

Quintile Analysis Engine Report V3.1

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 =** 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

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

REPORT TITLE: VIX Cboe / May 2026 / Chicago / Metric 1 VIX / Metric 2 VIX / (CDT); UTC-5

Newest: May 31, 2026

Oldest: Jun 1, 2025

Newest Active Date: May 29, 2026

UTC-05:00 North American East Coast / Cari...

QAE Timestamp: 2026-06-05 | 23:15:09

Day Count: 365 | Active Days: 257 | Participation: 70.41%

○_BL_M1 Baseline 1 Year

Newest Active May 29, 2026
Raw Metric

15.32

Weak

Consecutive Days (no direction) Weak = 2

Lowest Value: Dec 24, 2025 (13.47) | Highest Value: Jan 28, 2026 (31.05)

Baseline Lens Q-Band M1 Raw Metric Cut-Offs

- Weak | Up To - 15.75
- Moderate | Up To - 16.71
- Median | Up To - 17.67
- Strong | Up To - 20.07
- Peak | Up To - 31.05

△_RL_M2 Reaction 1 Year

Newest Active May 29, 2026
Reaction Intensity %

2.700% = 15.32

Moderate ▼

Consecutive Days Moderate ▼ = 1 (no direction) Moderate = 1

Lowest Reaction %: Jan 28, 2026 (0.000%) | Highest Reaction %: Oct 10, 2025 (31.800%)

Reaction Lens Q-Band M2 Reshaped RI Metric Cut-Offs

- Weak | Up To - 1.2586%
- Moderate | Up To - 3.0507%
- Median | Up To - 4.8664%
- Strong | Up To - 7.9994%
- Peak | Up To - 31.8320%

