

Case Studies

Real signals, analyzed pillar by pillar, to understand how the system reads the market and why it reaches each action — even when the panel seems to contradict what the candle shows.

01Bullish score with price already falling	Score 61/105 · WAIT
02Bearish score with price bouncing	Score 60/105 · WAIT
03Valid signal, then volume stops the alignment peak	Score 87→91/105 · SHORT → WATCH

How to use these cases

Each case starts from a real capture that, at first glance, seems to show the system "wrong" — flagging bullish direction while price falls, or bearish while price rises. The goal of this document is to teach how to correctly read that apparent contradiction.

This document complements the User Manual (which explains the general architecture) with concrete examples of interpretation under real market pressure. Each case always follows the same structure:

1. The capture

The panel as it appeared on the chart at the time, unedited.

2. The pillar breakdown

The five pillars (EMA, RSI, MACD, VWAP, Volume) with their real score and a reading of what each one is seeing at that instant — comparing against the values visible on the panel and in the RSI/MACD subpanels.

3. The filters that acted

Which of the gates (VWAP, Volume, trend, ADX, HTF) ended up blocking or allowing the signal, and why.

4. The underlying reading

What's really happening in the market at that moment, and why the system's final action (almost always WAIT in these edge cases) is the correct response — not a failure.

THE IDEA THAT REPEATS IN BOTH CASES

The direction arrow (^ / v) next to the score is not a prediction or a signal — it only indicates whether the fast EMA is above or below the slow EMA, something that by nature lags behind price. What really matters for deciding is the final action (WAIT / LONG / SHORT) and the BLOCKED reason, which do react in real time to what price is doing right now.

Bullish score with price already falling

NAS100, M15 — the score reads 61/105 with a "A" (bullish) arrow right when price has just lost about 40 points in a few bars. Contradiction, or a filter at work?



Note: this panel capture is from the previous Spanish-language build of the bot; it will be recaptured with the current English panel before final publication.

61/105^AWAIT

VWAP NOT CONFIRMING

HTF BEARISH

The 5 pillars, one by one



24 + 8 + 25 + 0 + 4 = **61/105** — matches the panel exactly

Pillar	What it's seeing
EMA — near max	EMA9 (29515) still above EMA20 (29503) and EMA50 (29490) — the base trend is still technically bullish. A 9-period average on M15 doesn't turn on one or two candles even if price craters; this is normal lag, not a calculation error.
RSI — near zero	Real RSI (subpanel) reads 38, already far from the ideal bullish zone (50–70). The pillar is detecting momentum weakness well before the EMA reacts.
MACD — at max	Still carrying the bullish momentum from the prior move (line above signal, positive histogram) — together with EMA, it's the slowest pillar to react to a sharp turn. By design.
VWAP — at zero	Price (29376.1) is already trading below the session VWAP (29473.6) → zero points and triggers the "VWAP not confirming" filter.
Volume — partial	4/10 — moderate participation, neither strongly confirming nor ruling out the move.

The filters that acted

DOUBLE BLOCK

VWAP blocks because price already lost its session reference. HTF (Hour): Bearish also blocks because it contradicts M15's bullish base. With two active gates, the system never even got to consider Long — the score of 61 only describes how aligned the individual pillars are with each other, not whether there's a green light to trade.

Underlying reading

The "∧" arrow is a leftover from the prior trend, not a buy signal. The faster-reacting pillars (RSI, VWAP) and the two context filters (VWAP, HTF) are already seeing the drop and holding back any signal. The WAIT result with a double block is exactly the conservative response the system is designed to give in this scenario.

Bearish score with price bouncing

Same session, a few candles later. The score reads 60/105 with a "v" (bearish) arrow right as a bullish Marubozu candle appears and price is in full bounce.



Note: this panel capture is from the previous Spanish-language build of the bot; it will be recaptured with the current English panel before final publication.

60/105VWAIT

VWAP NOT CONFIRMING

The 5 pillars, one by one

EMA 25/25	RSI 25/25	MACD 0/25	VWAP 0/15	VOL 10/10
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25 + 25 + 0 + 0 + 10 = **60/105** — matches the panel exactly

Pillar	What it's seeing
EMA — at max (Short)	EMA9 (29462) already crossed below EMA20 (29477) and EMA50 (29480) — the base trend already turned bearish after the prior crash. Here EMA is up to date; what's lagging is short-term price (the bounce just started).
RSI — at max (Short)	Real RSI at 49, within the 30–50 zone the system considers "ideal" for bearish continuation — a normal technical bounce within a still-bearish larger trend, not a reversal.
MACD — at zero	Still positive from the prior rally — doesn't confirm bearish. The panel explicitly flags it: "Pillars at 0: MACD".
VWAP — at zero	Price (29468.0) ended up just <i>above</i> VWAP (29465.9) after the bounce — by a very thin margin, but enough to zero out the pillar and trigger "VWAP not confirming".
Volume — at max	10/10 — the bounce comes with strong participation, exactly the Marubozu candle the panel labels "Candle: Marubozu (Bullish)".

The filter that acted

BLOCKED BY VWAP (NOT BY HTF)

Here HTF (Hour) is aligned with the bearish base, so that gate doesn't intervene. It's VWAP, by a minimal margin (2 index points), that holds back any Short signal — precisely because the bounce managed to reclaim that reference level.

