Backtest Analysis Report

1. Strategy Overview

Strategy: 9:30 AM Breakout, 1-minute chart. **Exit Rules:**

1. **Strict Close Inside Range (0%):** If a candle ENTRY closes back inside the Opening Range, CLOSE IMMEDIATELY.
2. **Range Filter:** If Opening Range > 0.25% of price, SKIP TRADE.
3. **Target:** 2.0R (Based on MFE analysis).

2. Multi-Year Robustness Test (2016 - 2025)

We tested the first 100 trades of each year (starting Jan) to verify consistency.

Year	Trades	PnL (Points)	Win Rate	Date Range
2025	100	**+1085.25 pts**	36.0%	Jan 02 - May 30
2024	100	**+157.28 pts**	28.0%	Jan 02 - May 13
2023	100	**+389.54 pts**	38.0%	Jan 05 - May 31
2022	85	**+639.04 pts**	37.6%	Jan 03 - Jul 26
2021	100	**+873.97 pts**	43.0%	Jan 04 - May 24
2020	100	**+749.85 pts**	44.0%	Jan 02 - Jul 21
2019	100	**+90.45 pts**	33.0%	Jan 03 - May 16
2018	100	**-22.31 pts**	30.0%	Jan 02 - May 23
2017	100	**+91.33 pts**	37.0%	Jan 03 - May 22
2016	100	**+363.88 pts**	37.0%	Jan 05 - May 13

Total PnL (1000 Trades): +4,418.28 Points

3. Full Scale Data (2016 - 2025)

We generated detailed datasets for every single trade in the 10-year period (approx 2800 trades per strategy).

Available CSVs:

- **Base Strategy (No Early Exit)**: Base_Strategy_2016_2025.csv
- **Strict Exit (0% Threshold)**: Threshold_0Pct_2016_2025.csv *(Recommended)*
- **Loose Exit (25% Threshold)**: Threshold_25Pct_2016_2025.csv
- **Loose Exit (50% Threshold)**: Threshold_50Pct_2016_2025.csv
- **Loose Exit (75% Threshold)**: Threshold_75Pct_2016_2025.csv

4. Trader's Insights (Deep Dive)

*Based on analysis of 2,761 unfiltered trades using the **Strict Exit (0%) Strategy**.*

A. The "Sweet Spot" (Range Size)

While the strategy is generally profitable, the **highest quality trades** occur when the Opening Range is **Tight (0.10% - 0.18%)**.

- **Micro (<0.10%)**: Solid, but lower volatility (Avg 3 pts/trade).
- **Tight (0.10-0.18%)**: **THE BEST**. Highest PnL density (Avg 5.2 pts/trade).
- **Normal (0.18-0.25%)**: Decent (Avg 3 pts/trade).
- **Wide (>0.25%)**: In the last 10 years (Bull Run), these were actually profitable (Avg 7.4 pts/trade), unlike 2008. *However, they come with much higher risk.*

B. Day of Week Bias

Avoid Fridays.

- **Mon/Tue/Thu**: **Excellent**. (>2700 pts PnL each).
- **Wed**: Mediocre (~990 pts).
- **Fri**: **Weakest** (~640 pts). Consider taking Fridays off.

C. Psychology Check

- **Max Losing Streak**: **16 Trades**.
  - *Reality Check*: Can you handle 3 weeks of straight losses without changing the system? If not, you will miss the recovery.
- **Win Rate**: ~37%. This is a specialized breakout system. You lose often, but small.

D. Volatility Context

In the 2008 crash, "Large Ranges" were toxic. In the 2016-2025 Bull Run, "Large Ranges" (Volatility) were profitable.

- **Recommendation**: Keep the 0.25% filter for SAFETY (protection against crash regimes), but know that in a strong bull market, you might be "filtering out profit."

For the **Live Chart Indicator**, we will include inputs to toggle these filters (Day of Week, Max Range %).