QUANTVESTOR.AI®

# User manual

Quantvestor Terminal and Quantvestor Charts
Lite and Pro editions · version 1.2

40 functions and 56 studies, each with its capture and explanation.

Information and context: not investment advice. · quantvestor.ai

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# 1. Quantvestor: Terminal and Charts

Quantvestor brings together two Windows programs that share the same data engine and the same chart:

- **Quantvestor Terminal**: a market information desktop in the style of a professional terminal. You drive it with function codes (FED, GEX, ECO, MACRO...) that open panels: news, calendar, curves, central banks, options, heat maps, company earnings, artificial intelligence and the chart.
- **Quantvestor Charts**: the charting platform, with candles in any interval, several charts per screen, more than fifty studies (including our own VERA and GTI), drawings, alerts, scanner, monitor and forecasts on the chart.

The Terminal's chart (function GP) is the Charts chart: everything this manual says about studies applies to both programs. Each comes in two editions, Lite and Pro, which differ in where the data comes from.




Terminal Lite: the function bar at the top; on the desktop, a chart and the economic calendar.

> Quantvestor is an information and context tool. Nothing it shows is investment advice or an offer.

# 2. Lite and Pro editions

| | Lite | Pro |
|---|---|---|
| **Market data** | Free public sources: Yahoo Finance (delayed), Banco de la República's SEN for TES, SET-FX (Grupo Aval and SET-ICAP) for USD/COP, FRED, BanRep and DANE. | Bloomberg for prices, from the Bloomberg Terminal running on the same computer with your session open. Anything available for free (Fed, FRED, DANE, BanRep, company earnings...) comes from the public source, as in the Lite, so as not to use up Bloomberg's download limit. |
| **Your own connections** | You can add your own sources (TradeStation, MultiCharts, OANDA, Capital.com, e-bvc): your credentials, data kept on your computer. | Not applicable: prices come from Bloomberg. |
| **Real time** | Delayed in general. You can connect a real-time source of your own (broker or platform) from the Connections button. | Depends on your Bloomberg license: some futures and stocks arrive delayed. |
| **Pro only** | — | Analyst consensus in ECFC and TASA, IBR swaps, dollar bonds in GC, ETF flows for the whole universe, the MGC synthetic and the USD/COP risk reversal. |
| **Same in both** | News, calendar, Fed, GEX (Cboe), macro, geopolitics, earnings, factors, AI, studies and alerts. | |
| **Requirements** | 64-bit Windows 10 or 11 and internet. | The same, plus the Bloomberg Terminal. |

Functions and studies are the same on all four platforms. When an edition changes what a function shows, its page says so under "Data" or "Limits".

## Indicator license

Our own studies (VERA family, GTI, support and resistance, options, USD/COP and order flow) are delivered separately, encrypted, with a personal license. Install them from the study browser with `License…` and `Import .vind…`. Each study page says whether it is included or needs the license.

## Artificial intelligence

ASKQ, CMTE and the Fed read use an AI that runs on your own computer (Ollama), without sending your data anywhere. It needs about 8 GB of RAM and 8 GB of free disk, and downloads itself the first time. If you prefer, you can use Claude with your own key from Connections › AI.

# 3. How to use the Terminal and Charts

The essentials for getting around both platforms, at a glance. Captures are from Terminal Lite and Charts Lite.

## Command line

Type at any time (or press `Ctrl+K`) the ticker and the function, then Enter: `AAPL DES`, `ECOPETL CB GP`, or just the function: `FED`. It also searches by name (apple, dollar, gold). F2 to F11 add the suffix (F8 Equity, F10 Index, F11 Curncy). `GO` runs it and `CANCEL` closes whatever is open.




## MENU and LAST

`MENU` opens the numbered list of all functions; `LAST`, the ones you used last.



