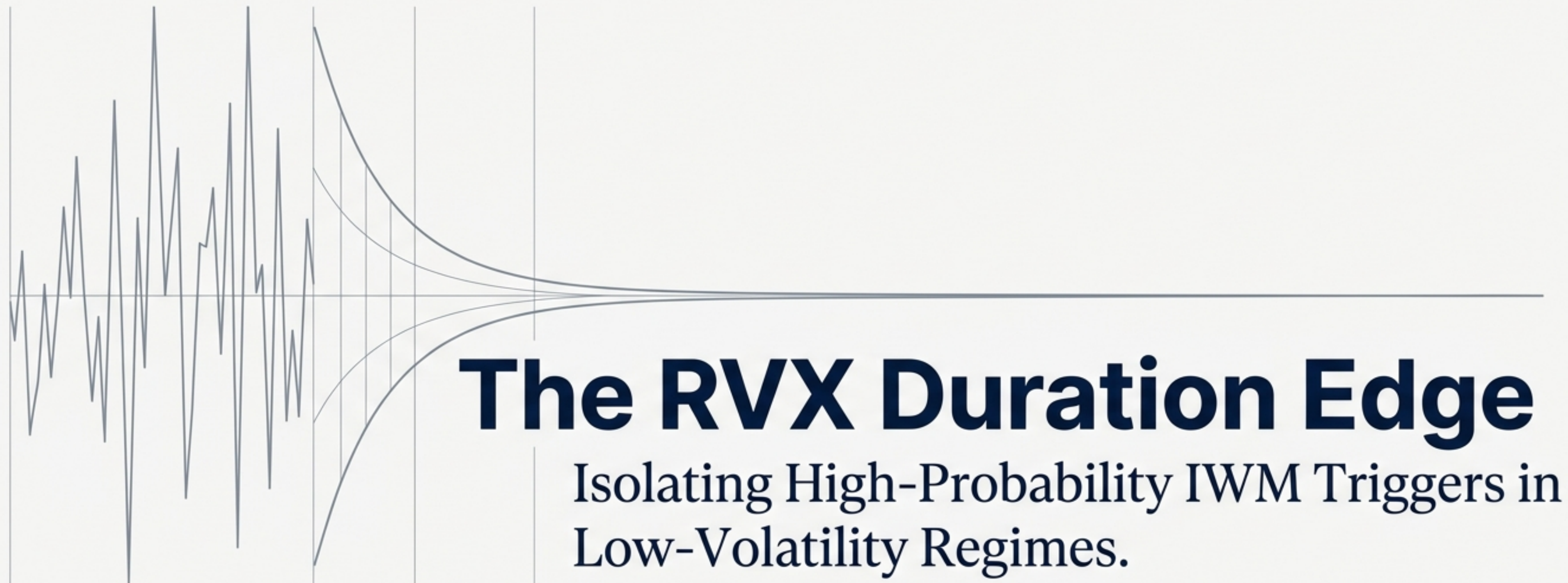




N = 1,647 Trading Days | Target: $RVX < 20$

The alpha generation trigger requires a specific duration threshold

**RVX < 20
Drives IWM
Longs**



A sub-20 Russell Volatility Index is structurally bullish for small caps.

**Duration is
the Edge**



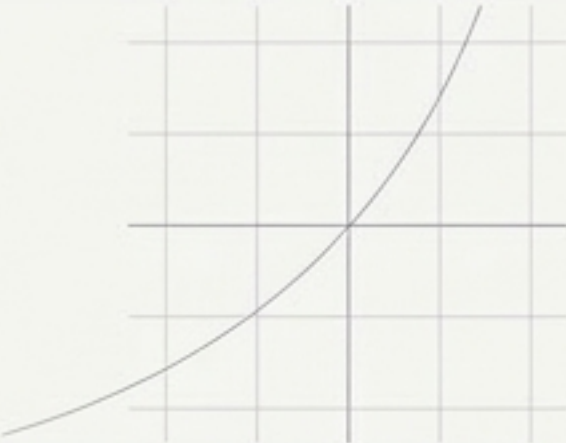
Merely crossing the threshold is insufficient; the edge compounds over consecutive days.

