

Quintile Analysis Engine Report V3.2

QAE Guide / Contact

Terms & Conditions

Privacy Policy

By Simon Hobbs

System Fundamentals

www.system-fundamentals.com



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 =**

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
LEADING EDGE PAGE
* Stock Market Skin *

REPORT TITLE: nVidia / NVDA / 2018 / NY / Metric 1 Volume / Metric 2 Close Price USD / EDT UTC -4hrs

Newest: Dec 31, 2018

Oldest: Jan 1, 2018

Newest Active Date: Dec 31, 2018

UTC-04:00 Atlantic Canada / Venezuela

QAE Timestamp: 2026-06-21 | 18:32:40

Day Count
365

Active Days
251

Participation
68.77%

○_BL_M1 Baseline 1 Year

Newest Active Dec 31, 2018
Volume
465,139,995
Median
Consecutive Days
(no direction) Median = 1

Lowest Volume
Jul 16, 2018
197,037,038

Highest Volume
Nov 16, 2018
1,963,519,180

Baseline Lens Q-Band M1
Volume Cut-Offs

Weak | Up To - 350,791,036.00

Moderate | Up To - 432,259,596.00

Median | Up To - 553,828,434.00

Strong | Up To - 702,347,553.00

Peak | Up To - 1,963,519,180.00

△_RL_M2 Reaction 1 Year

Newest Active Dec 31, 2018
Close Price USD % Change
0.000% = 3.34
Weak ▼
Consecutive Days
Weak ▼ = 1
(no direction) Weak = 1