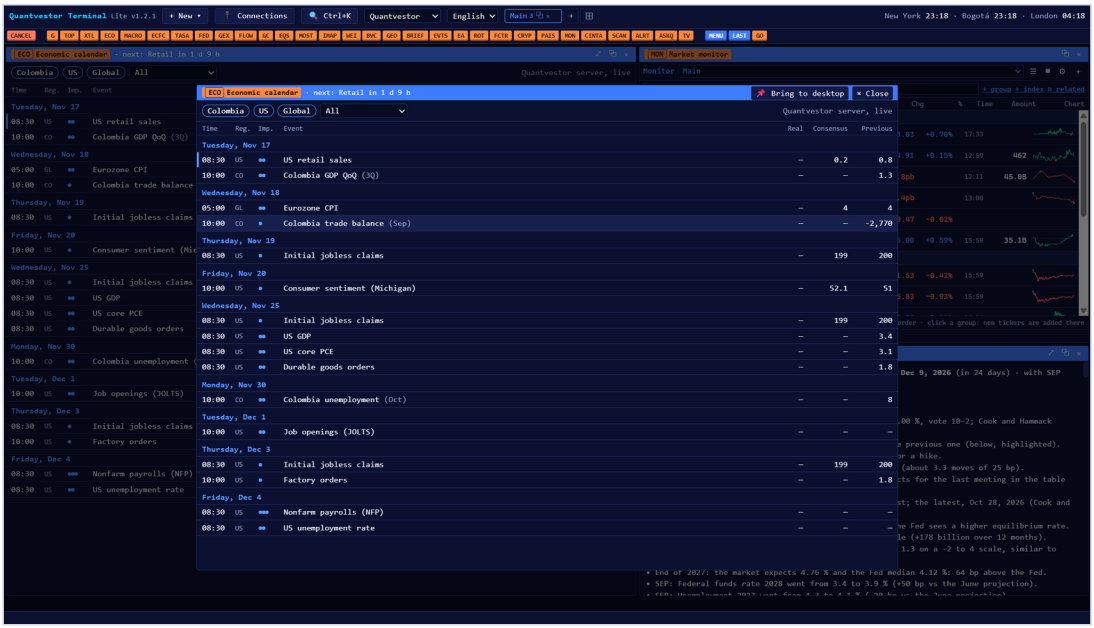
## Right-click on a ticker

In any panel, right-clicking a ticker opens its functions (summary, chart, prices, description, news…), "Add related" and "Export this panel to .txt".




## Open and pin panels

Each function opens in a pop-up window. `📌 Bring to desktop` keeps it as a panel; `× Close` dismisses it. The `+ New` menu lists panels by topic.



