

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 / 2020 / NY / Metric 1 Volume / Metric 2 Close Price USD / EDT UTC -4hrs

Newest: Dec 31, 2020

Oldest: Jan 1, 2020

Newest Active Date: Dec 31, 2020

UTC-04:00 Atlantic Canada / Venezuela

QAE Timestamp: 2026-06-21 | 17:36:14

Day Count
366

Active Days
253

Participation
69.13%

○_BL_M1 Baseline1 Year

Newest Active Dec 31, 2020
Volume
192,424,398
Weak
Consecutive Days
(no direction) Weak = 7

Lowest Volume
Dec 24, 2020
97,883,519

Highest Volume
Sep 4, 2020
1,463,682,785

Baseline Lens Q-Band M1
Volume Cut-Offs

Weak | Up To - 284,318,077.00
Moderate | Up To - 367,771,764.00
Median | Up To - 495,172,715.00
Strong | Up To - 660,693,721.00
Peak | Up To - 1,463,682,785.00

△_RL_M2 Reaction1 Year

Newest Active Dec 31, 2020
Close Price USD % Change
0.684% = 13.06
Weak ▼
Consecutive Days
Weak ▼ = 1
(no direction) Weak = 1

Lowest % Change
Jun 4, 2020
0.000%

Highest % Change
Mar 16, 2020
18.439%

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

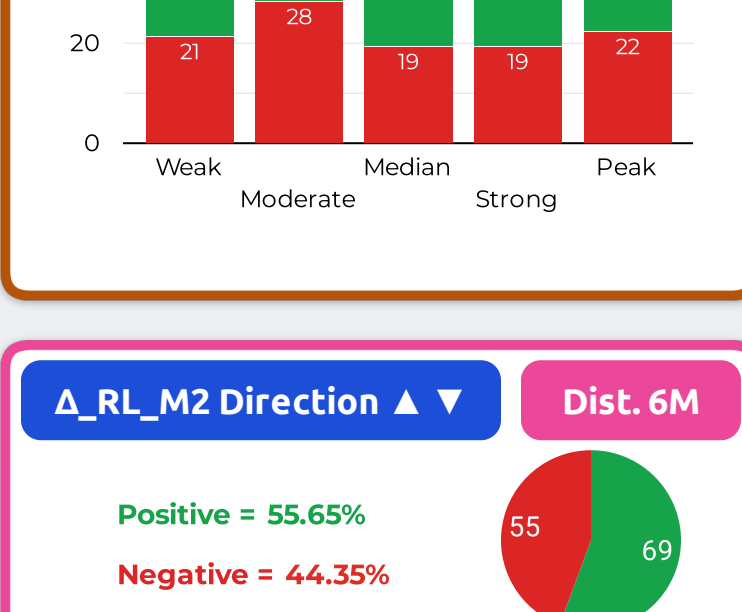
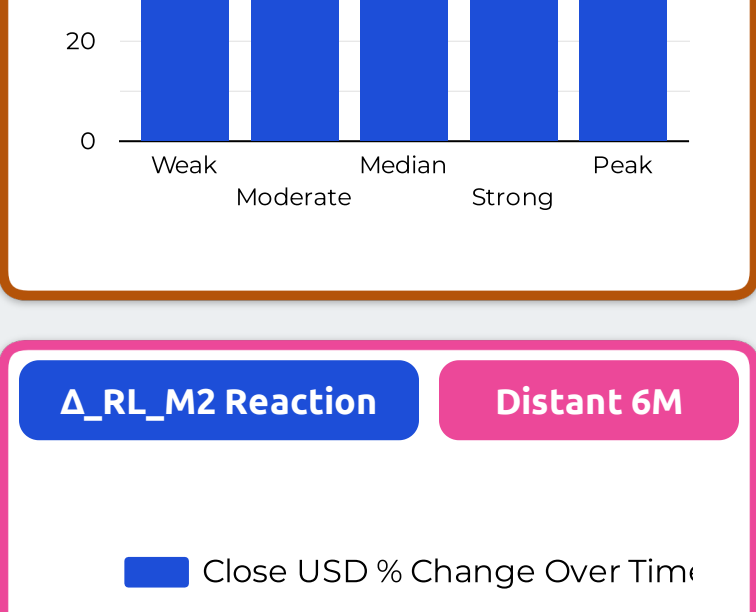
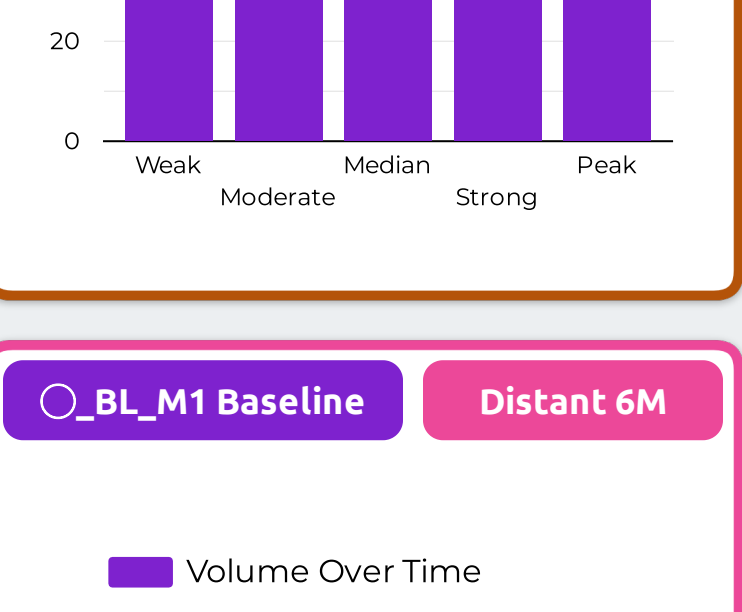
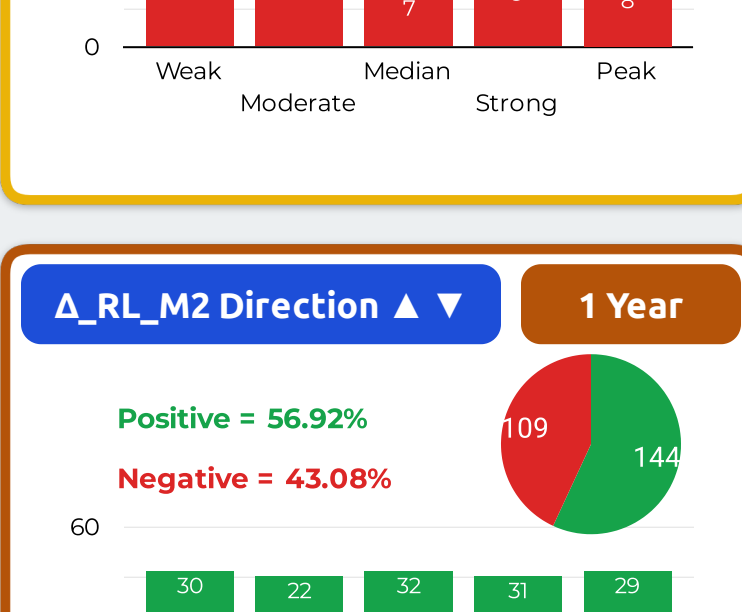
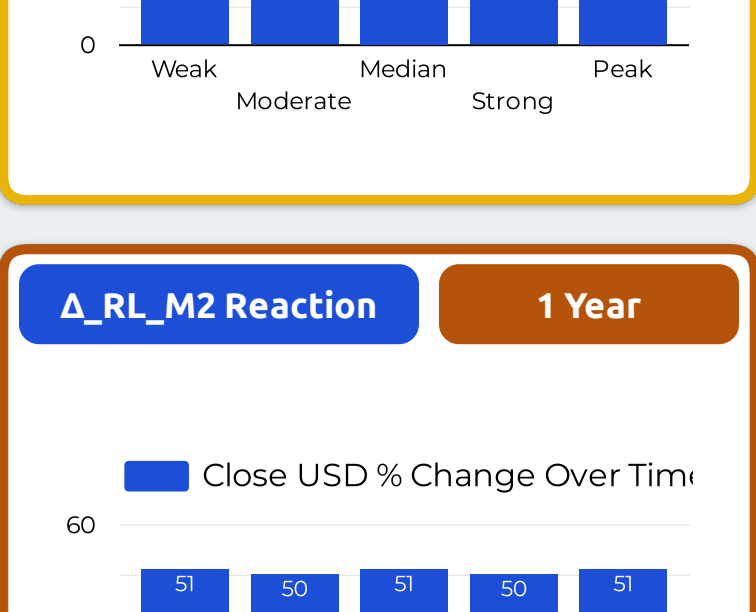
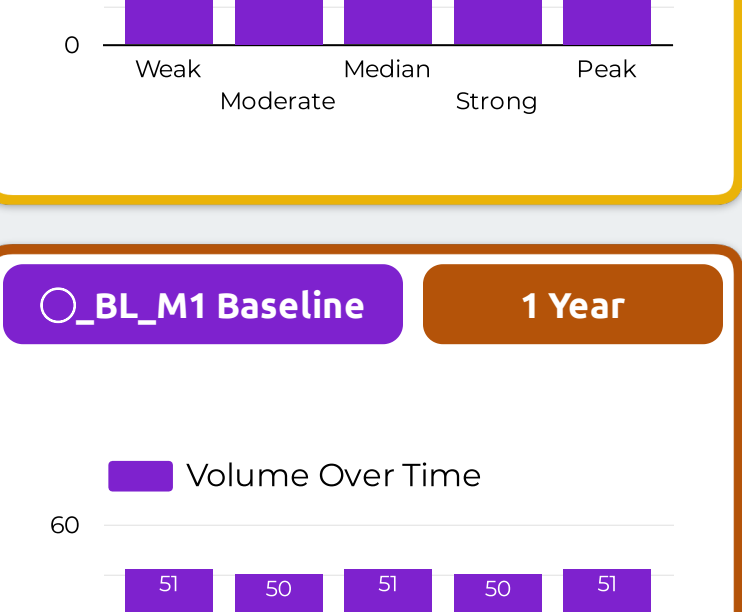
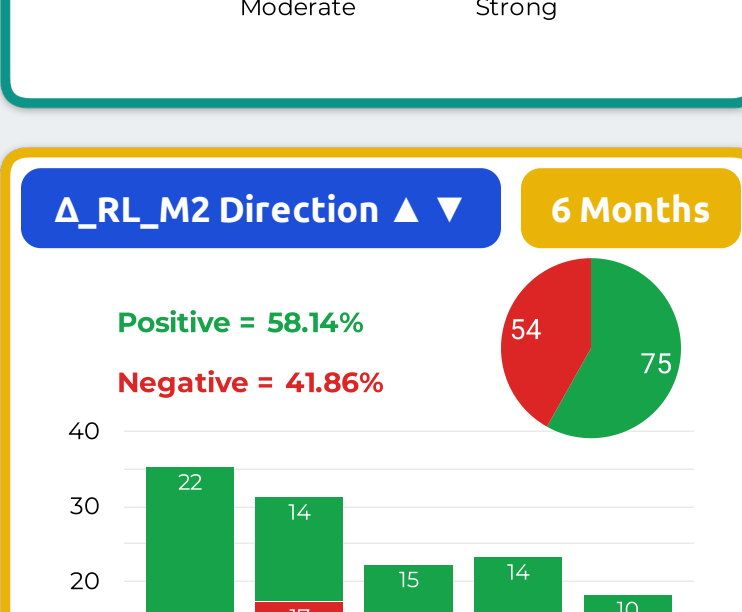