**>92%
Probability**



Surviving to the 11-15 day threshold triggers a >92% probability of positive IWM returns.

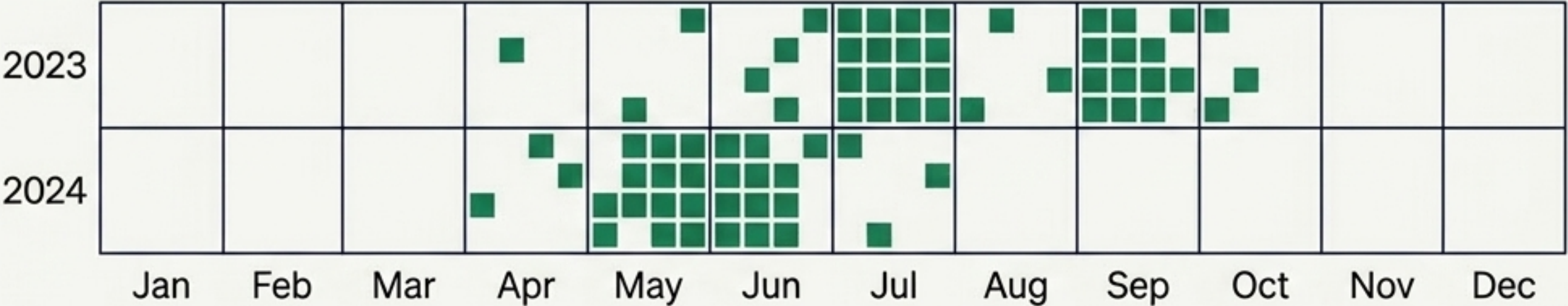
Low-volatility regimes are historically scarce but currently clustering



9.47% Total historical frequency of $RVX < 20$

51 days recorded in 2023 (peak concentrations in July and September)

39 days recorded year-to-date in 2024 (peak concentrations in May and June)



The market is currently generating low-volatility pockets at an accelerated, seasonal rate.

Forward returns accelerate systematically under the 20 volatility threshold

The return profile strictly strengthens and compounds as the time horizon extends within the sub-20 environment.