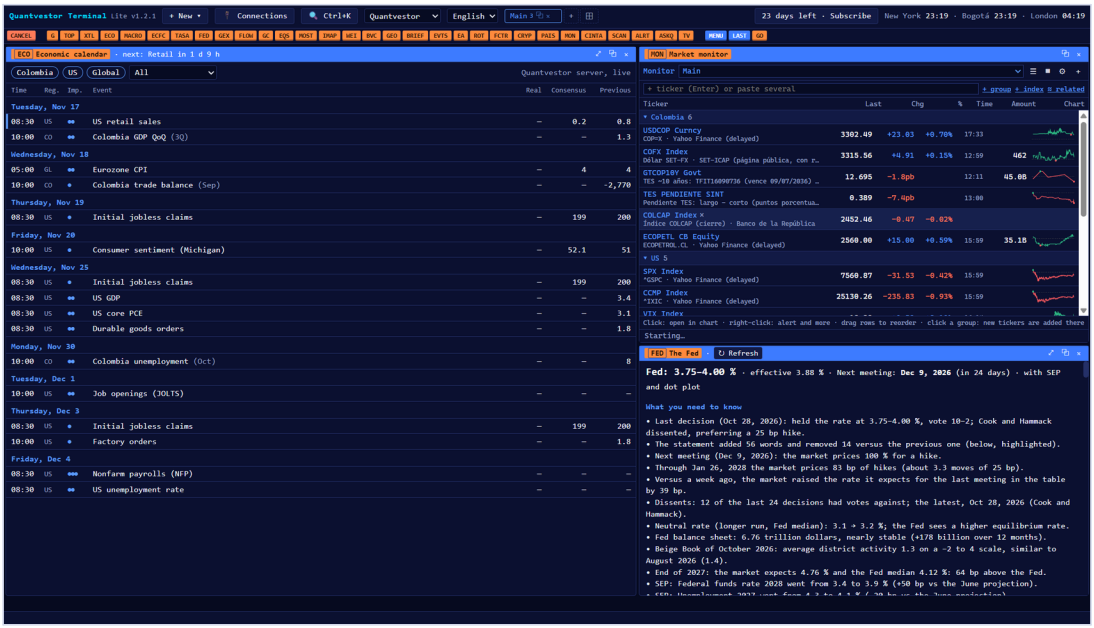
## The + New menu

Every panel, grouped: chart, calendar, curves, TV, scanner, news, maps…



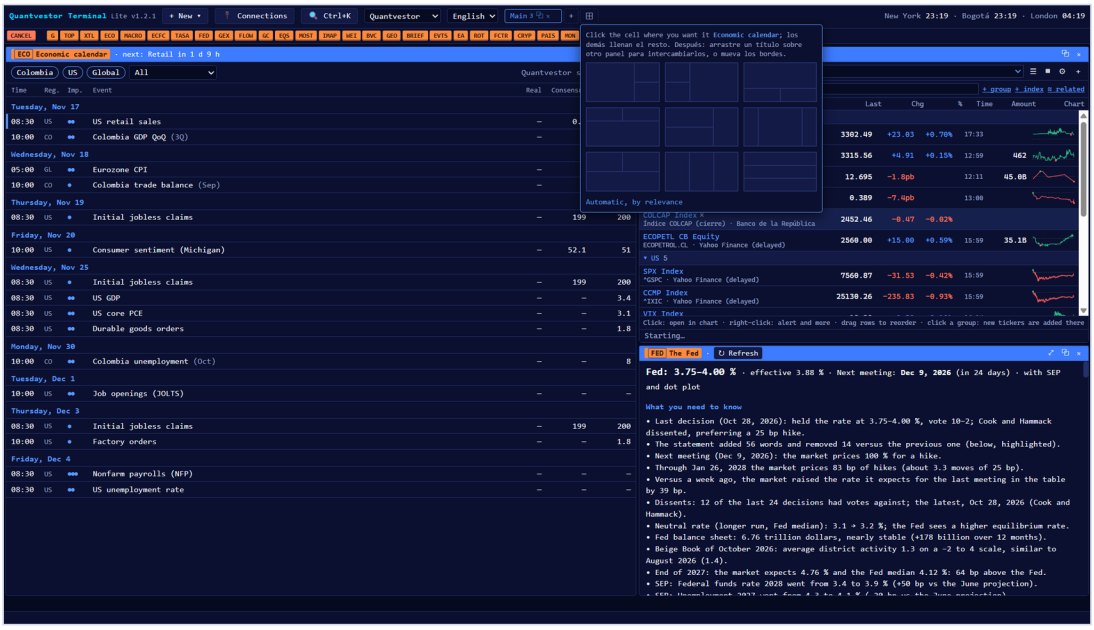
## Move, maximize and send to another monitor

Drag a panel's title onto another to swap them, and drag the border between two panels to resize. On each panel's bar: ⤢ maximizes (or double-click the title; Esc goes back), ⧉ pops it out into its own window that you can move to another monitor, and × closes it.



## Desktops and layout

The tabs at the top are your desktops ("Main", "Desktop 2"…): + creates one, double-click renames it. ⊞ arranges the panels: large on the left or right, two large, grid, columns, rows, or automatic by relevance.



## Saved automatically

Desktops, panels, sizes and settings are saved as you go, with no button. Window positions are saved on close and restored on the next start. In Charts, workspaces (tabs) work the same way.