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

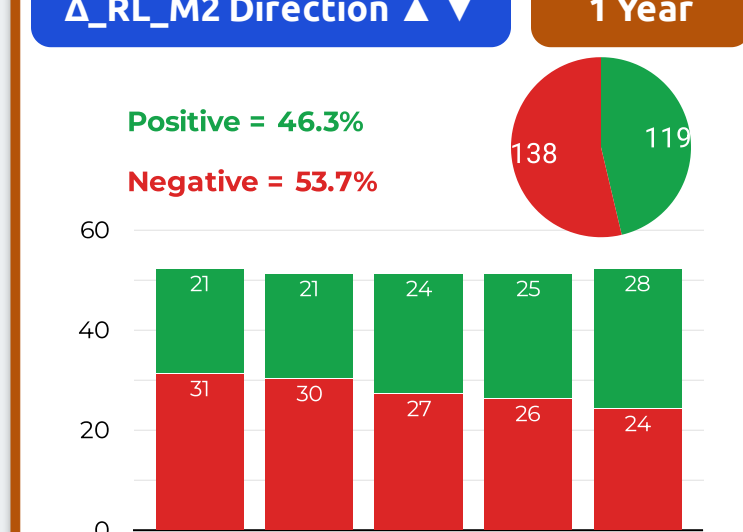
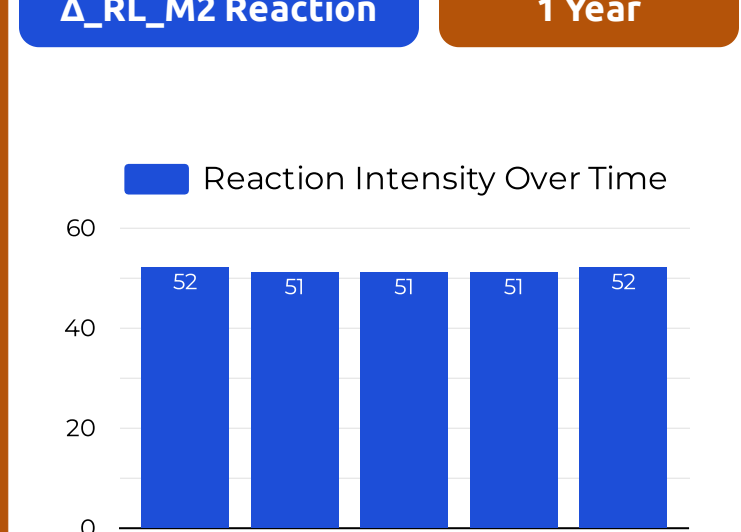
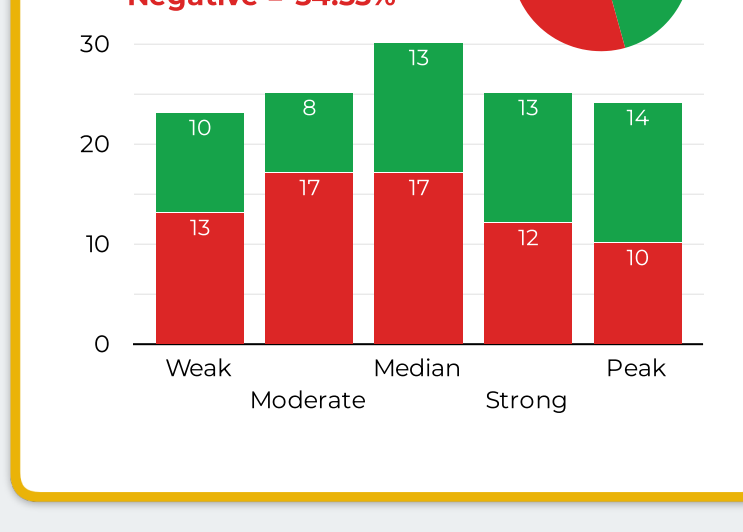
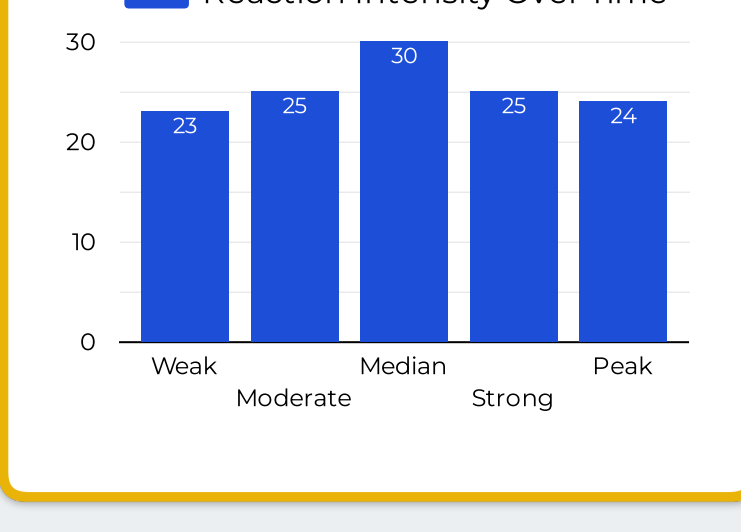
