Quintile Analysis Engine Report V3.2

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By Simon Hobbs
System Fundamentals
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Minimal guide provided below
→ See 'QAE Guide' for more details

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 =** Ranked by absolute state within the Complete One-Year Range

Metric 2 - M2 → Reaction Lens **Δ_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 | 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 / 2023 / NY / Metric 1 Volume / Metric 2 Close Price USD / EDT UTC -4hrs

Newest: Dec 31, 2023
Oldest: Jan 1, 2023
Newest Active Date: Dec 29, 2023

UTC-04:00 Atlantic Canada / Venezuela

QAE Timestamp: 2026-06-21 | 06:56:13

Day Count	Active Days	Participation
365	250	68.49%

◯_BL_M1 Baseline | 1 Year

Newest Active Dec 29, 2023
Volume
389,293,276
Moderate
Consecutive Days (no direction) Moderate = 1

Lowest Volume	Highest Volume
Jul 3, 2023	May 25, 2023
197,754,098	1,543,911,075

Baseline Lens Q-Band M1 Volume Cut-Offs

Weak | Up To - 368,287,192.00
Moderate | Up To - 409,878,654.00
Median | Up To - 467,000,411.00
Strong | Up To - 548,073,594.80
Peak | Up To - 1,543,911,075.00

Δ_RL_M2 Reaction | 1 Year

Newest Active Dec 29, 2023
Close Price USD % Change
0.000% = 49.52
Weak ▼
Consecutive Days Weak ▼ = 1 (no direction) Weak = 3

Lowest % Change	Highest % Change
Mar 13, 2023	May 25, 2023
0.000%	24.361%

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

Weak | Up To - 0.6740%
Moderate | Up To - 1.3266%
Median | Up To - 2.1548%
Strong | Up To - 3.0960%
Peak | Up To - 24.361%

◯_BL_M1 Baseline & **Δ_RL_M2 Reaction** — Newest Historical Activity | 1 Year

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

Date	◯_BL_M1	Position	Δ_RL_M2
Dec 29, 2023	Moderate	First Active Date	Weak ▼
Dec 28, 2023	Weak	2nd Active Date	Weak ▲
Dec 27, 2023	Weak	3rd	Weak ▲
Dec 26, 2023	Weak	4th	Moderate ▲
Dec 22, 2023	Weak	5th	Weak ▼
Dec 21, 2023	Weak	6th	Median ▲
Dec 20, 2023	Moderate	7th	Strong ▼
Dec 19, 2023	Median	8th	Moderate ▼
Dec 18, 2023	Median	9th	Strong ▲
Dec 15, 2023	Strong	10th	Moderate ▲

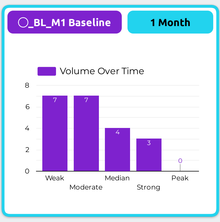
Peak - Volume M1

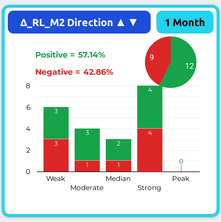
Peak List	Date_◯_BL...
1	Nov 22, 2023
2	Nov 21, 2023
3	Oct 18, 2023
4	Oct 17, 2023
5	Aug 30, 2023
6	Aug 29, 2023
7	Aug 28, 2023
8	Aug 25, 2023
9	Aug 24, 2023
10	Aug 23, 2023

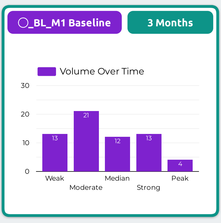
Peak - Price % Change M2

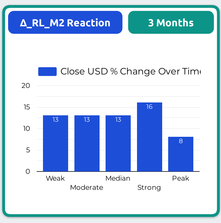
Peak List	Date_Δ_RL...
1	Nov 3, 2023
2	Nov 1, 2023
3	Oct 26, 2023
4	Oct 25, 2023
5	Oct 23, 2023
6	Oct 18, 2023
7	Oct 17, 2023
8	Oct 13, 2023
9	Sep 15, 2023
10	Aug 29, 2023