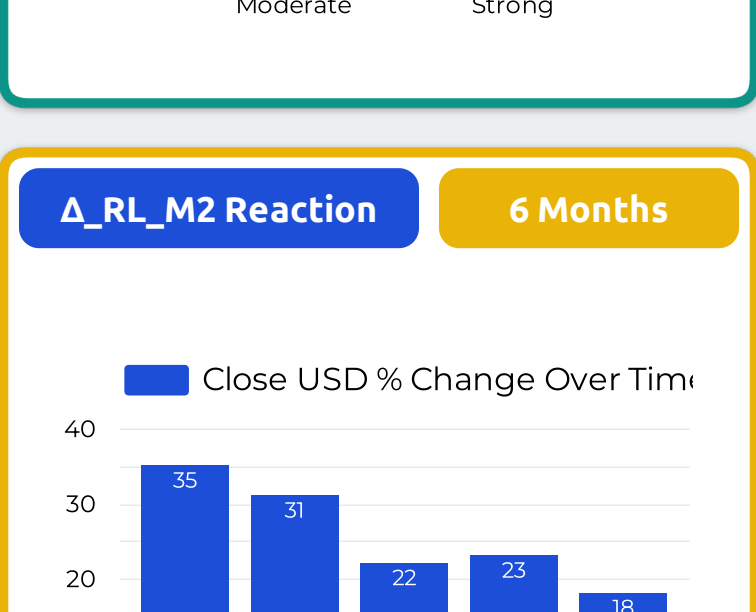
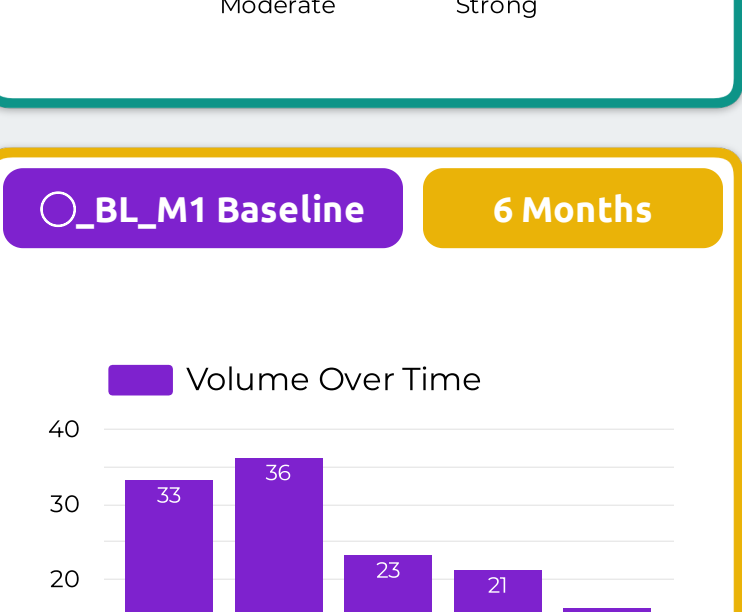
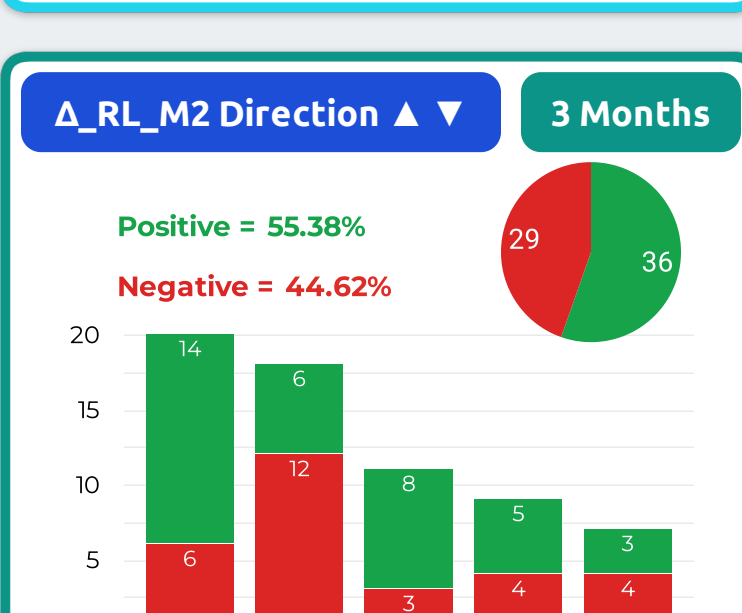
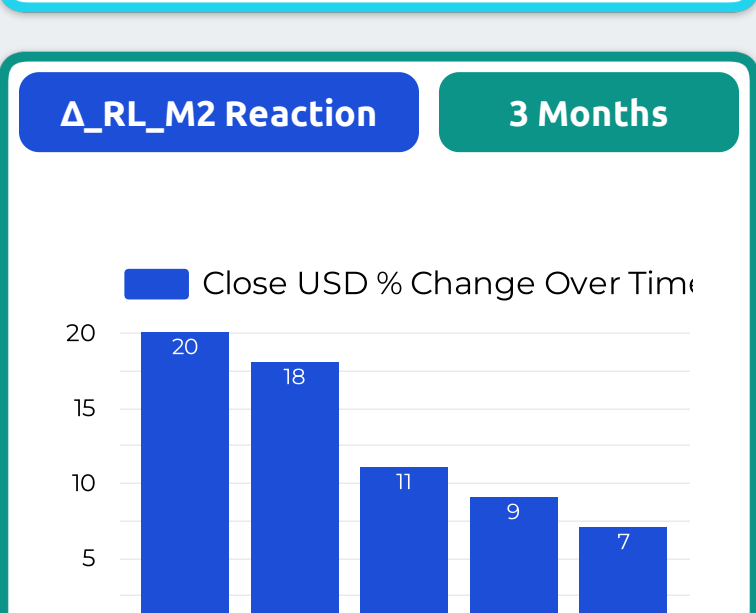
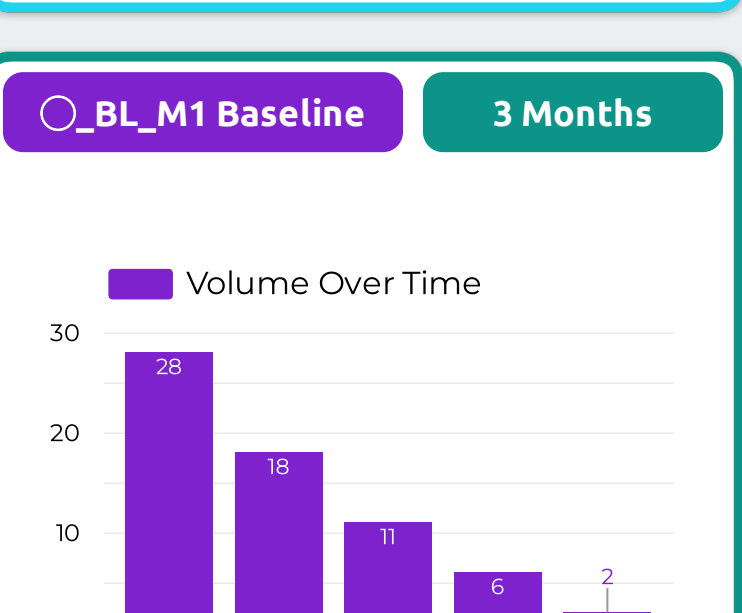
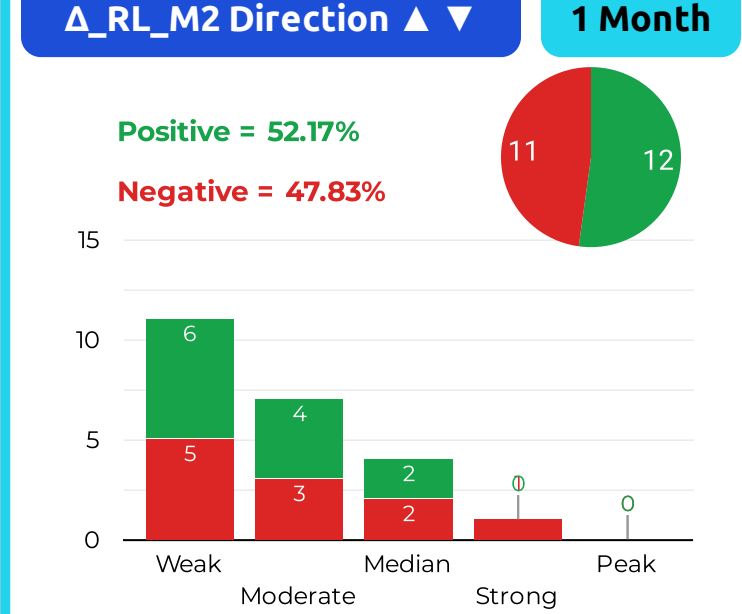
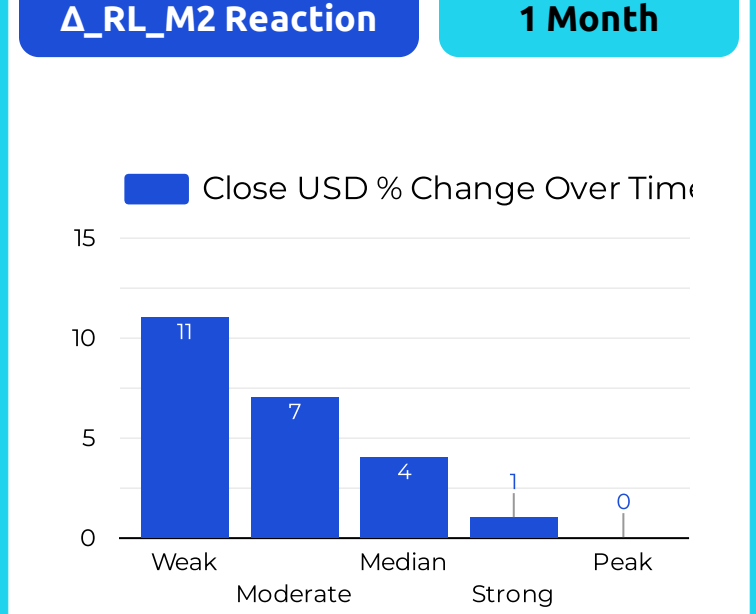
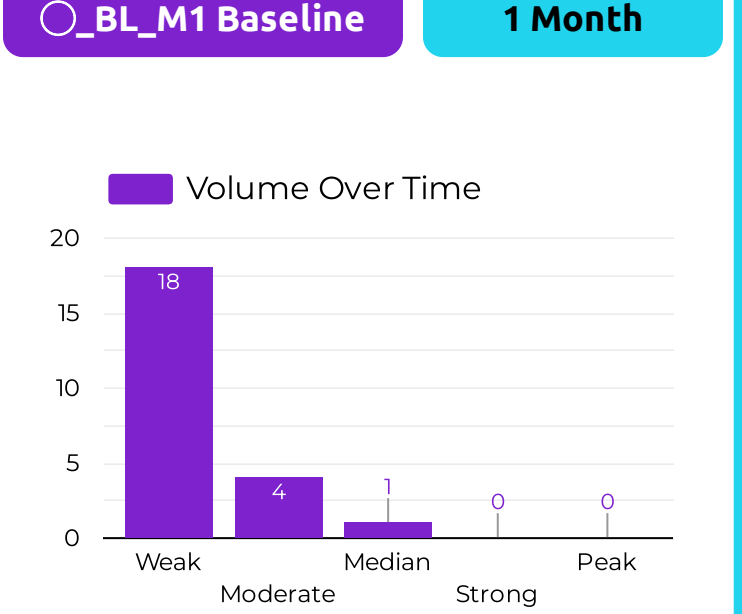
Weak | Up To - 0.6849%
Moderate | Up To - 1.4223%
Median | Up To - 2.5156%
Strong | Up To - 3.9714%
Peak | Up To - 18.4385%