Lowest % Change
Jan 9, 2018
0.000%

Highest % Change
Nov 16, 2018
18.775%

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

Weak | Up To - 0.5357%

Moderate | Up To - 1.1111%

Median | Up To - 1.9868%

Strong | Up To - 3.4156%

Peak | Up To - 18.7747%

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

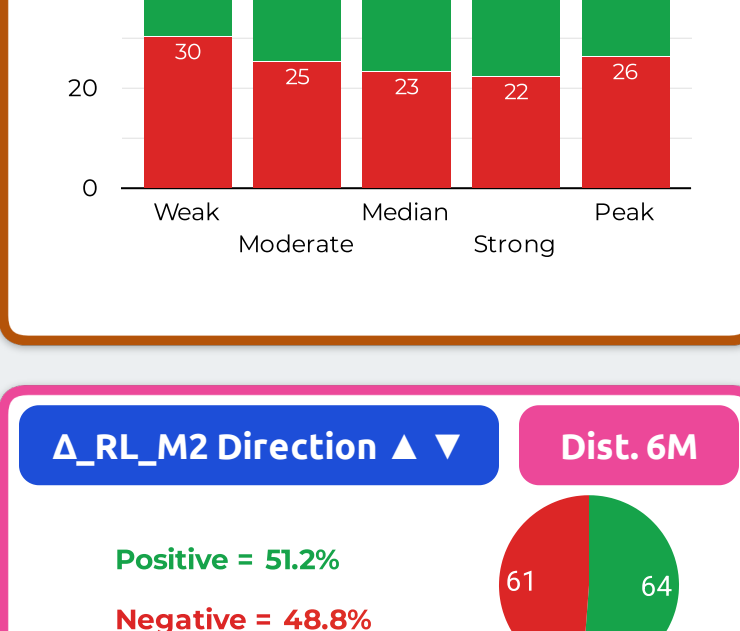
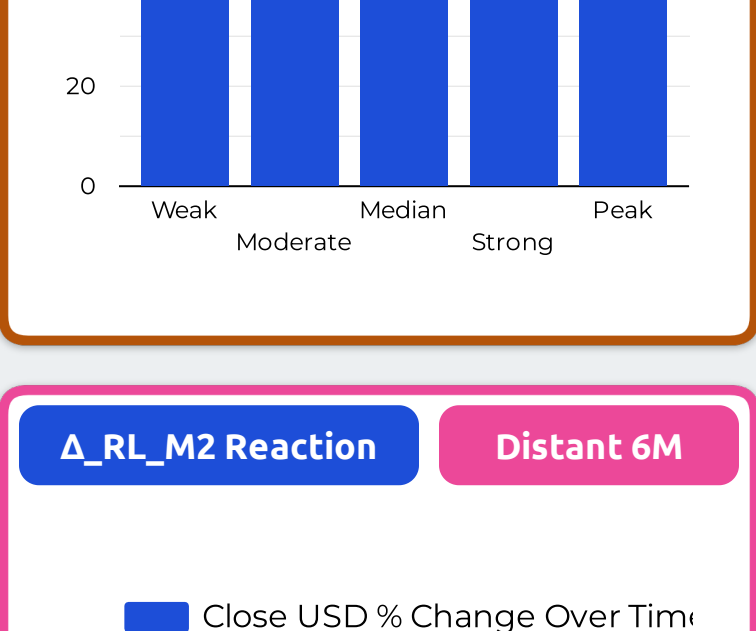