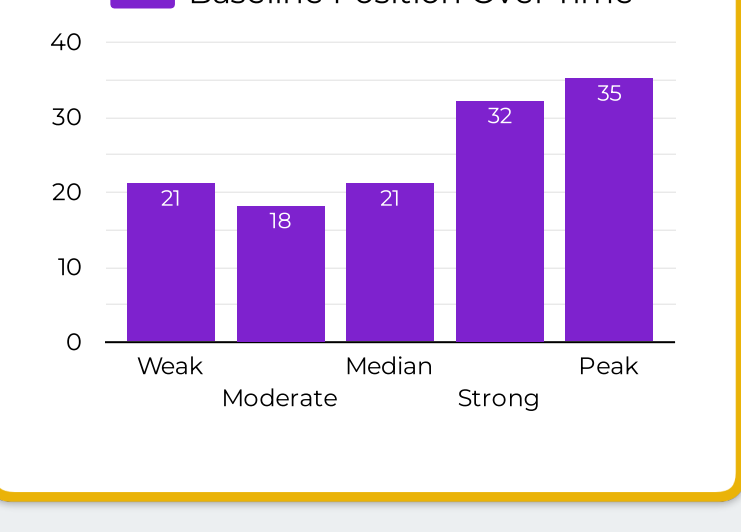
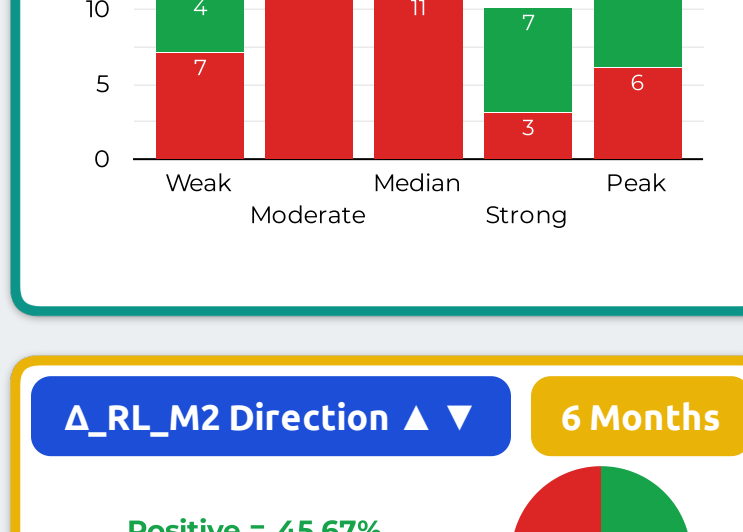
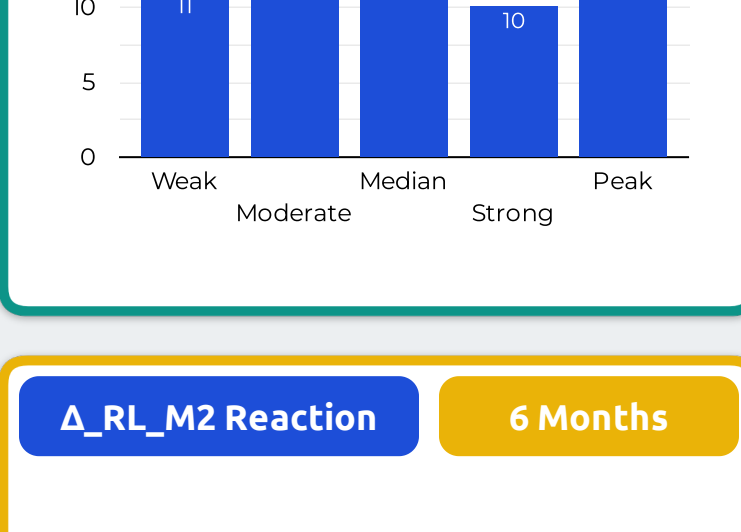
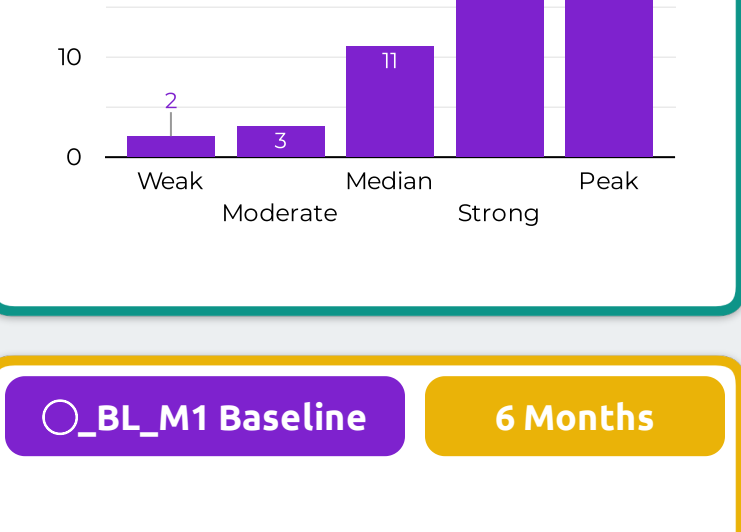
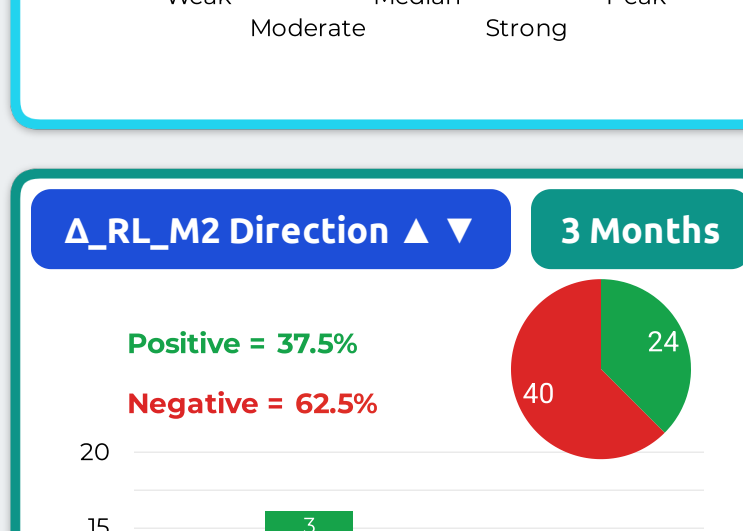
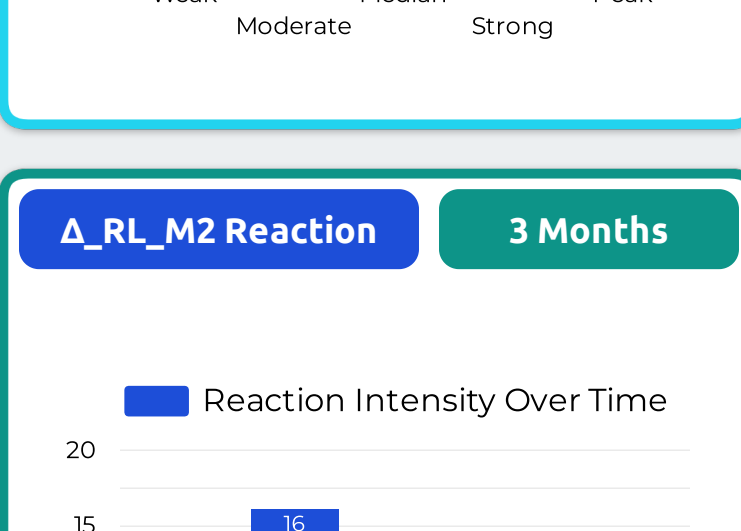