○_BL_M1 Baseline & △_RL_M2 ReactionNewest Historical Activity1 Year

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

Date	○_BL_M1	Position	△_RL_M2	Peak List	Date_○_BL...	Peak List	Date_△_RL...
Dec 31, 2020	Weak	First Active Date	Weak ▼	1	Oct 6, 2020	1	Nov 11, 2020
Dec 30, 2020	Weak	2nd Active Date	Median ▲	2	Sep 30, 2020	2	Nov 10, 2020
Dec 29, 2020	Weak	3rd	Weak ▲	3	Sep 24, 2020	3	Nov 9, 2020
Dec 28, 2020	Weak	4th	Moderate ▼	4	Sep 21, 2020	4	Nov 4, 2020
Dec 24, 2020	Weak	5th	Weak ▼	5	Sep 18, 2020	5	Oct 28, 2020
Dec 23, 2020	Weak	6th	Median ▼	6	Sep 17, 2020	6	Oct 5, 2020
Dec 22, 2020	Weak	7th	Weak ▼	7	Sep 15, 2020	7	Oct 2, 2020
Dec 21, 2020	Moderate	8th	Weak ▲	8	Sep 14, 2020	8	Sep 25, 2020
Dec 18, 2020	Moderate	9th	Weak ▼	9	Sep 10, 2020	9	Sep 23, 2020
Dec 17, 2020	Weak	10th	Moderate ▲	10	Sep 9, 2020	10	Sep 14, 2020

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	0.77%
1 Month	0.94%
3 Months	1.73%
6 Months	2%
1 Year	2.6%
Distant 6 Months	3.25%

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.

