2 Reaction

Monthly Q-Band % Change Proportions

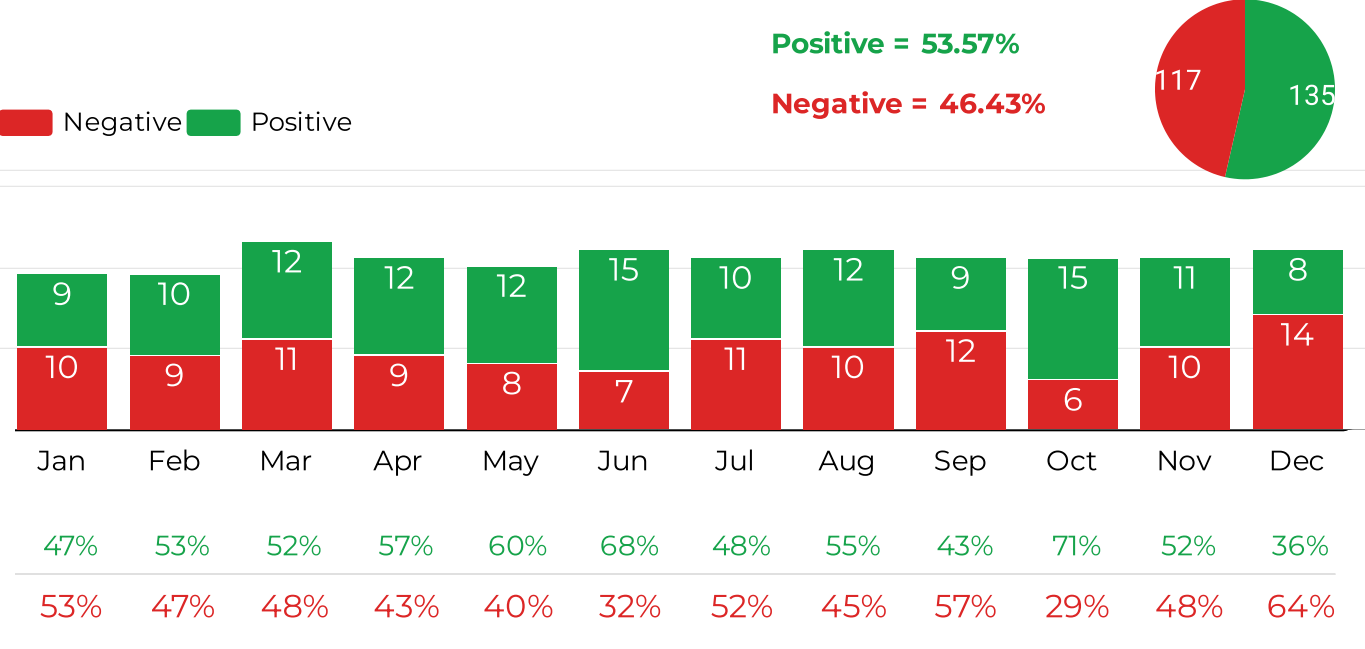
1 Year



△_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