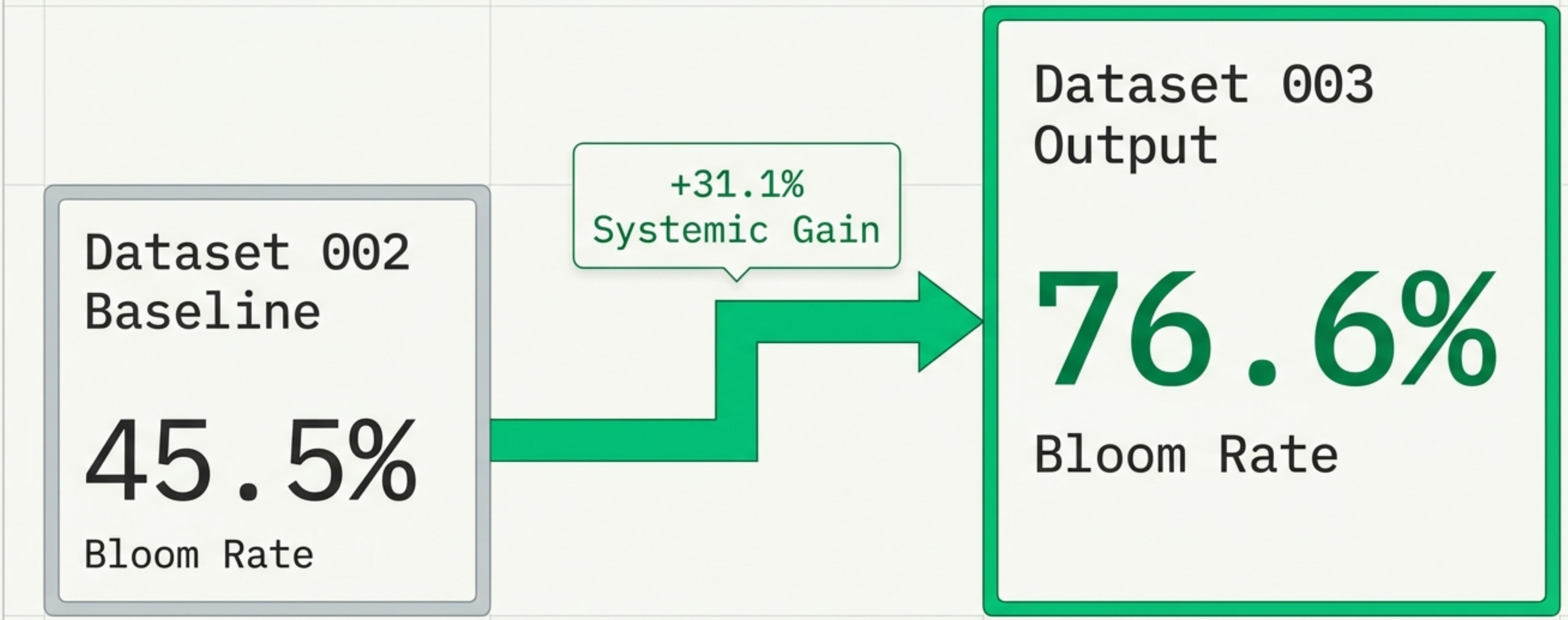
SYSTEM LOG: data/runs.jsonl

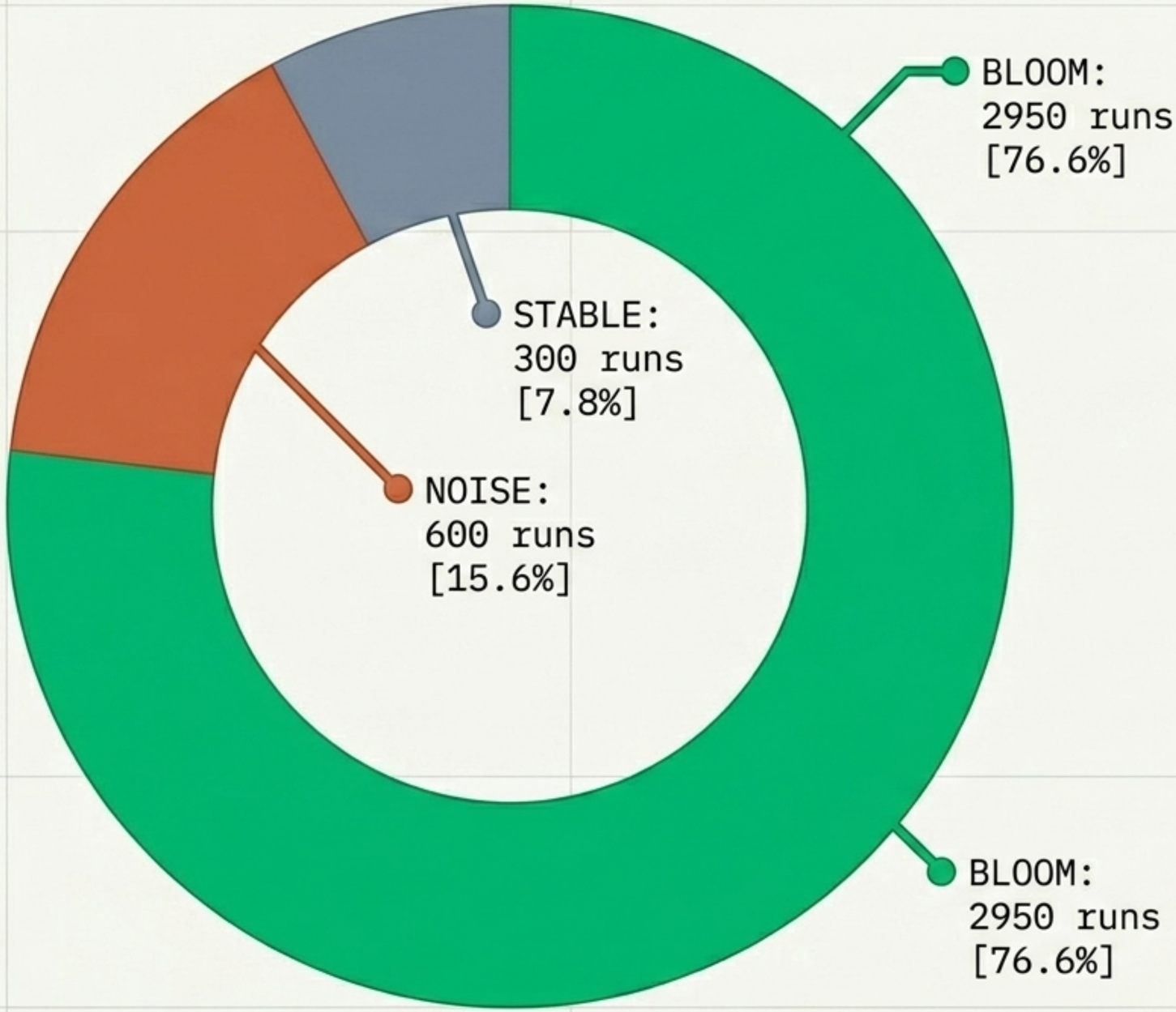
Dataset 003 Technical Evaluation

Performance Summary & Variable Diagnostics

EXECUTION TIME:	7.4s
TOTAL RUNS:	3,850
STATUS:	COMPLETED



Dataset 003 establishes a new performance baseline, prompting a diagnostic breakdown of the friction and grid parameters driving this leap.



Macroscopic Run Outcomes

Macroscopic outcome distributions confirm that instability and noise are contained. Over three-quarters of all runs now achieve full Bloom realization.

The wall_gap Forcing Function

The inclusion of wall_gap in any friction configuration guarantees absolute maximum system metrics, rendering identical results to activating all four friction parameters.