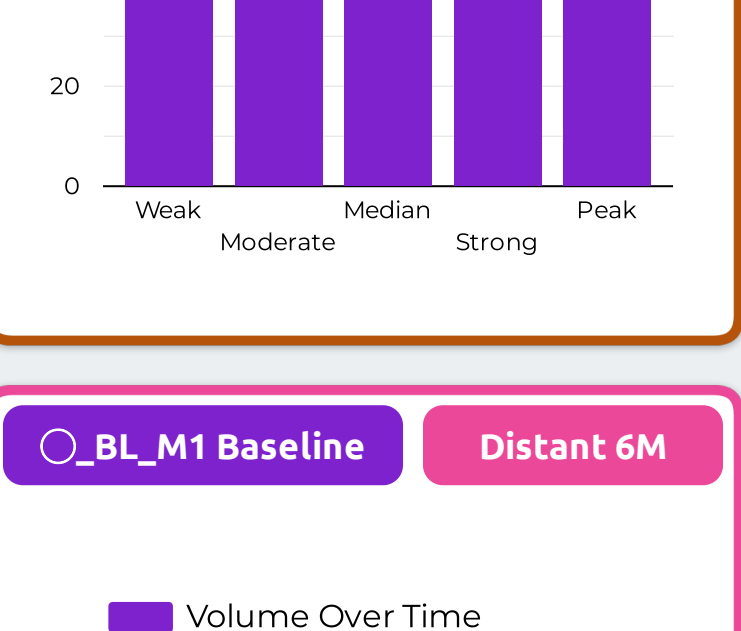
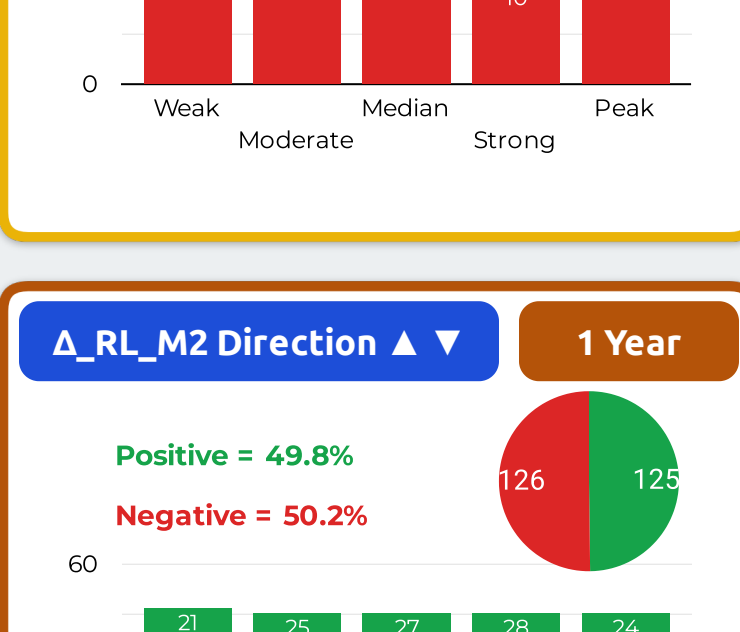
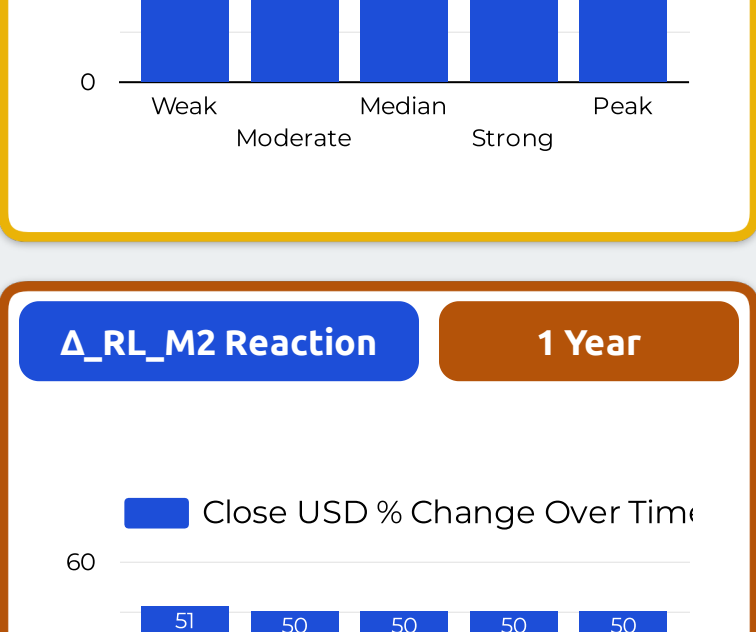
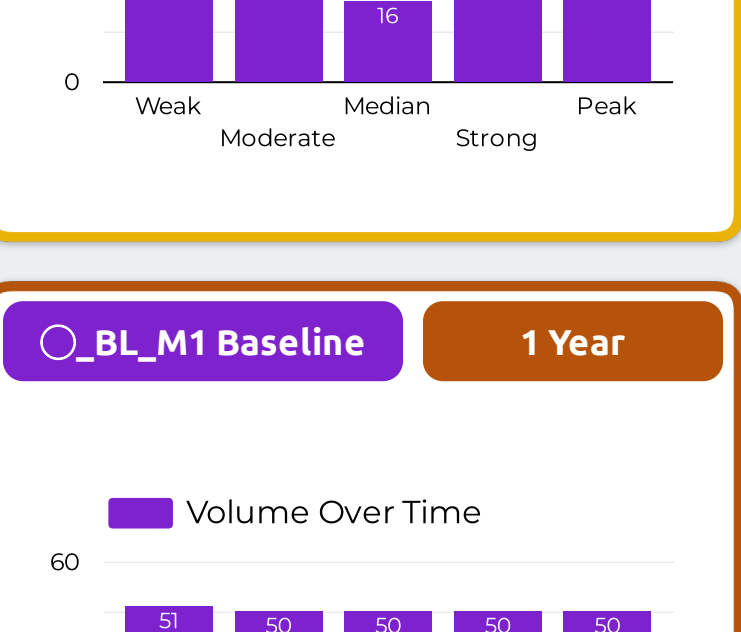
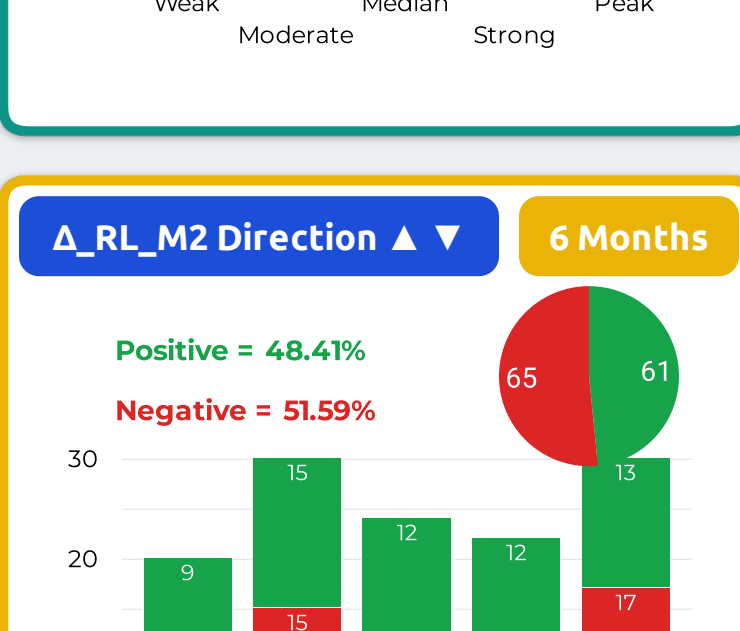