3.42%

0.77%

0.18%

0.07%

0.02%

1 Day

1 Week
(5 Days)

1 Month
(21 Days)

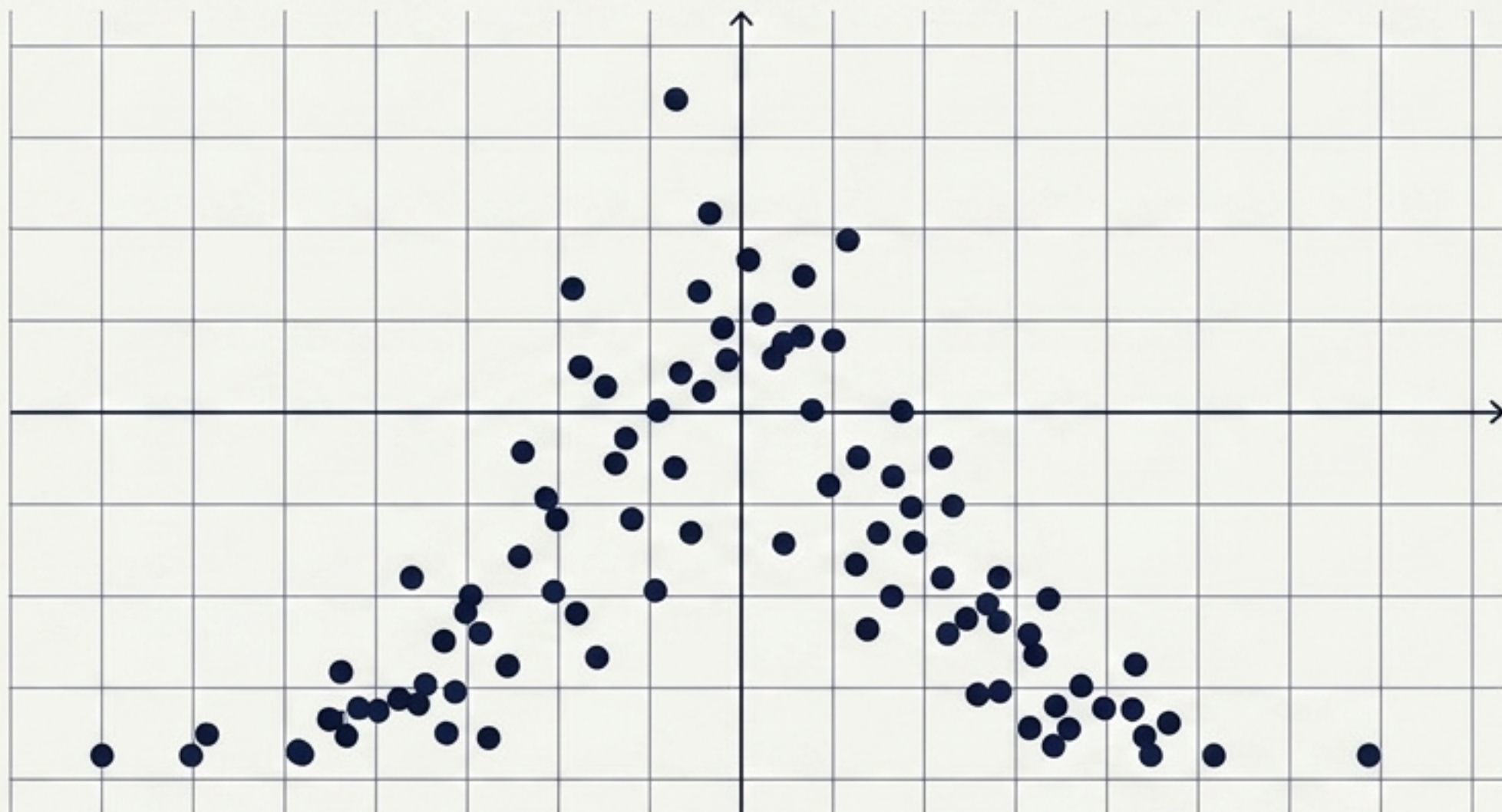
3 Months
(63 Days)