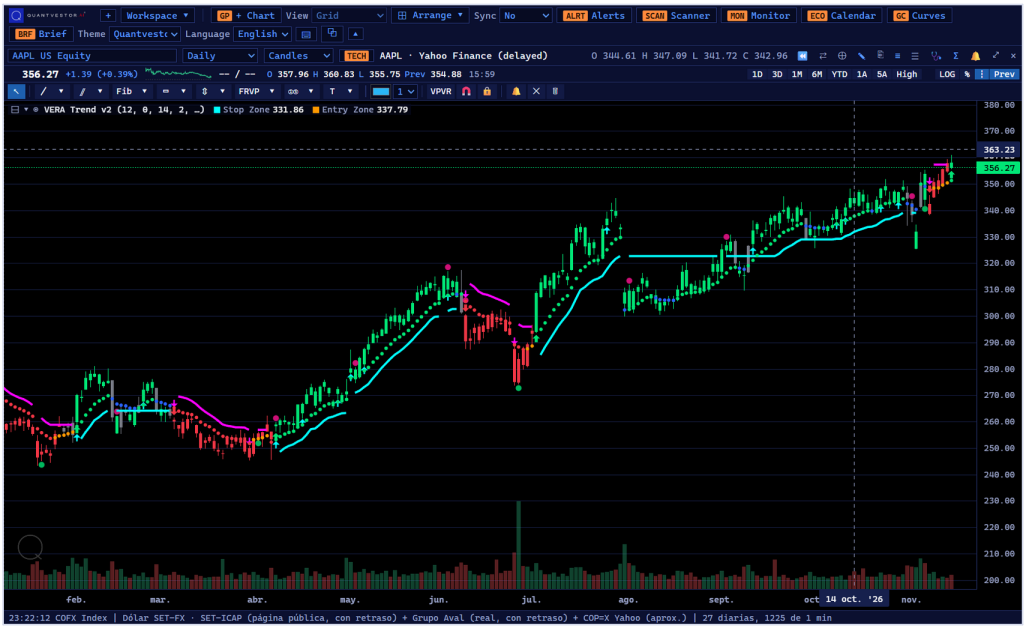
## Chart: related securities

⊕ on the chart bar adds related securities (up to 3): studies are computed on them too and the chart marks when the majority turns.



## Chart: draw and delete

✎ opens the tools (lines, Fibonacci, channels, text…). To delete a drawing, select it and press Delete (or right-click › Delete drawing); 🗑 deletes all of the ticker's drawings (press it twice).



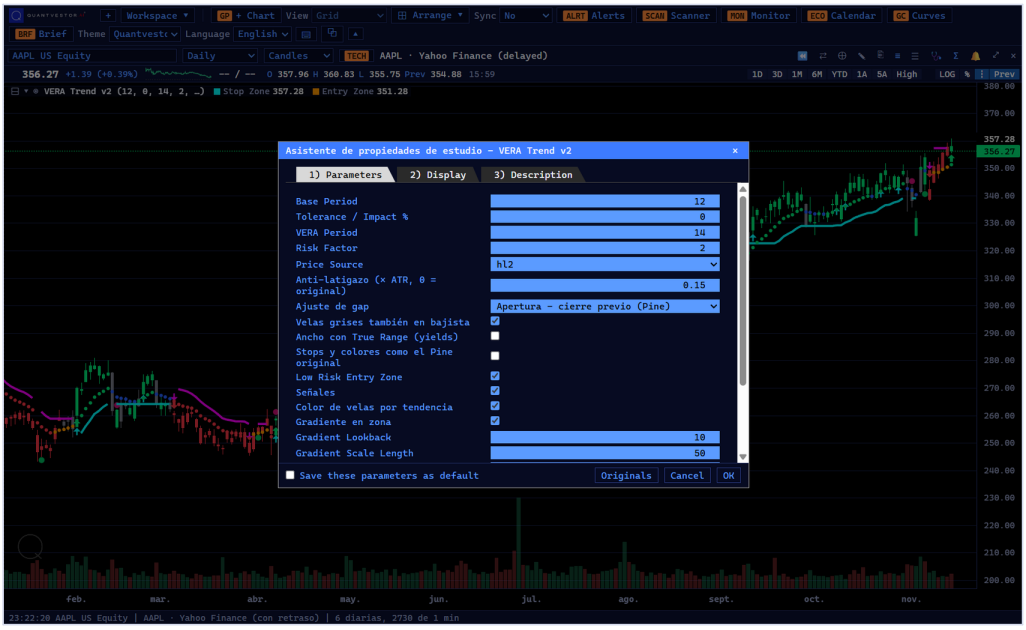

## Chart: add studies

TECH opens the study browser: categories on the left, description below and the chart's studies on the right. Double-click to add.