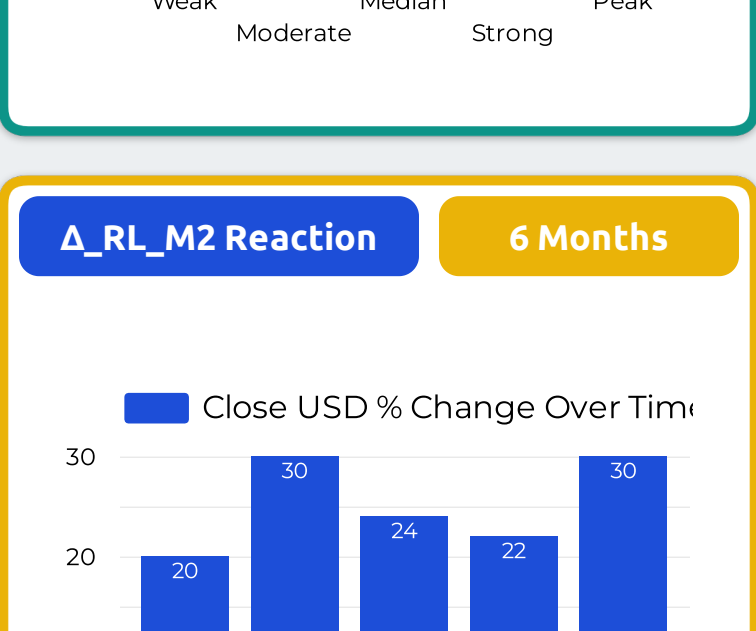
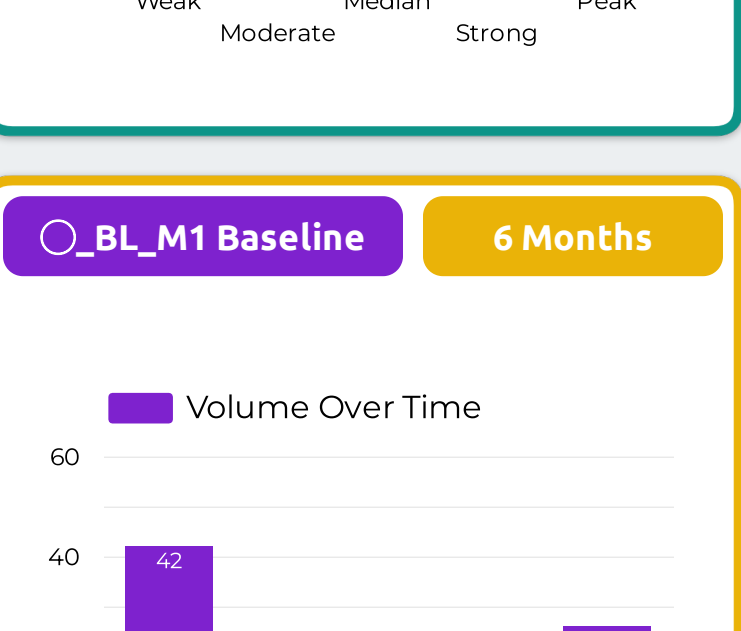
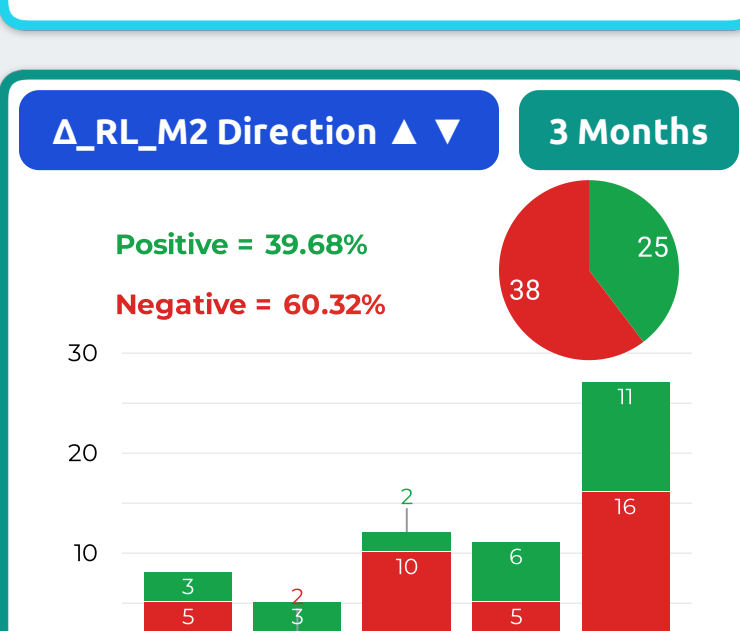
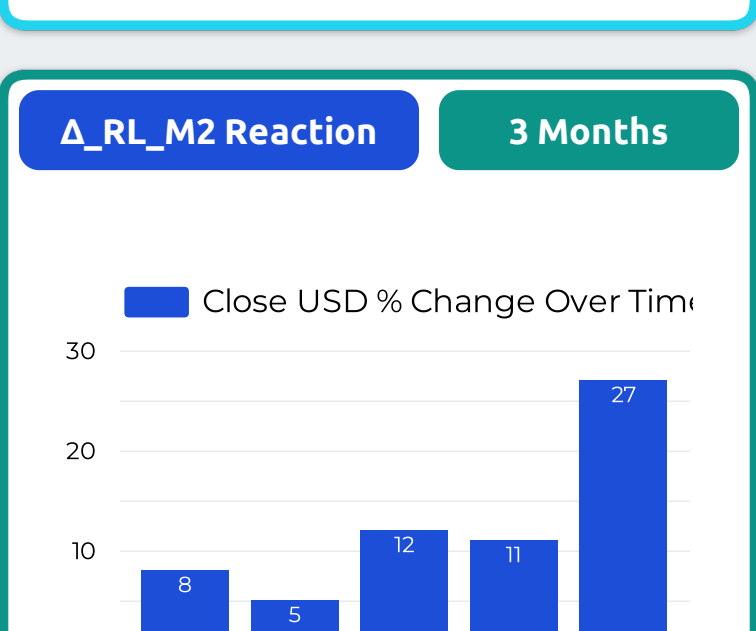
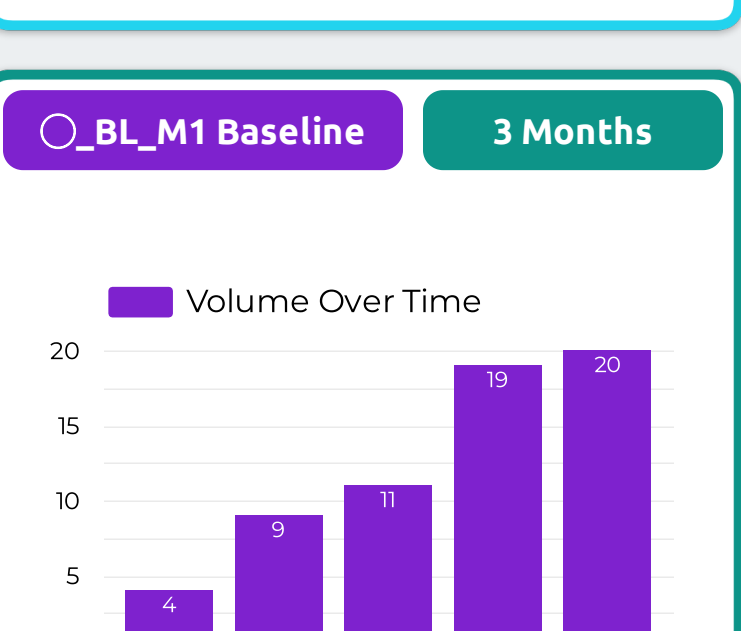