Underlying reading

The "v" arrow correctly reflects the larger trend (already bearish), but price is in the middle of a real bounce, with strong volume and a clearly bullish candle. The system doesn't ignore that: RSI and VWAP are already seeing the bounce, and VWAP manages to block the signal by a very thin margin. Once again, WAIT — neither buying nor selling — is the correct reading in the face of a bearish larger trend with a short-term bounce in progress.

A valid signal... right before volume stops the peak

NAS100, M15 — a two-act case. Here's Act 1: after a sharp drop and a bounce in progress, the system fires a clean SHORT, with no block. The only alert is informational.



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87_{/105}VSHORT

NO BLOCK

EMA	RSI	MACD	VWAP	VOL
24/25	15/25	25/25	15/15	8/10

24 + 15 + 25 + 15 + 8 = 87/105 — matches the panel exactly

THE ONLY ALERT: BULLISH DIVERGENCE (RSI)

ADX 33.4 confirms a strong trend, HTF (Hour) Bearish matches the direction, VWAP and Volume both pass their gates — a technically clean SHORT. But price had already fallen ~400 points and at this moment is bouncing hard (price 29368, well above the recent low of 29175). The "Divergence: Bullish (RSI)" line is the only clue, purely informational, that selling momentum might be running out.

The Volume gate stops the alignment peak

A few candles later, in the same sequence: the bounce extends a bit further and is rejected hard. The score reaches its highest point — and that's exactly where the system cuts it off.



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91/105VWATCH

VOLUME NOT CONFIRMING

EMA	RSI	MACD	VWAP	VOL
25/25	25/25	25/25	15/15	1/10

25 + 25 + 25 + 15 + 1 = 91/105 — matches the panel exactly

91/105 WOULD BE STRONG SHORT — THE GATE DEGRADES IT TO WATCH

The four directional pillars are at or near max: EMA, RSI, MACD, and VWAP all green. With that score, without the Volume gate, this would be Strong Short (90–105). But Volume collapsed to 1/10 → BLOCKED: Volume not confirming → degrades to WATCH. The candle confirms it too: "Engulfing (Bearish) [confluence: EMA9]" — a rejection pattern right at the fast EMA — and "Momentum: Decelerating (bearish)": selling momentum is losing strength even though price keeps making new lows.

The two acts, side by side

	Act 1	Act 2
Score	87/105	91/105 (highest of the sequence)
Action	SHORT (no block)	WATCH (blocked)
Pillar that gives	RSI (15/25) and Volume (8/10) partial	Volume collapses to 1/10
Gate that intervenes	None — all pass	Volume
Informational context	Divergence: Bullish (RSI)	Bearish Engulfing candle + EMA9 confluence, decelerating momentum, same bullish divergence still active

Underlying reading

Act 1 shows that the system can indeed give a green light in the middle of a bounce — when the five pillars and the five gates back it up, even though an informational alert (the divergence) remains unresolved. Act 2 shows the other side: the bounce extended further, got rejected with an Engulfing candle right at EMA9, and at the moment of highest technical alignment in the whole sequence (91/105, one step from Strong Short) volume dried up — and the gate stopped it.

WHY THIS CASE MATTERS

It's not that the system "got it wrong" in Act 1 or "got it right" in Act 2 — there's no way to know without seeing what happened next in price. What this case documents is the mechanism: the gates aren't a bureaucratic obstacle bolted onto the score, they're the reason the system doesn't blindly chase a high score. A 91/105 with no real market participation (Volume 1/10) is, by this design, a less reliable signal than an 87/105 with healthy volume — and the system treats it that way, even though the number is higher.

SYNTHESIS

The pattern behind the three cases

All three cases share the same spirit — the system stops or corrects itself before blindly chasing a partial reading — but they teach two distinct, complementary lessons.

Lesson 1 (Cases 01 and 02) — the arrow isn't the signal

	Case 01	Case 02
Direction arrow	^ Bullish (EMA hasn't turned yet)	v Bearish (EMA already turned)
What price is doing	Falling hard	Bouncing hard
Fastest-reacting pillar	RSI (8/25) and VWAP (0/15)	VWAP (0/15)
Slowest (lagging) pillar	EMA (24/25), MACD (25/25)	MACD (0/25, still positive)
Blocking gate	VWAP + HTF (double)	VWAP (by a minimal margin)
Final action	WAIT in both cases	

The arrow (^ / v) is only the EMA bias, and by design it lags behind price. The fast-reacting pillars (RSI, VWAP) and the context gates (VWAP, HTF) are what really decide whether there's an actionable signal or not.

Lesson 2 (Case 03) — a higher score isn't automatically more reliable

Act 2 of Case 03 (91/105, the highest score of the three cases) ended up just as held back as a WAIT — not because of direction or the larger timeframe, but because Volume didn't back up the apparent strength of the rest of the pillars. It's the clearest proof that the gates aren't a minimum quality floor a high score can "buy off": they act on any score, even one step from Strong Short.

JOINT CONCLUSION

In all three cases, the system had enough information not to chase an incomplete reading — whether because the arrow was lagging (Cases 01–02) or because volume didn't confirm an almost-perfect technical alignment (Case 03). The correct reading habit is always the same: look at the final action and the BLOCKED reason — never the score or the arrow in isolation.

Interpretation note for the trader

When the panel shows an arrow that seems to contradict the candle in front of you, or a score so high it "feels" too good, the right habit is: (1) ignore the arrow as a signal in itself, (2) look at the final action (WAIT / WATCH / LONG / SHORT), and (3) read the BLOCKED reason if there is one — that's where the real explanation of what's holding the system back lives.

Upcoming cases: this will expand with new cases (04+) as situations worth documenting come up.