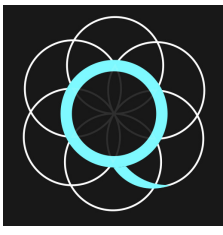
These are non-negative % values before Ordinal Ranking.

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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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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3 Months

6 Months

1 Year

Distant 6M

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QAE - Quintile Analysis Engine

SEASONAL BACK-STITCH PAGE

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Q_BL_M1 Baseline

1 Year

Newest Active Dec 31, 2020
Volume

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Weak

Consecutive Days
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Δ_RL_M2 Reaction

1 Year

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Close Price USD % Change

0.684%

= 13.06

Weak ▼

Consecutive Days
Weak ▼ = 1
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Lowest % Change

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Reaction Lens Q-Band M2
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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
Dec 31, 2020	Weak	First Active Date	Weak ▼
Dec 30, 2020	Weak	2nd Active Date	Median ▲
Dec 29, 2020	Weak	3rd	Weak ▲
Dec 28, 2020	Weak	4th	Moderate ▼
Dec 24, 2020	Weak	5th	Weak ▼
Dec 23, 2020	Weak	6th	Median ▼
Dec 22, 2020	Weak	7th	Weak ▼
Dec 21, 2020	Moderate	8th	Weak ▲
Dec 18, 2020	Moderate	9th	Weak ▼
Dec 17, 2020	Weak	10th	Moderate ▲

Peak List	Date_Q_BL...
1	Oct 6, 2020
2	Sep 30, 2020
3	Sep 24, 2020
4	Sep 21, 2020
5	Sep 18, 2020
6	Sep 17, 2020
7	Sep 15, 2020
8	Sep 14, 2020
9	Sep 10, 2020
10	Sep 9, 2020

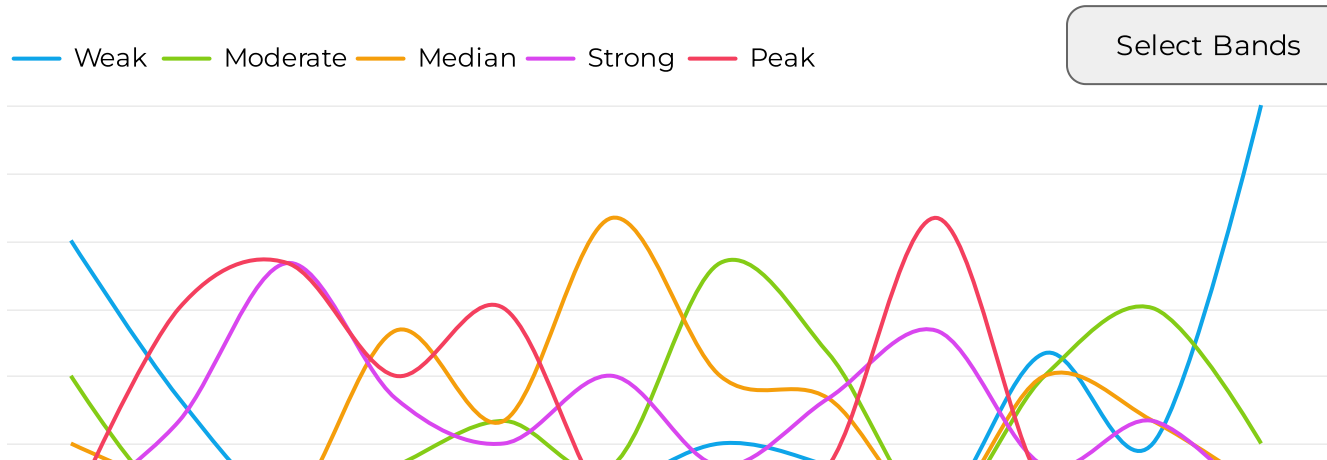
Peak List	Date_Δ_RL...
1	Nov 11, 2020
2	Nov 10, 2020
3	Nov 9, 2020
4	Nov 4, 2020
5	Oct 28, 2020
6	Oct 5, 2020
7	Oct 2, 2020
8	Sep 25, 2020
9	Sep 23, 2020
10	Sep 14, 2020