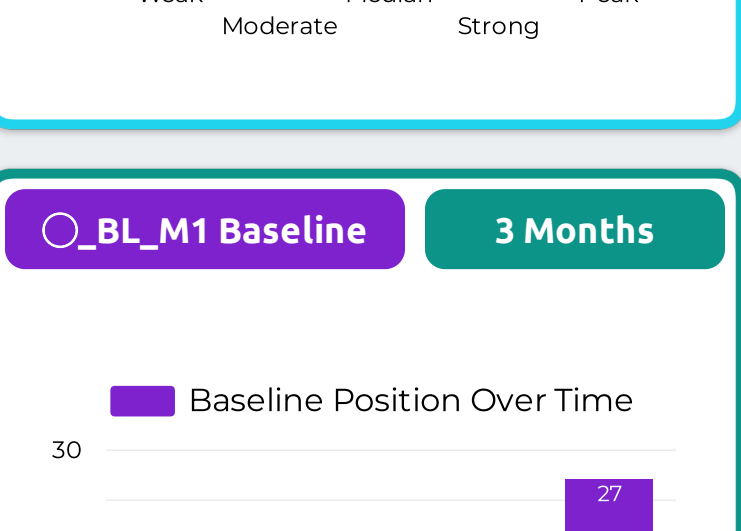
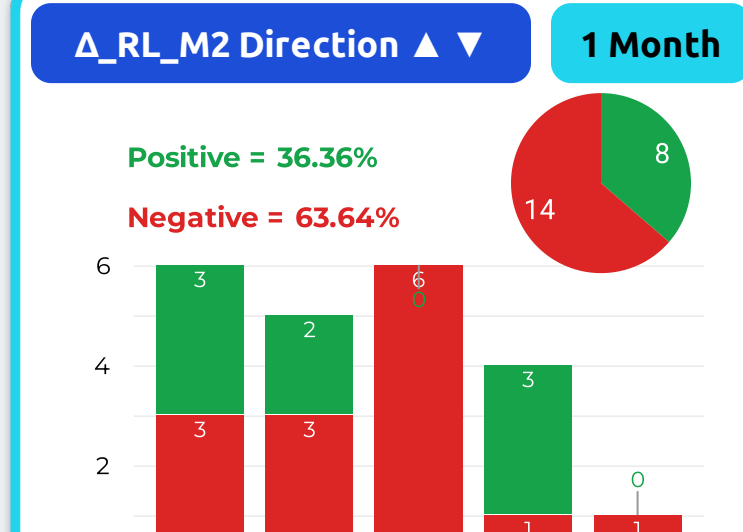
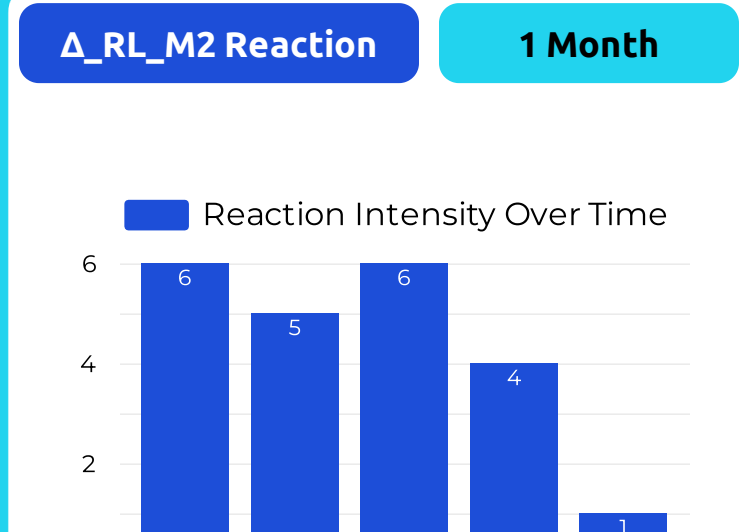
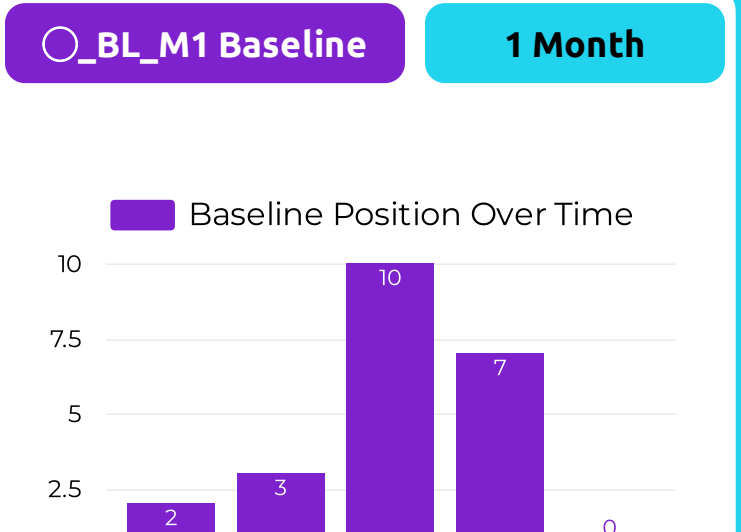
Local History Q-Bands: M1 = Raw Metric | M2 = Reaction % Change