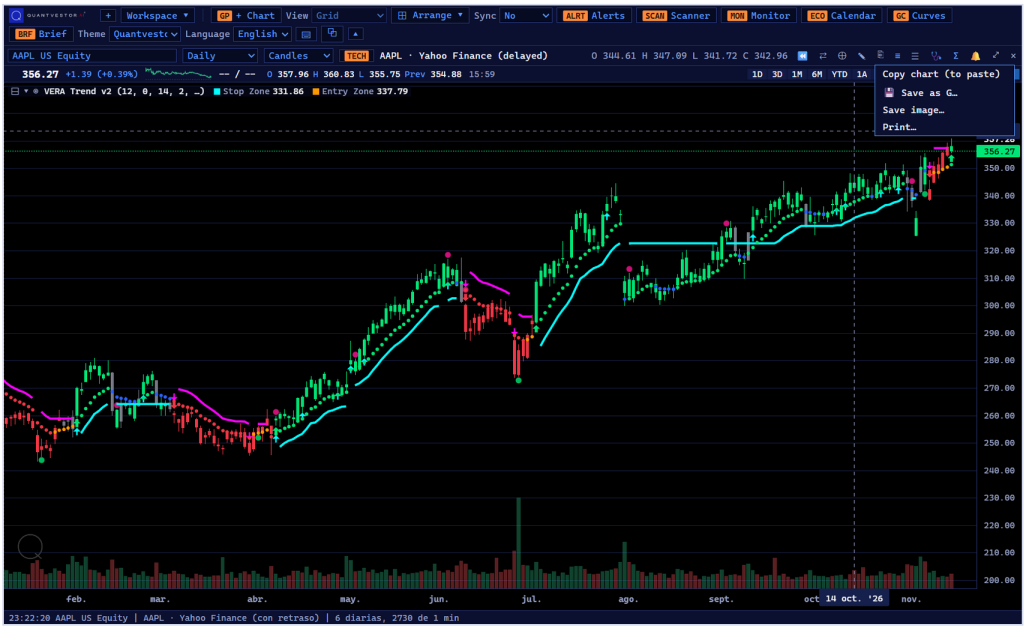
## Chart: adjust and save as default

Double-click a study to open its properties: parameters (including the interval it is computed on), colors and description. "Save these parameters as default" keeps them for next time.



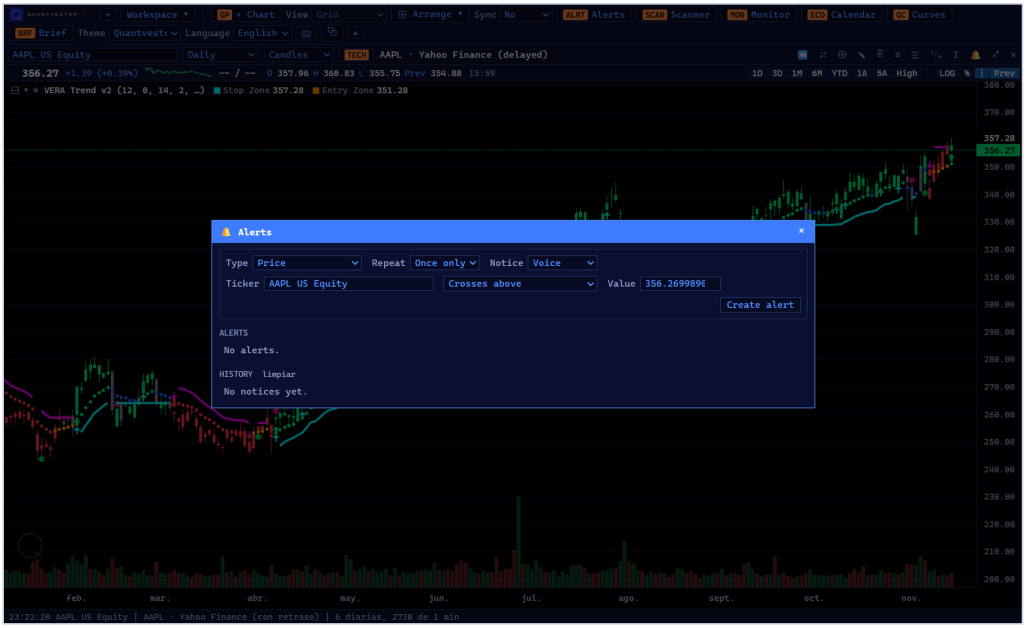

## Save charts: G1, G2…

› Save as G… saves the whole chart (tickers, studies, lower panel and drawings) under a number. Type G5 to open number 5; the G function lists them. In the Terminal, the chart window has Save as G.



## Alerts

ALRT (or the chart's bell) creates price or study-signal alerts, once or every time, with voice or beep.




## Sync charts

In Charts, Sync links the charts in the tab: "Cursor" shows the same moment on all of them and "All" also scrolls and zooms them together (Alt+K). It does not change the other charts' tickers.