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

Q_BL_M1 Baseline

Monthly Q-Band Volume Trajectory

1 Year



Q_BL_M1 Baseline

Monthly Q-Band Volume Dispersion

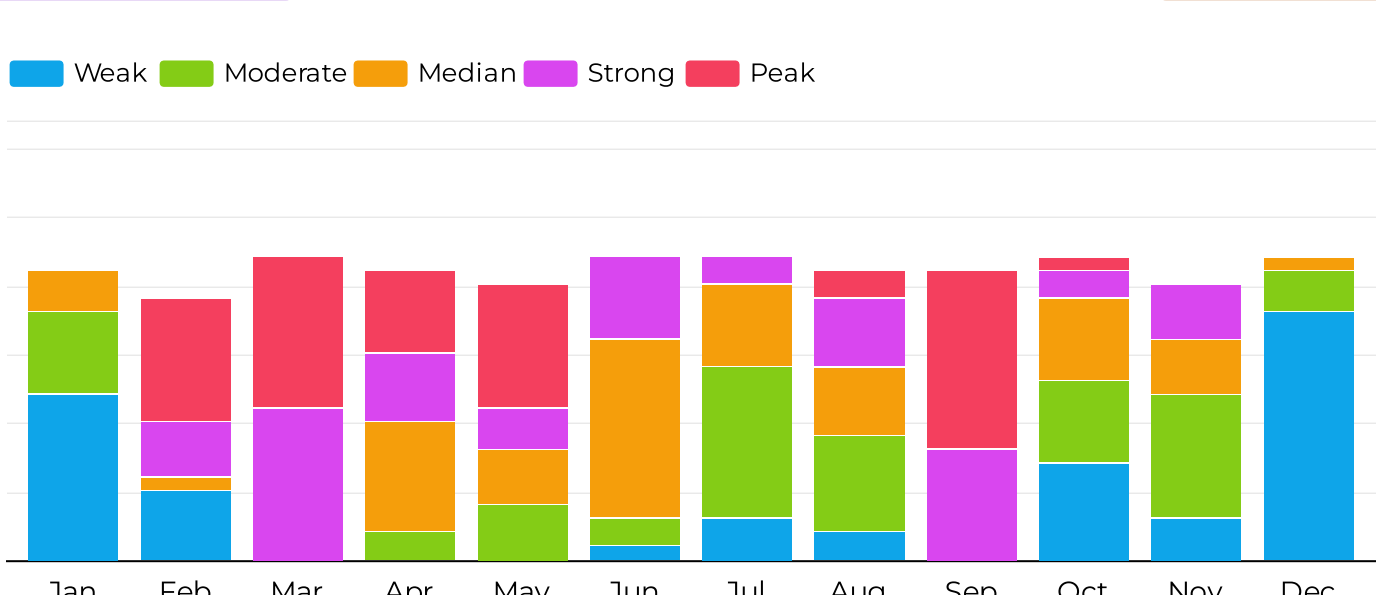
1 Year

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Peak	0	9	11	6	9	0	0	2	13	1	0	0
Strong	0	4	11	5	3	6	2	5	8	2	4	0
Median	3	1	0	8	4	13	6	5	0	6	4	1
Moderate	6	0	0	2	4	2	11	7	0	6	9	3
Weak	12	5	0	0	0	1	3	2	0	7	3	18