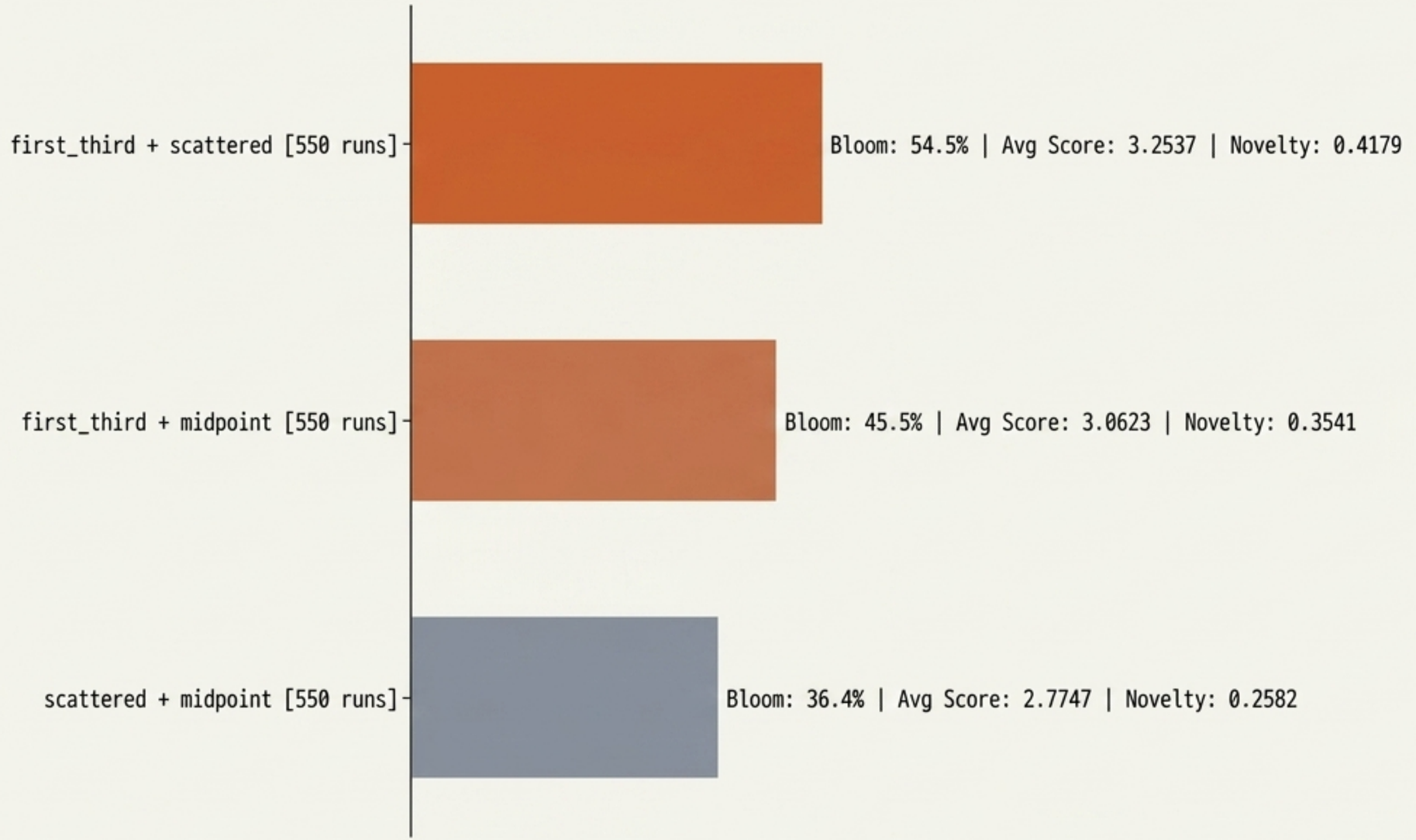
all_four	550 runs
wall_gap + first_third	550 runs
wall_gap + midpoint	550 runs
wall_gap + scattered	550 runs