## Language and theme

The selectors at the top switch the language (Spanish or English) and the color theme; they apply instantly.

## Connections (Lite)

`Connections` adds your own real-time sources (broker or platform), TradingView news and the artificial intelligence (Ollama on your computer or Claude with your key). In the Pro it only offers AI and news.

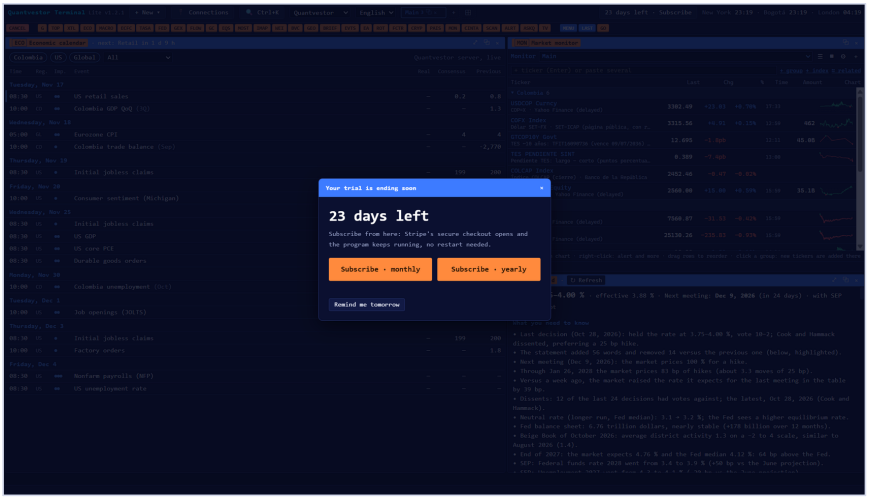



## Ticker and monitor

`MON` is your live price list; `CINTA` scrolls it in a thin bar that stays on top of other windows. Both have their own page later on.

## Subscription

The remaining trial days appear at the top right ("N days left · Subscribe"); clicking lets you choose the plan in Stripe's secure checkout. Once subscribed, the same button reads "Manage subscription" (plan, card and invoices). In Charts, via the logo › About. The capture uses a sample state.




The captures on the following pages are real: Terminal Lite and Charts Lite with data from November 15, 2026 and the default Quantvestor palette. Political headlines were hidden in the news panels.

# 4. Terminal functions

Each page has the function's capture, what it is for, how to read it, where the data comes from and its limits. They are grouped by topic.

| Code | Function |
|---|---|
| **GP** | Chart |
| **HP** | Historical prices |
| **TECH** | Technical studies |
| **RES** | Security summary |
| **DES** | Company description |
| **CN** | Company news |
| **ERN** | Earnings history |
| **OMON** | Option chain |
| **CMTE** | AI analysis committee |
| **TOP** | Top news |
| **XTL** | X accounts |
| **BRIEF** | Morning briefing |
| **TV** | Live TV |
| **ASKQ** | Ask Quantvestor (AI) |
| **ECO** | Economic calendar |
| **MACRO** | Macro data |
| **ECFC** | Economic forecasts by country |
| **TASA** | Policy rates |
| **FED** | The Fed |
| **GC** | Yield curves |
| **PAIS** | Country panel |
| **GEO** | Country risk and statistics |
| **MON** | Market monitor |
| **CINTA** | Price ticker |
| **WEI** | World indices |
| **IMAP** | Heat map |
| **BVC** | Colombian stocks |
| **MOST** | Most active |
| **EQS** | Stock screener |
| **FLOW** | ETF flows |

| Code | Function |
|---|---|
| **ROT** | Sector rotation |
| **CRYP** | Crypto in real time |
| **GEX** | Options GEX |
| **EVTS** | Earnings calendar |
| **EA** | Earnings season |
| **FCTR** | Factor lab |
| **G** | Saved charts |
| **ALRT** | Alerts |
| **SCAN** | Signal and forecast scanner |
| **DSR** | Strategy validator |