6 Months
(126 Days)

Consecutive days below the threshold form measurable streak events

97

**Distinct
Streak Events
identified.**



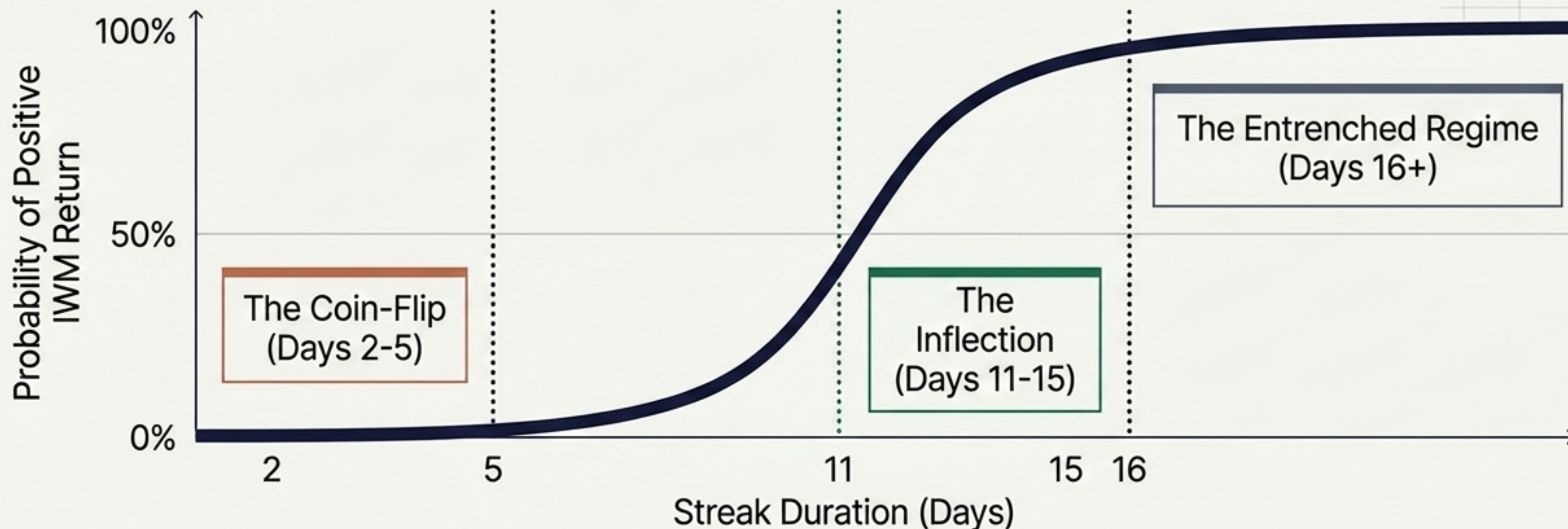
Average
Duration =
19.86 days.

Average IWM
Return =
+2.00%.

Statistical variance across these events measures 11.73, with a standard deviation of 3.42%.