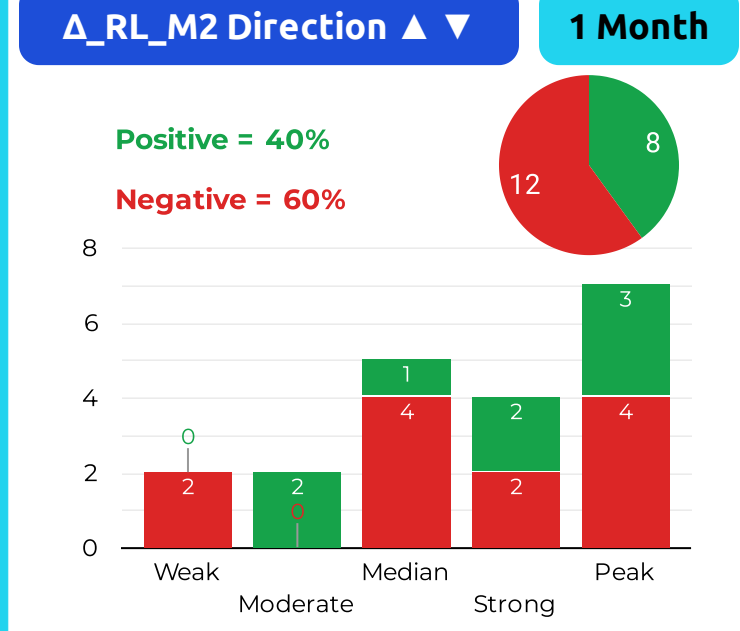
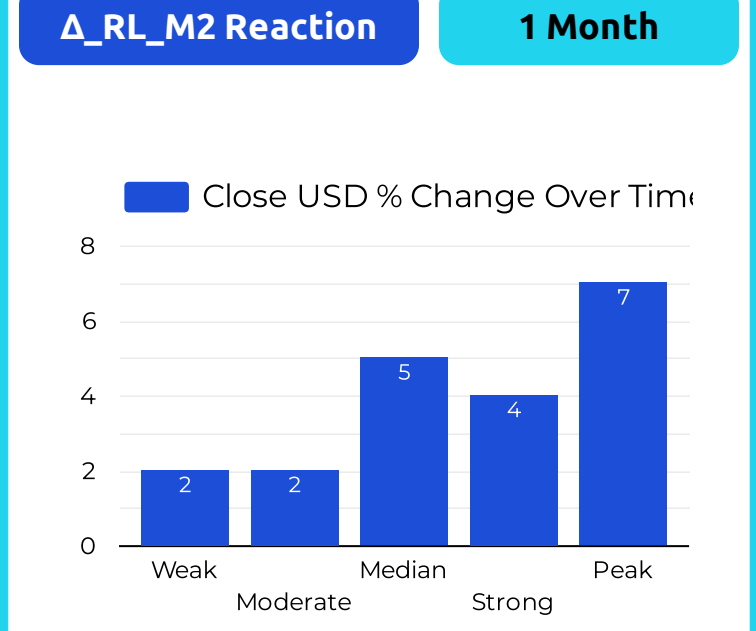
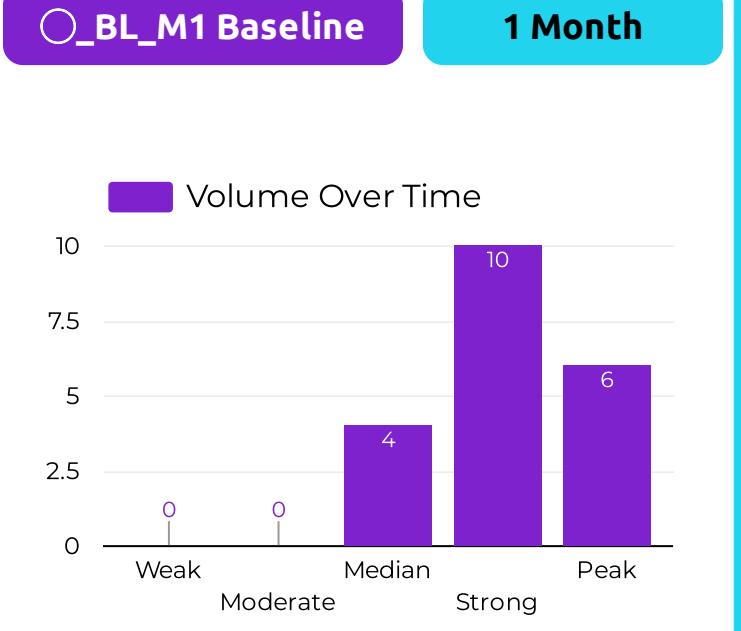
Local History Q-Bands: M1 = Volume | M2 = Close Price % Change