Date	○_BL_M1	Position	△_RL_M2
May 29, 2026	Weak	First Active Date	Moderate ▼
May 28, 2026	Weak	2nd Active Date	Median ▼
May 27, 2026	Moderate	3rd	Median ▼
May 26, 2026	Median	4th	Moderate ▲
May 25, 2026	Moderate	5th	Weak ▼
May 22, 2026	Moderate	6th	Weak ▼
May 21, 2026	Median	7th	Median ▼
May 20, 2026	Median	8th	Median ▼
May 19, 2026	Strong	9th	Moderate ▲
May 18, 2026	Strong	10th	Median ▼

Peak List	Date_○_BL...
1	Apr 8, 2026
2	Apr 7, 2026
3	Apr 6, 2026
4	Apr 2, 2026
5	Apr 1, 2026
6	Mar 31, 2026
7	Mar 30, 2026
8	Mar 27, 2026
9	Mar 26, 2026
10	Mar 25, 2026

Peak List	Date_△_RL...
1	Apr 30, 2026
2	Apr 8, 2026
3	Mar 31, 2026
4	Mar 27, 2026
5	Mar 26, 2026
6	Mar 20, 2026
7	Mar 18, 2026
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9	Mar 12, 2026
10	Mar 9, 2026

Q-Band Counts 5 Timeframes: M1 = Raw Metric | M2 = Reaction % Change plus Directional Polarity Bias



△_RL_M2 Reaction △_RL_M2 Average Reaction (Timeframes) Mixed Timeframes

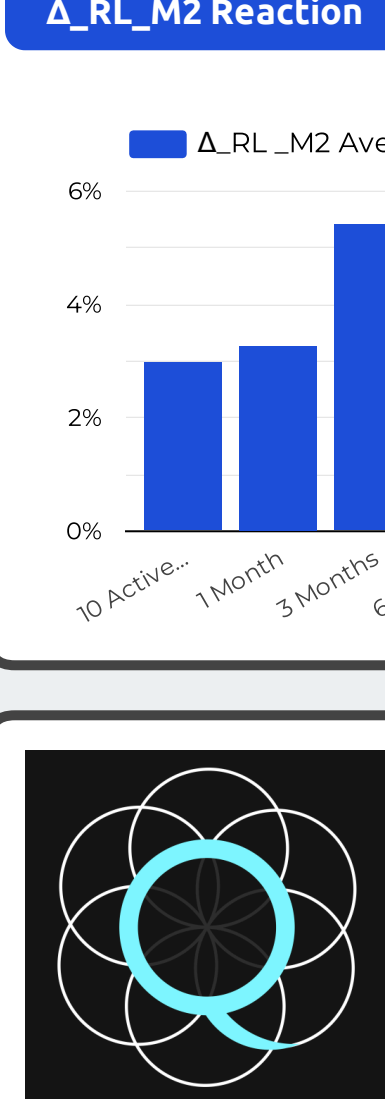
Additional Overlay details which so far seem useful with stable stock market data.

Reshaped Metric Values showing the Reaction Intensity averages over different timeframes.

An Overlay of Reaction Intensity as %, not quantile ranked.

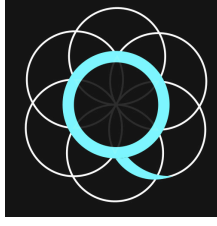
These are non-negative % values before Ordinal Ranking.

Timeframe Period	Average Reaction
10 Active Days	2.96%
1 Month	3.26%
3 Months	5.39%
6 Months	5.28%
1 Year	5.22%
Distant 6 Months	5.16%



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 (Additive)
- Added optional Ground Zero Constant Offset
- Corrected the Weak to Peak direction on heatmaps



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1 Year **Distant 6M**

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SEASONAL BACK-STITCH PAGE

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13.47 **31.05**

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Lowest Reaction % **Highest Reaction %**
Jan 28, 2026 **Oct 10, 2025**
0.000% **31.800%**

Reaction Lens Q-Band M2
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○_BL_M1 Baseline & **△_RL_M2 Reaction** **Newest Historical Activity** **1 Year**