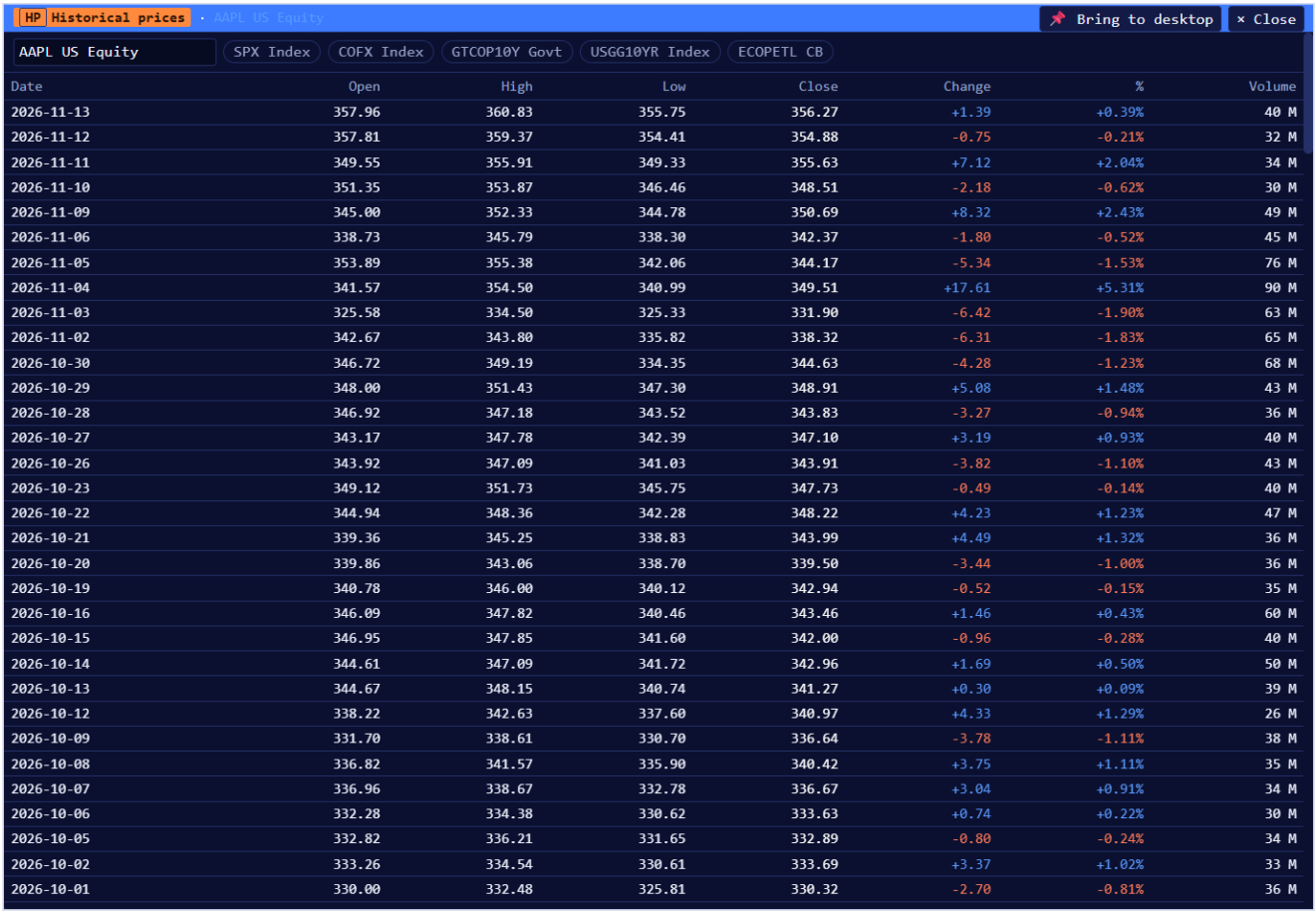
# GP Chart




GP on AAPL US Equity.

| | |
|---|---|
| WHAT IT IS FOR | Opens the full Quantvestor Charts chart inside the Terminal: candles, bars or line in any interval, with studies, drawings, comparisons and alerts. |
| HOW TO READ IT | Time runs along the bottom and price on the right. The quote strip shows last price, daily change, open, high, low and previous close. Everything on the chart (studies, alerts, save as G) is handled from its own toolbar; the second half of this manual covers it in detail. |
| DATA | Lite: Yahoo Finance (delayed) for stocks, indices and currencies; Banco de la República's SEN for Colombian TES; SET-FX (Grupo Aval and SET-ICAP) for USD/COP. If you connect a source of your own (your broker, for example), it takes priority. Pro: Bloomberg. |
| LIMITS | In the Lite prices refresh by polling once a minute, not tick by tick. The first time you open a ticker it takes a few seconds to download its history. |