Maximized Output

Bloom Rate: 100.0%

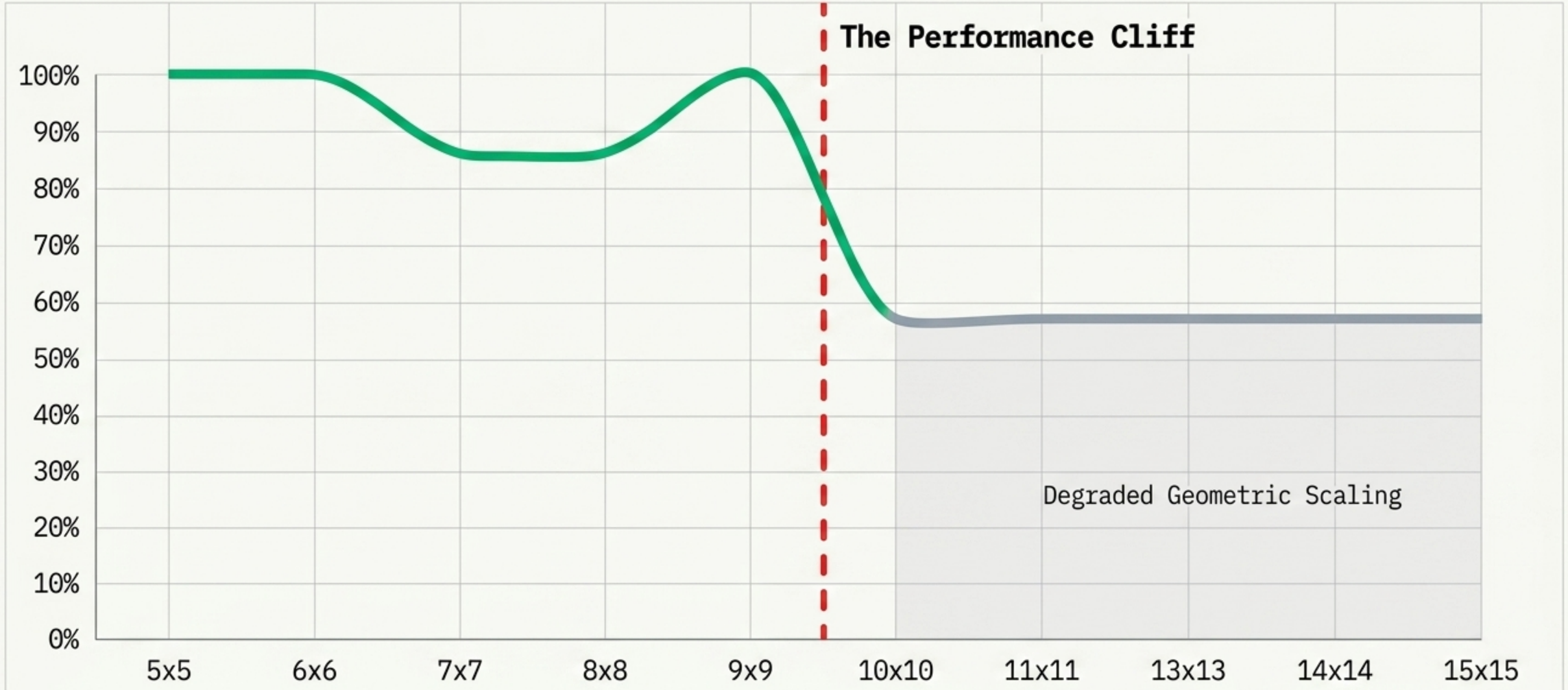
Avg Bloom Score: 3.9181

Avg Novelty: 0.6394

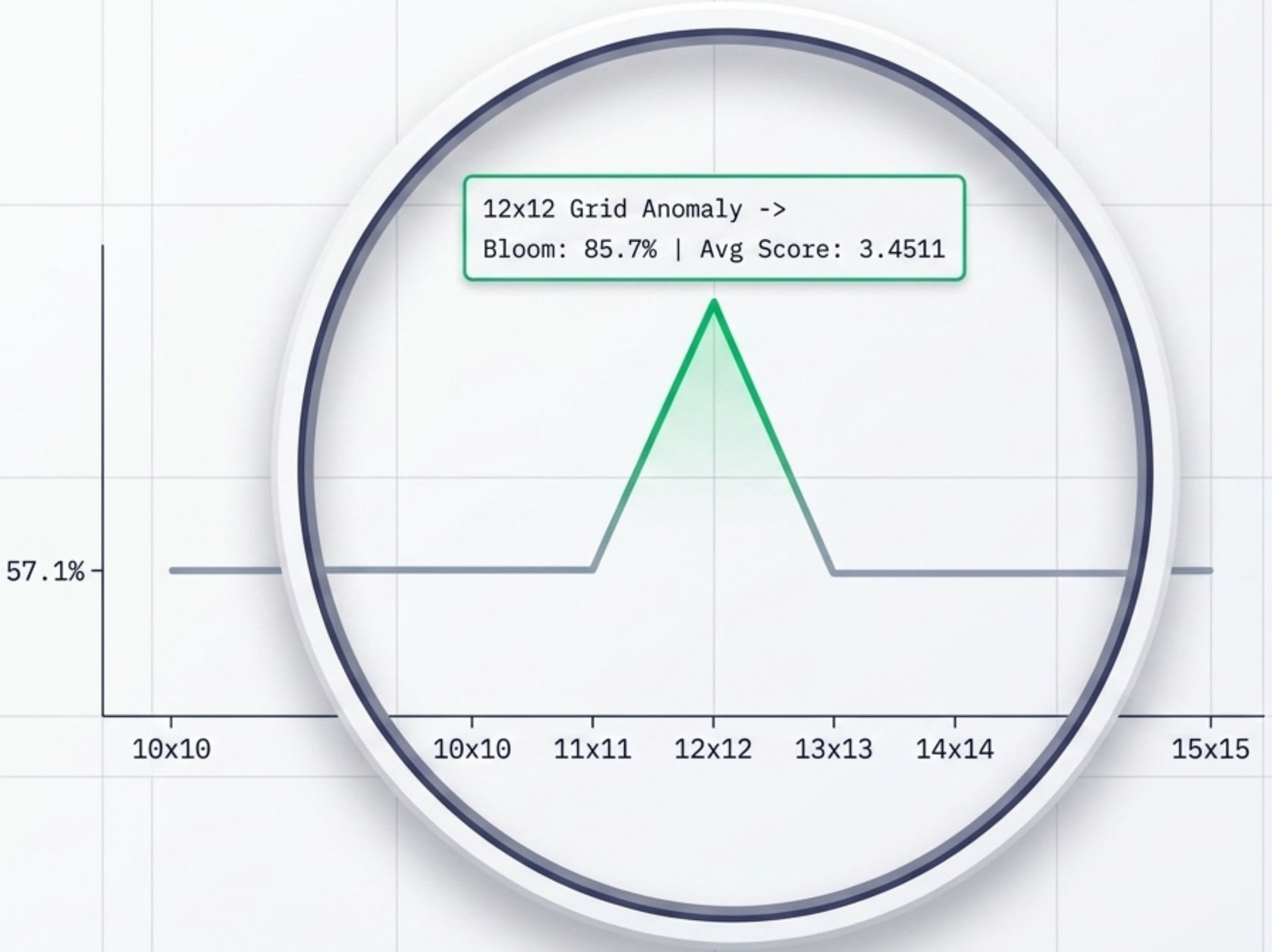


Degraded Configurations

Excluding wall_gap immediately fractures system stability. The scattered + midpoint combination represents the absolute floor of current dataset capabilities, dropping Novelty output to a marginal 0.2582.



System geometry is highly stable up to 9x9 (Avg Scores remaining above 3.4). Pushing into double-digit dimensions triggers an immediate and flatlined penalty, dropping baseline success to 57.1%.



Geometric Resonance at 12x12

Despite the uniform collapse of all other grids larger than 9x9, the 12x12 configuration exhibits unique resonant stability. This algorithmic anomaly warrants immediate isolation and further algorithmic testing.

The Optimal Configuration Protocol. Adhering to these strict parameters effectively eliminates Noise and Stable states, turning Dataset 003 into a fully optimized, predictive engine.