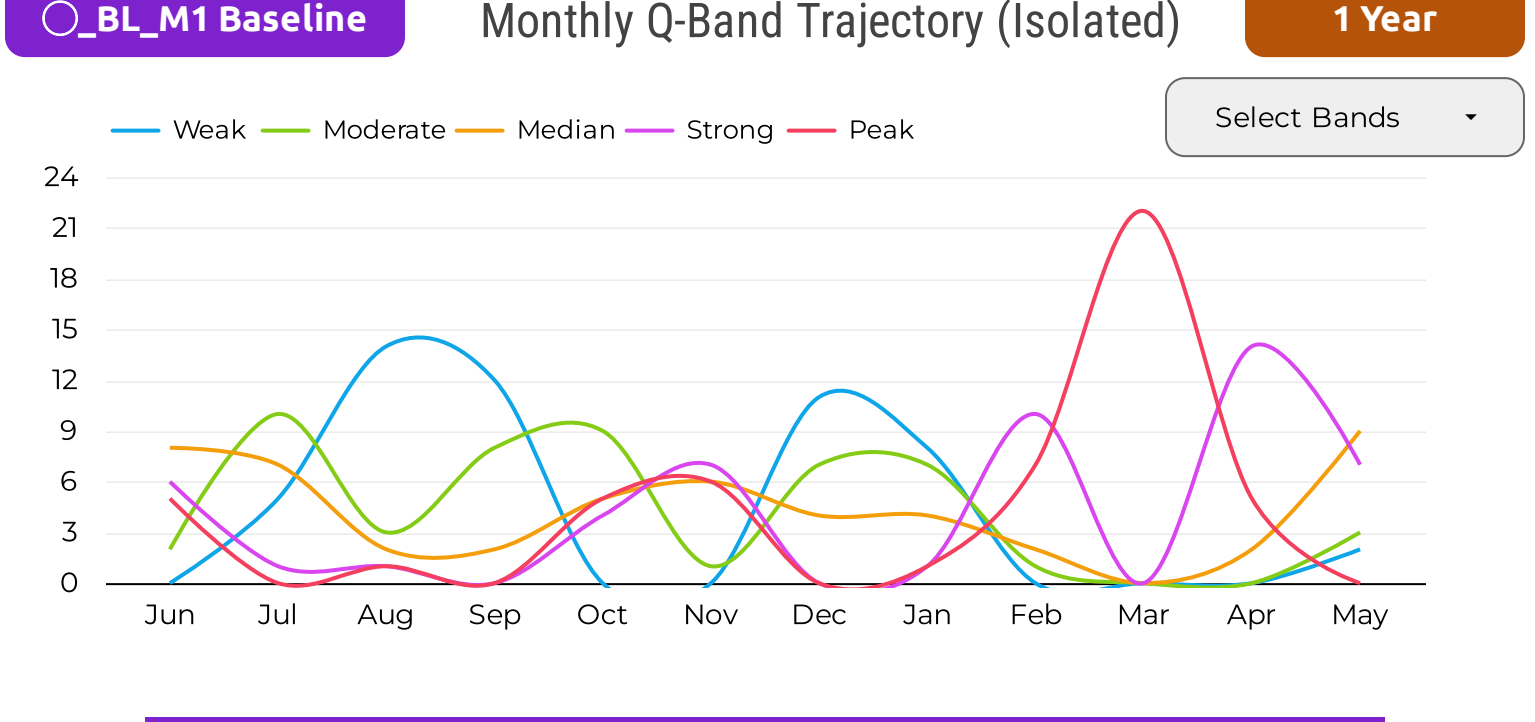
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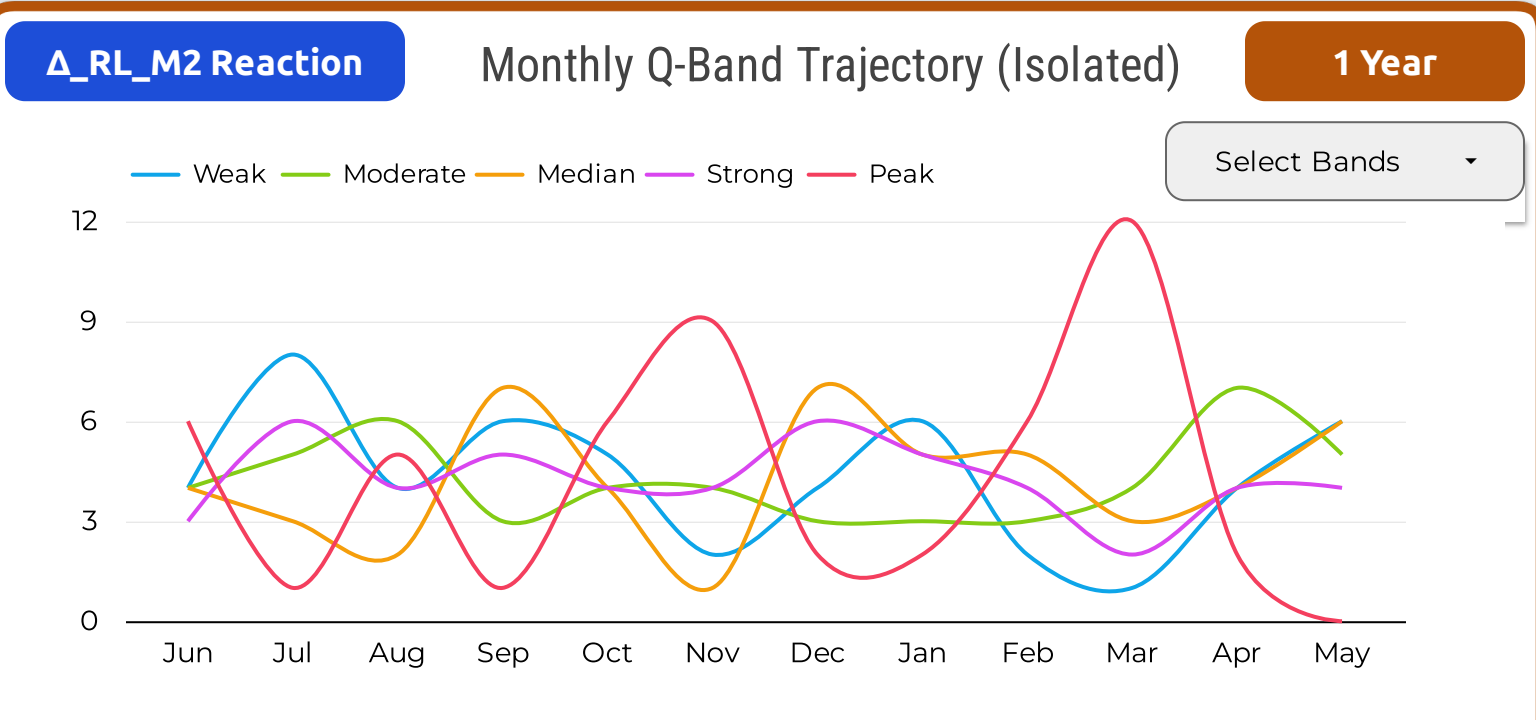
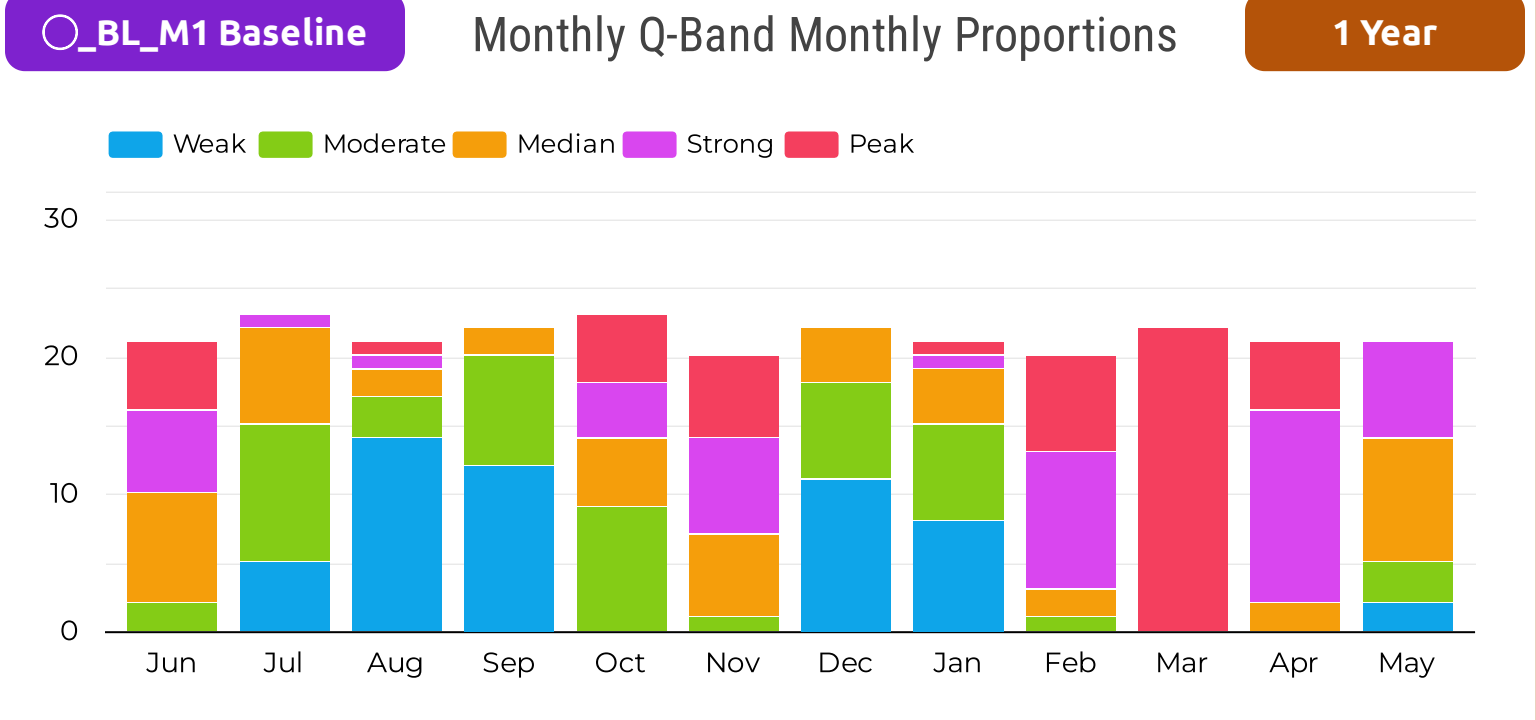
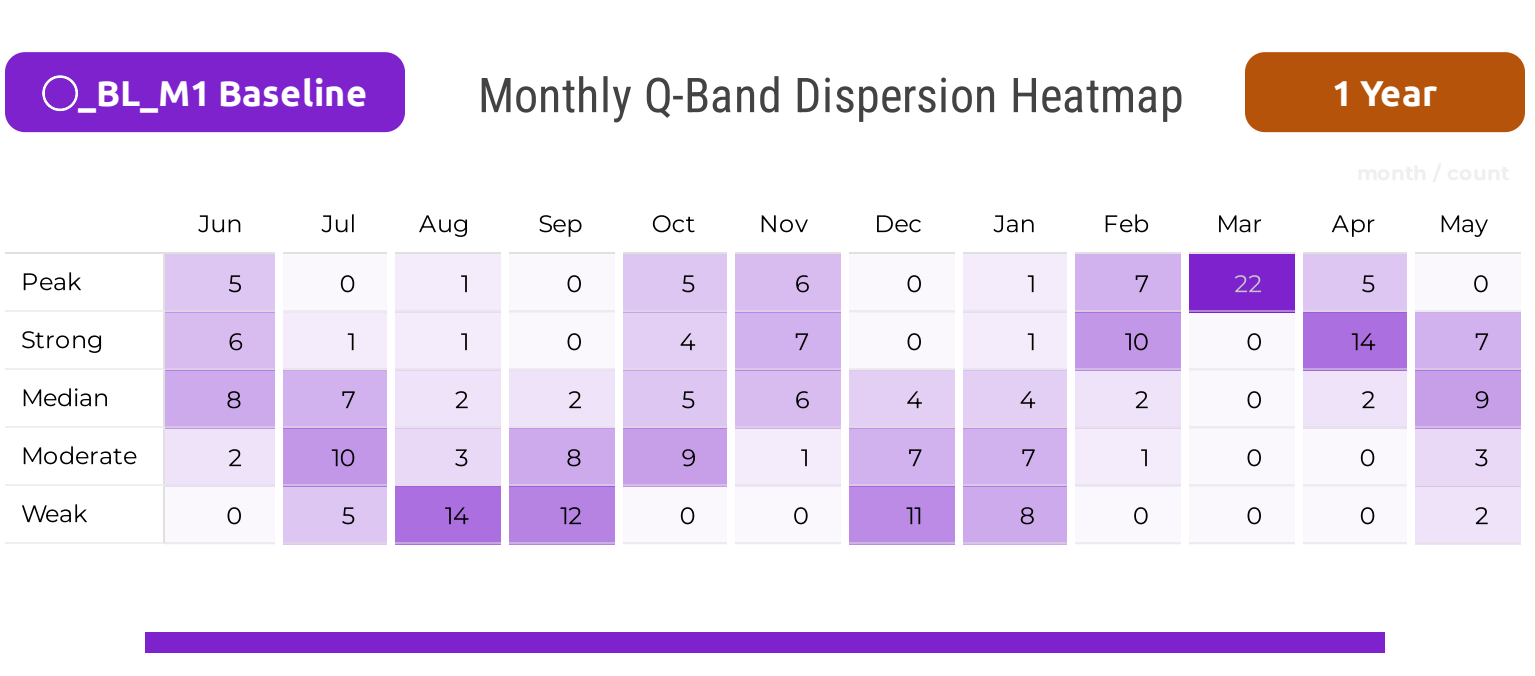
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Monthly Q-Band Counts: ON-TOP M1 = Raw Metric ---- BELOW M2 = Reaction Intensity % Change



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



These 3 barcharts / tables leftside are all from the same underlying M2 data-table which has indexed Q-Bands into monthly buckets

The Directional Bias barchart is a separated polarity data-table