Peak - Volume M1

Peak - Price % Change M2

Date	○_BL_M1	Position	△_RL_M2	Peak List	Date_○_BL...	Peak List	Date_△_RL...
Dec 31, 2018	Median	First Active Date	Weak ▼	1	Dec 21, 2018	1	Dec 26, 2018
Dec 28, 2018	Strong	2nd Active Date	Median ▲	2	Dec 20, 2018	2	Dec 21, 2018
Dec 27, 2018	Strong	3rd	Median ▼	3	Dec 19, 2018	3	Dec 19, 2018
Dec 26, 2018	Strong	4th	Peak ▲	4	Dec 4, 2018	4	Dec 7, 2018
Dec 24, 2018	Median	5th	Median ▼	5	Dec 3, 2018	5	Dec 4, 2018
Dec 21, 2018	Peak	6th	Peak ▼	6	Nov 30, 2018	6	Dec 3, 2018
Dec 20, 2018	Peak	7th	Strong ▼	7	Nov 28, 2018	7	Nov 30, 2018
Dec 19, 2018	Peak	8th	Peak ▼	8	Nov 27, 2018	8	Nov 28, 2018
Dec 18, 2018	Strong	9th	Strong ▲	9	Nov 26, 2018	9	Nov 26, 2018
Dec 17, 2018	Strong	10th	Median ▼	10	Nov 21, 2018	10	Nov 19, 2018

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	2.53%
1 Month	2.85%
3 Months	3.51%
6 Months	2.42%
1 Year	2.14%
Distant 6 Months	1.87%

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.

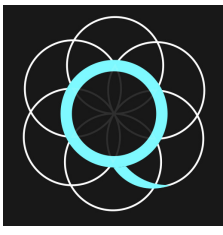
These are non-negative % values before Ordinal Ranking.

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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○_BL_M1 Baseline & △_RL_M2 Reaction

Newest Historical Activity

1 Year

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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

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

○_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

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Peak	1	5	7	4	2	1	0	2	1	13	8	6
Strong	6	5	2	6	4	5	6	3	2	3	4	4
Median	6	5	4	3	3	5	4	5	3	3	4	5
Moderate	3	1	1	3	7	5	5	10	10	2	1	2
Weak	5	3	7	5	6	5	6	3	3	2	4	2

△_RL_M2 Reaction

Monthly Q-Band % Change Proportions

1 Year

△_RL_M2 Direction ▲ ▼

Monthly Reaction Directional Polarity

1 Year

Positive = 49.8%

Negative = 50.2%

126

125

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Negative	6	9	11	13	9	13	10	7	10	15	11	12
Positive	15	10	10	8	13	8	11	16	9	8	10	7

71%

53%

48%

38%

59%

38%

52%

70%

47%

35%

48%

37%

29%

47%

52%

62%

41%

62%

48%

30%

53%

65%

52%

63%

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