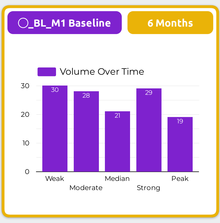
Q-Band Counts 5 Timeframes: M1 = Volume | | M2 = Close Price % Change plus Directional Polarity Bias

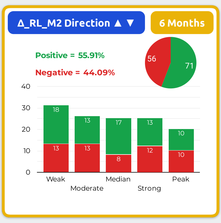


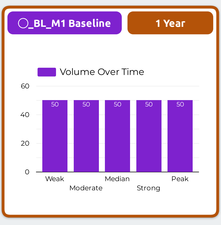


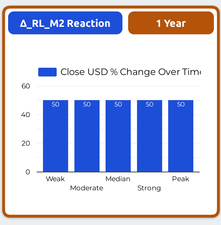


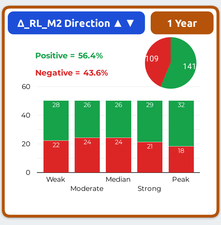


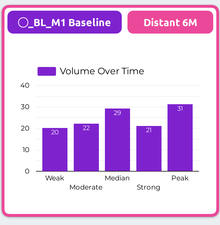


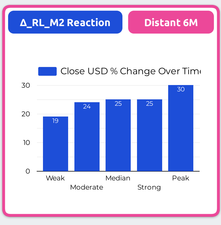


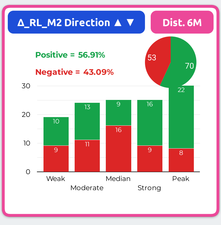




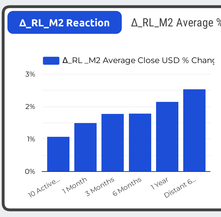








Δ_RL_M2 Reaction | Δ_RL_M2 Average % Change (Timeframes) | **Mixed Timeframes**



Timeframe Period	Average Reaction
10 Active Days	1.06%
1 Month	1.48%
3 Months	1.76%
6 Months	1.78%
1 Year	2.14%
Distant 6 Months	2.52%

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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Peak - Price % Change M2

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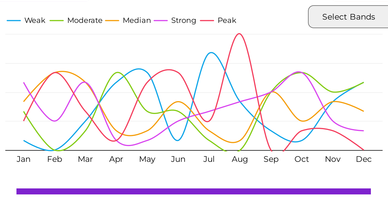
Monthly Q-Band Counts: ON-TOP M1 = Volume --- BELOW M2 = Close Price USD % Change

◯_BL_M1 Baseline — Monthly Q-Band Volume Trajectory — 1 Year

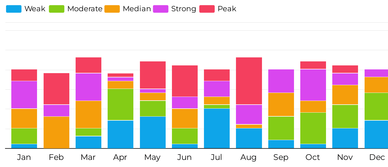
Select Bands



◯_BL_M1 Baseline — Monthly Q-Band Volume Dispersion — 1 Year

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

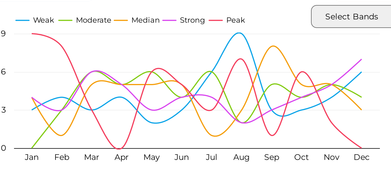
◯_BL_M1 Baseline — Monthly Q-Band Volume Proportions — 1 Year



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

Δ_RL_M2 Reaction — Monthly Q-Band % Change Trajectory — 1 Year

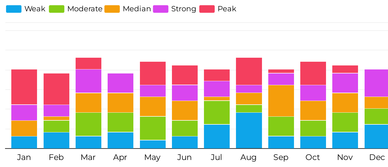
Select Bands



Δ_RL_M2 Reaction — Monthly Q-Band % Change Dispersion — 1 Year

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

Δ_RL_M2 Reaction — Monthly Q-Band % Change Proportions — 1 Year



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

Δ_RL_M2 Direction ▲ ▼ — Monthly Reaction Directional Polarity — 1 Year