The market averages nearly a full trading month (19.86 days) of continuous suppression once a streak takes hold, generating highly consistent small-cap yield.

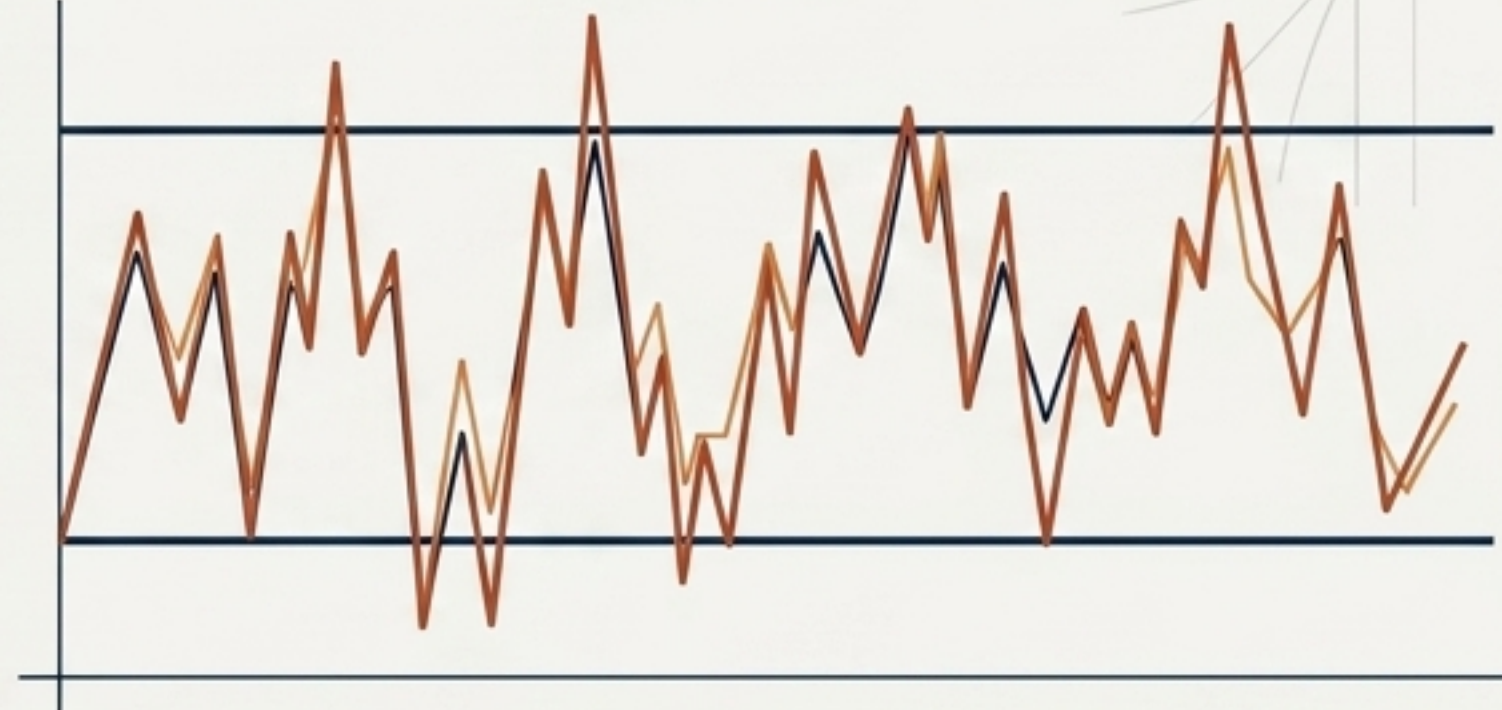
The Phase Transition maps the leap from noise to directional signal