Q_BL_M1 Baseline

Monthly Q-Band Volume Proportions

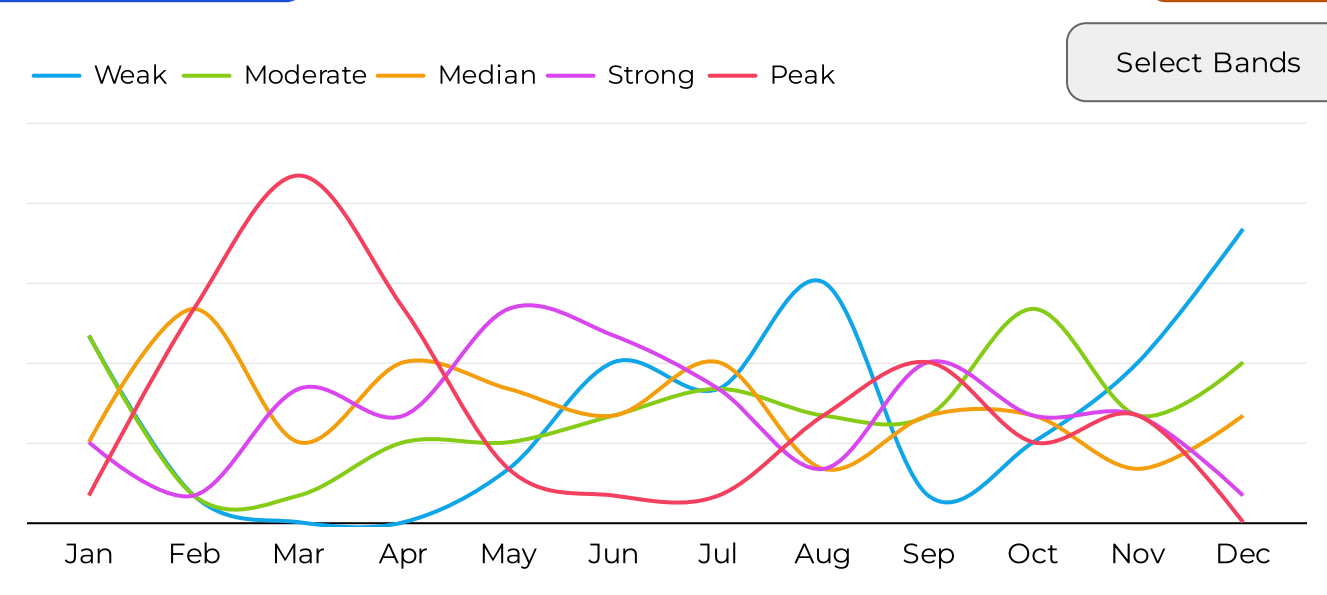
1 Year



Δ_RL_M2 Reaction

Monthly Q-Band % Change Trajectory

1 Year



Δ_RL_M2 Reaction

Monthly Q-Band % Change Dispersion

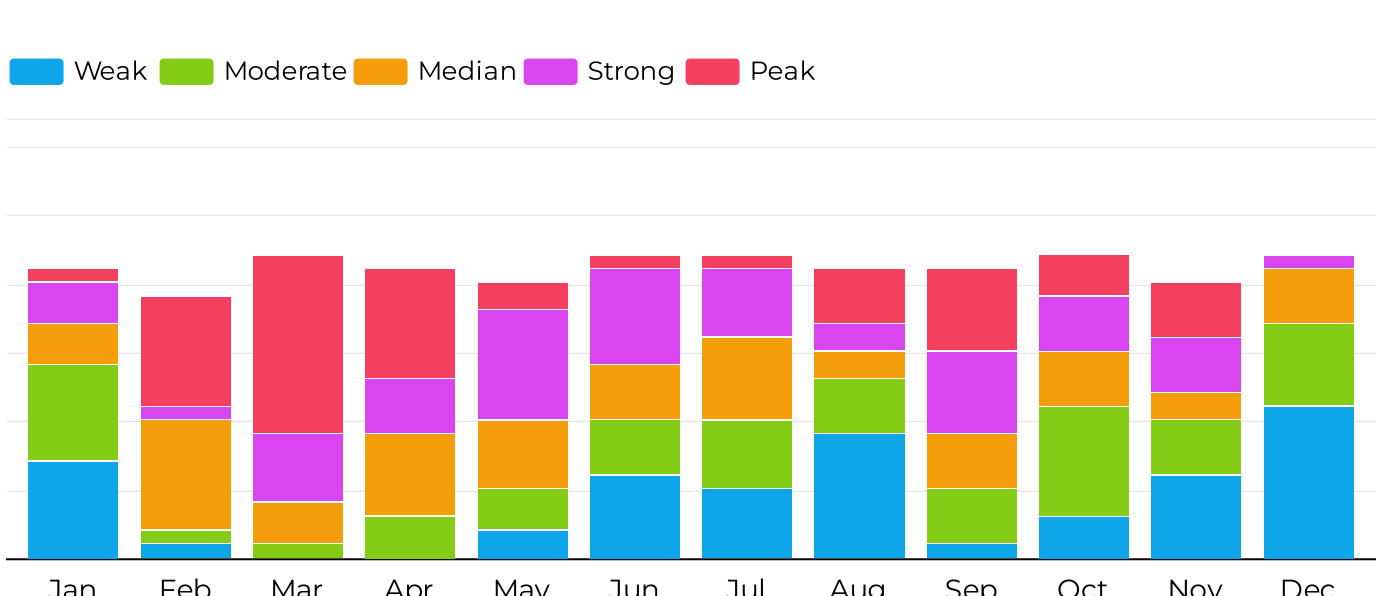
1 Year

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Peak	1	8	13	8	2	1	1	4	6	3	4	0
Strong	3	1	5	4	8	7	5	2	6	4	4	1
Median	3	8	3	6	5	4	6	2	4	4	2	4
Moderate	7	1	1	3	3	4	5	4	4	8	4	6
Weak	7	1	0	0	2	6	5	9	1	3	6	11

Δ_RL_M2 Reaction

Monthly Q-Band % Change Proportions

1 Year



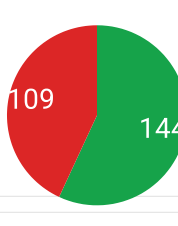
Δ_RL_M2 Direction ▲ ▼

Monthly Reaction Directional Polarity

1 Year

Positive = 56.92%

Negative = 43.08%



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Negative	8	7	12	11	7	10	8	8	9	12	6	11
Positive	13	12	10	10	13	12	14	13	12	10	14	11
	62%	63%	45%	48%	65%	55%	64%	62%	57%	45%	70%	50%
	38%	37%	55%	52%	35%	45%	36%	38%	43%	55%	30%	50%

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