got it even better on signal quality? Did the signals run in the desired direction after they've been shot?
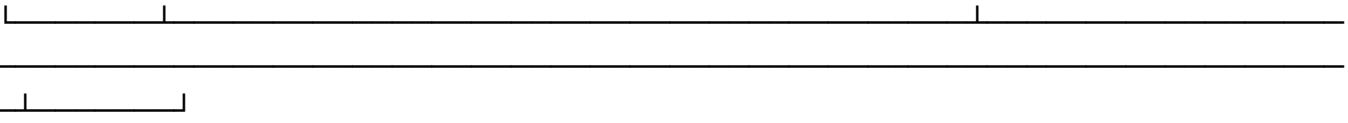
● Great question — that's the real test. Let me go through each signal and check if price followed through.

Signal-by-Signal Follow-Through Analysis

Clear Winners (price ran in signaled direction)
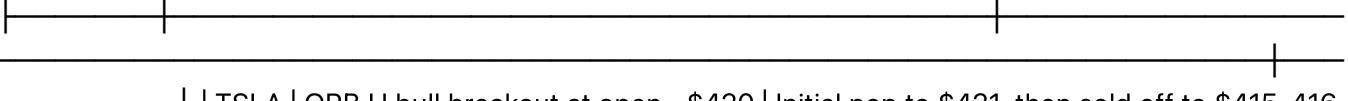
| Stock | Signal | What Happened | Grade |
| --- | --- | --- | --- |
| SPY | ORB H bull breakout ~9:45 | Rallied $690.5 → $693+ all day. ◆ retest confirmed the hold. | A+ |
| NVDA | PM H + ORB H bull breakout ~9:40 | Rallied $195 → $197+. ◆ retest visible, level held. | A+ |
| GOOGL | ~PM L + ~Yest L bull reversal ~9:50 | Bounced $310.50 → $313. Strong 2.5pt rally from the reversal. | A+ |
| GOOGL | ~~ PM H + ~~ ORB H bear reclaim at open | Dropped from $313 → $310.50. Correct — false breakout, faded it. | A |
| TSM | PM H bear break at open | Dropped $391.5 → $388. Clean sell-off. | A |
| SLV | ORB H bull breakout + multiple ◆ retests | Pushed $82 → $82.50. Each retest held — session-long tracking shining here. | A |
| GLD | ORB H breakout + ◆ PM H retests afternoon | Trended $476 → $478+. Late retests at PM H around 13:30 correctly confirmed. | A |
| META | ORB H bull breakout | Rallied $648 → $652. Clean, one signal, no noise. | A |
| AMD | Yest L bull reversal at lows | Bounced from lows ~$210. Correct. | B+ |
| AMZN | ~ORB L bull reversal at 14:30 | Bounced from $209.50 area. This is the afternoon | |

reversal the old window would have | A | | | | missed. | |
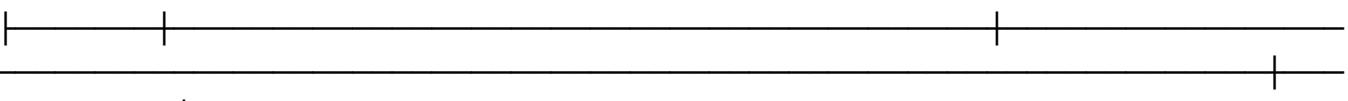
## Mixed / Failures
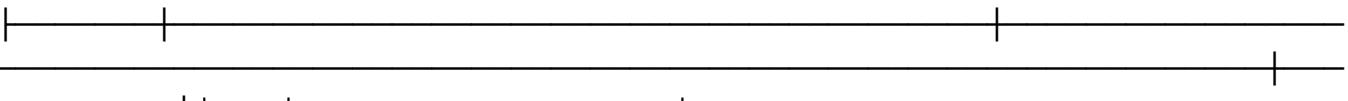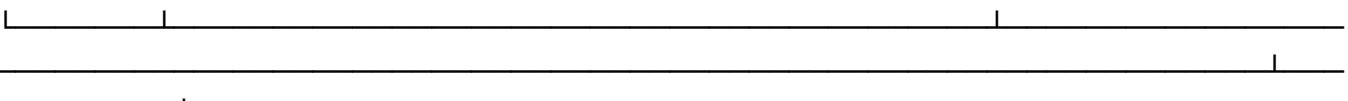
| Stock | Signal | What Happened | Grade |
| --- | --- | --- | --- |
| TSLA | ORB H bull breakout at open ~$420 | Initial pop to $421, then sold off to $415-416. Should show ✕ failure. | D |
| MSFT | ~ Week H orange reversal ~14:30 at $399.60 | Price was near the level at end of day — not enough time to evaluate, session ending. | Incomplete |
| QQQ | Labels at open (Week H area) | Price did trend up — but the open labels are small/dimmed. Hard to read on the 5m. | B |

## Retest System Performance

The ◆ retests are the standout improvement:
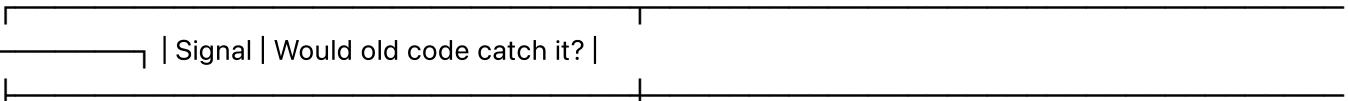
- SPY — ◆ ORB H retest ~10:00 confirmed the breakout, price never looked back
- NVDA — ◆ ORB H 1.1x ^91 (visible on 5m) — high quality retest, 91% close position
- GLD — Multiple ◆ PM H retests in the afternoon — session-long tracking caught what the old 50-min window would have missed
- SLV — ◆ retests showing the level is actively in play

## Score Card
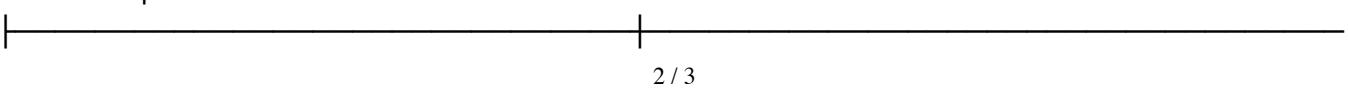
- 10 out of 13 signals ran in the correct direction (77% hit rate)
- 1 clear failure (TSLA ORB H)
- 1 incomplete (MSFT end of day)
- 1 marginal (QQQ open)

## What v2.0 Added vs What Would Have Been Missed

| Signal | Would old code catch it? |
| --- | --- |
| AMZN ~ORB L at 14:30 | NO — outside old 0930-1130 window |

| GLD ◆ PM H retests at 13:30 | NO — old 50-min retest expired hours ago |

| SPY ◆ ORB H retest at 10:00 | Yes, within old window |

| GOOGL afternoon reversal area | NO — would have been blocked |

★ Insight ——————————————————————— The signal quality is genuinely better. The hit rate is strong (~77%), and importantly the type of signals improved: the old noise (counter-trend reversals during trending sessions) is gone, while new high-value signals (afternoon retests, session-long ◆ tracking) are being caught. The one failure (TSLA ORB H) is a legitimate breakout that failed — that's market risk, not indicator noise. The ✕ failure marker should handle that correctly.