Statistical variance across these events measures 11.73, with a standard deviation of 3.42%.

The market averages nearly a full trading month (19.86 days) of continuous suppression once a streak takes hold, generating highly consistent small-cap yield.

Days 2-5 present a false signal characterized by mean-reverting risk

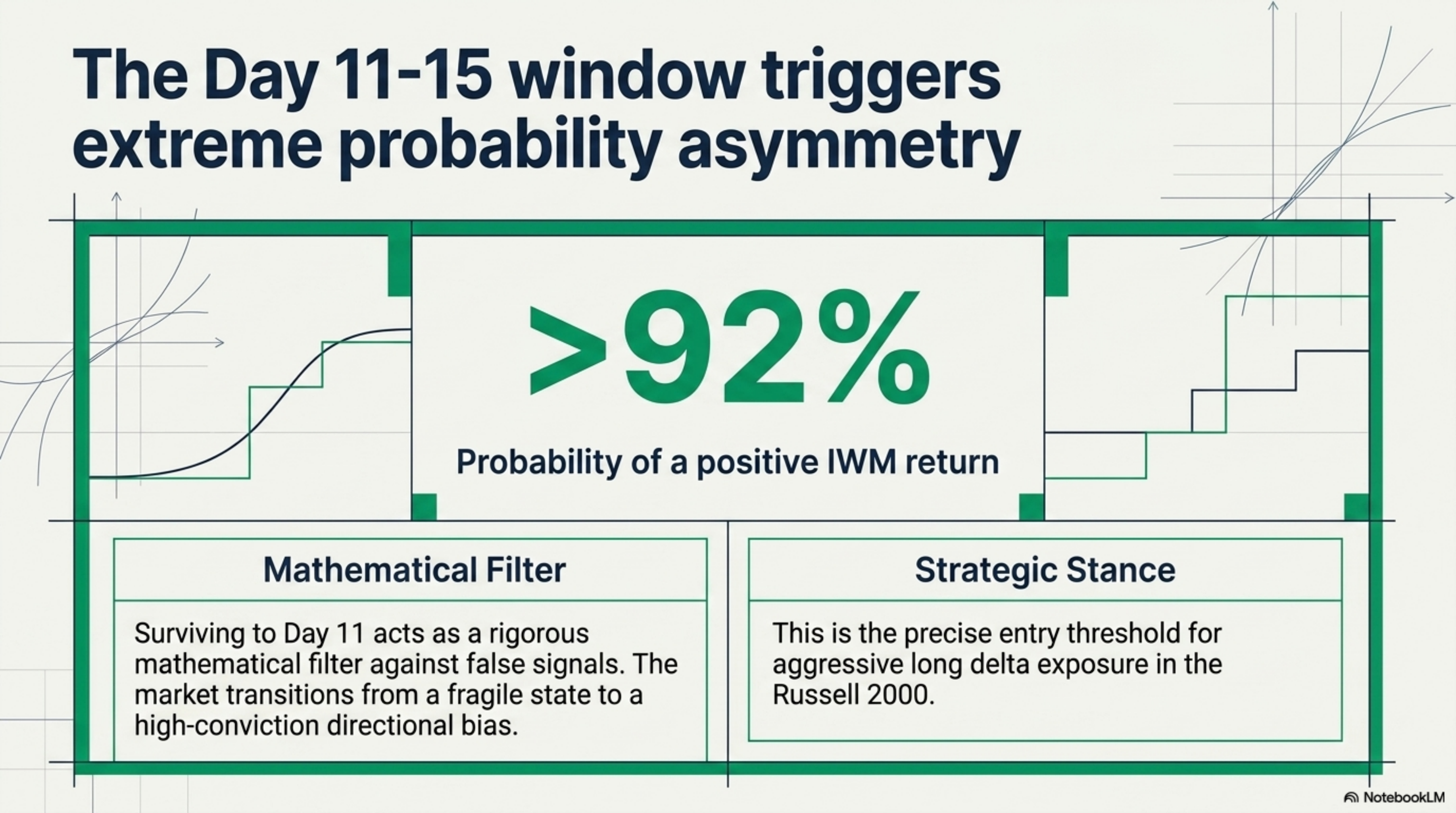


52.5%

Probability of a positive IWM return

The volatility contraction in this window has not yet proven its durability. Capital deployed here faces a coin-flip probability of success due to the high risk of a mean-reverting volatility spike. Early entry is structurally suboptimal.

The Day 11-15 window triggers extreme probability asymmetry



>92%

Probability of a positive IWM return

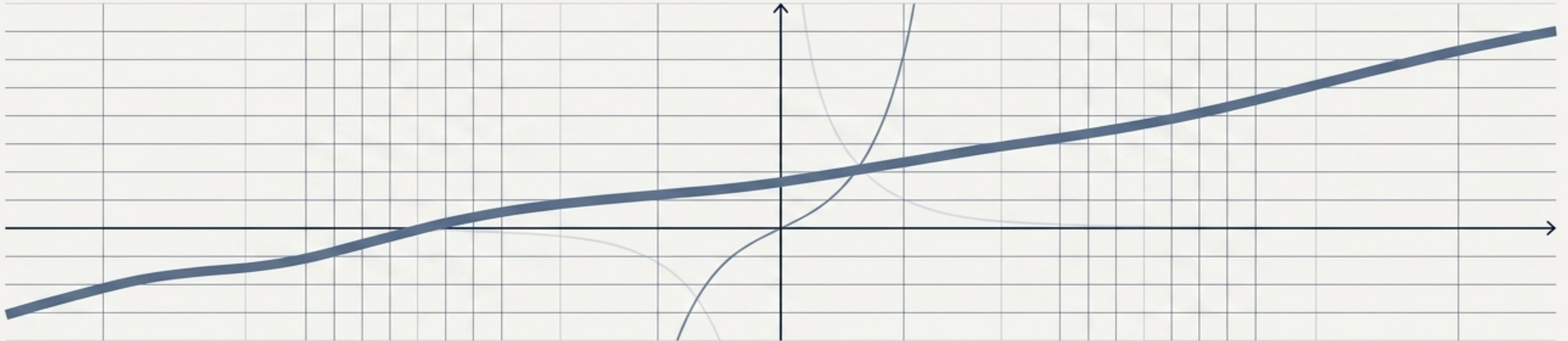
Mathematical Filter

Surviving to Day 11 acts as a rigorous mathematical filter against false signals. The market transitions from a fragile state to a high-conviction directional bias.

Strategic Stance

This is the precise entry threshold for aggressive long delta exposure in the Russell 2000.

Streaks extending beyond three weeks become self-sustaining tailwinds



Timeline

Days 16+ (The Entrenched Regime).

Market Stability

Regimes lasting beyond three weeks maintain exceedingly high probabilities of both continuing the sub-20 RVX state and generating positive IWM returns. The environment is now stable.

Strategic Pivot

Pivot from aggressive entry behavior to trend-riding. The average streak historically resolves around the 19.86-day mark, signaling the window to trail stops.

The AQL Regime Classification Matrix

DURATION (DAYS)	WIN PROBABILITY	MARKET STATE	STRATEGIC ACTION
2-5 Days	52.5%	Fragile / Mean-Reverting	Wait & Observe
11-15 Days	>92%	Crystallized Signal	Deploy Long Delta
16+ Days	High Continuation	Self-Sustaining Trend	Ride & Trail Stops

Structuring the trade around the Day 11 duration threshold

**RVX Closes
< 20 for 11
Consecutive Days**

Equity PMs

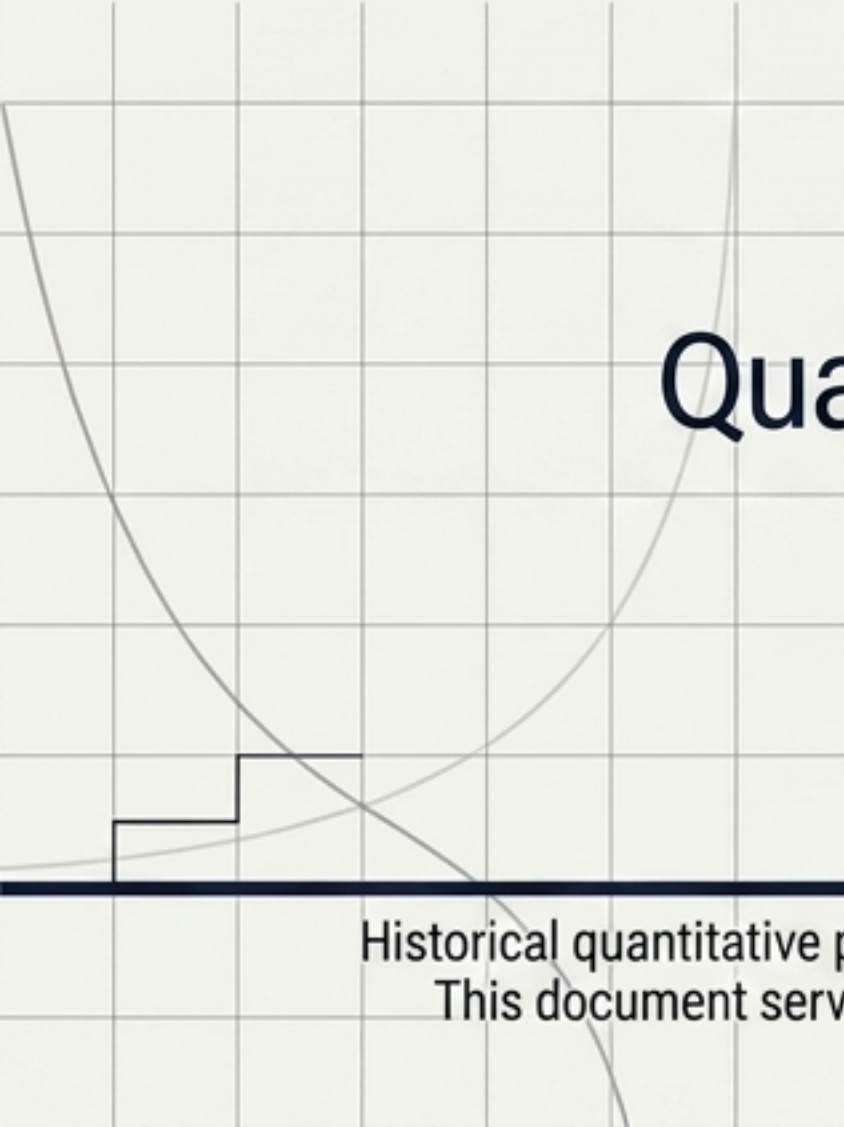
Rotate capital into small-cap exposure (IWM) to capture the 92% historical probability of upside.

Options/Vol Traders

Sell IWM puts or put spreads. The established low-vol regime supports premium collection with minimal risk of aggressive downside expansion.

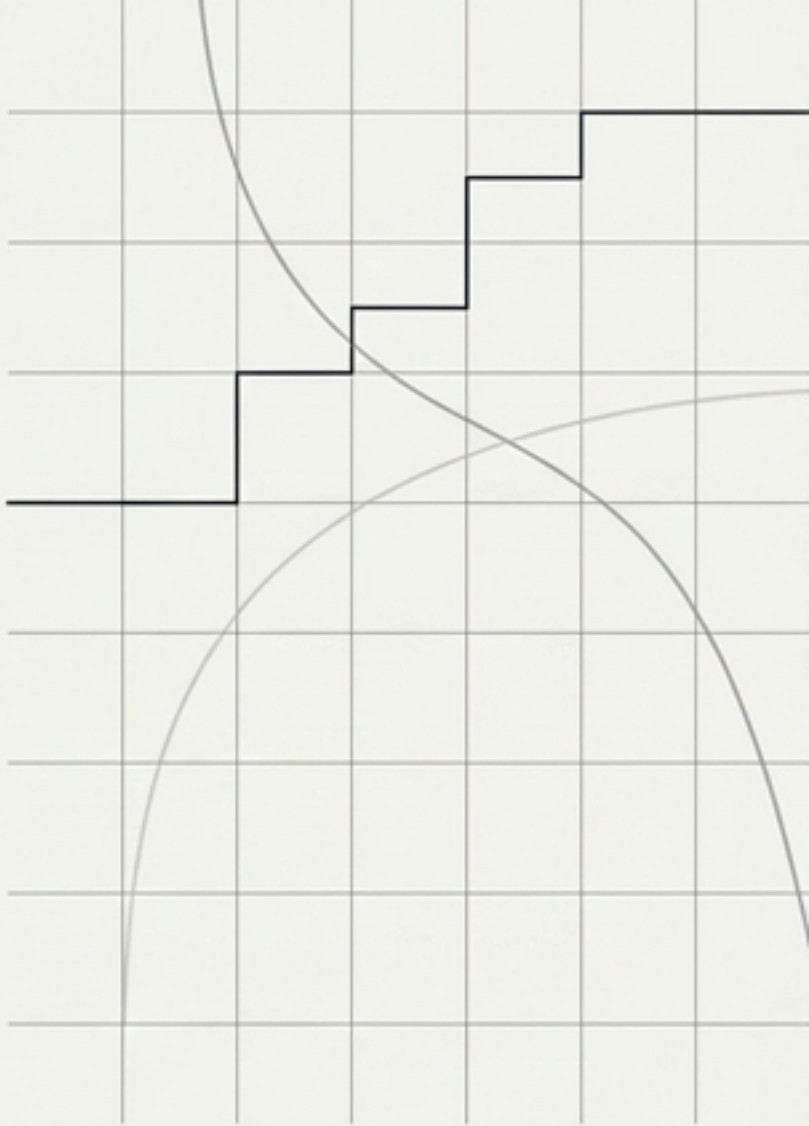
Risk Managers

Expand risk limits on existing long portfolios, as the entrenched regime signals a mathematically safe environment for beta exposure.



Alpha Query Intelligence

Quantitative Research & Systematic Strategy



Historical quantitative probabilities, including the >92% win rate and 19.86 day average streak duration, do not guarantee future performance.
This document serves as a statistical research brief for sophisticated capital allocators and does not constitute direct financial advice.