# HP Historical prices




| Date | Open | High | Low | Close | Change | % | Volume |
|---|---|---|---|---|---|---|---|
| 2026-11-13 | 357.96 | 360.83 | 355.75 | 356.27 | +1.39 | +0.39% | 40 M |
| 2026-11-12 | 357.81 | 359.37 | 354.41 | 354.88 | -0.75 | -0.21% | 32 M |
| 2026-11-11 | 349.55 | 355.91 | 349.33 | 355.63 | +7.12 | +2.04% | 34 M |
| 2026-11-10 | 351.35 | 353.87 | 346.46 | 348.51 | -2.18 | -0.62% | 30 M |
| 2026-11-09 | 345.00 | 352.33 | 344.78 | 350.69 | +8.32 | +2.43% | 49 M |
| 2026-11-06 | 338.73 | 345.79 | 338.30 | 342.37 | -1.80 | -0.52% | 45 M |
| 2026-11-05 | 353.89 | 355.38 | 342.06 | 344.17 | -5.34 | -1.53% | 76 M |
| 2026-11-04 | 341.57 | 354.50 | 340.99 | 349.51 | +17.61 | +5.31% | 90 M |
| 2026-11-03 | 325.58 | 334.50 | 325.33 | 331.90 | -6.42 | -1.90% | 63 M |
| 2026-11-02 | 342.67 | 343.80 | 335.82 | 338.32 | -6.31 | -1.83% | 65 M |
| 2026-10-30 | 346.72 | 349.19 | 334.35 | 344.63 | -4.28 | -1.23% | 68 M |
| 2026-10-29 | 348.00 | 351.43 | 347.30 | 348.91 | +5.08 | +1.48% | 43 M |
| 2026-10-28 | 346.92 | 347.18 | 343.52 | 343.83 | -3.27 | -0.94% | 36 M |
| 2026-10-27 | 343.17 | 347.78 | 342.39 | 347.10 | +3.19 | +0.93% | 40 M |
| 2026-10-26 | 343.92 | 347.09 | 341.03 | 343.91 | -3.82 | -1.10% | 43 M |
| 2026-10-23 | 349.12 | 351.73 | 345.75 | 347.73 | -0.49 | -0.14% | 40 M |
| 2026-10-22 | 344.94 | 348.36 | 342.28 | 348.22 | +4.23 | +1.23% | 47 M |
| 2026-10-21 | 339.36 | 345.25 | 338.83 | 343.99 | +4.49 | +1.32% | 36 M |
| 2026-10-20 | 339.86 | 343.06 | 338.70 | 339.50 | -3.44 | -1.00% | 36 M |
| 2026-10-19 | 340.78 | 346.00 | 340.12 | 342.94 | -0.52 | -0.15% | 35 M |
| 2026-10-16 | 346.09 | 347.82 | 340.46 | 343.46 | +1.46 | +0.43% | 60 M |
| 2026-10-15 | 346.95 | 347.85 | 341.60 | 342.00 | -0.96 | -0.28% | 40 M |
| 2026-10-14 | 344.61 | 347.09 | 341.72 | 342.96 | +1.69 | +0.50% | 50 M |
| 2026-10-13 | 344.67 | 348.15 | 340.74 | 341.27 | +0.30 | +0.09% | 39 M |
| 2026-10-12 | 338.22 | 342.63 | 337.60 | 340.97 | +4.33 | +1.29% | 26 M |
| 2026-10-09 | 331.70 | 338.61 | 330.70 | 336.64 | -3.78 | -1.11% | 38 M |
| 2026-10-08 | 336.82 | 341.57 | 335.90 | 340.42 | +3.75 | +1.11% | 35 M |
| 2026-10-07 | 336.96 | 338.67 | 332.78 | 336.67 | +3.04 | +0.91% | 34 M |
| 2026-10-06 | 332.28 | 334.38 | 330.62 | 333.63 | +0.74 | +0.22% | 30 M |
| 2026-10-05 | 332.82 | 336.21 | 331.65 | 332.89 | -0.80 | -0.24% | 34 M |
| 2026-10-02 | 333.26 | 334.54 | 330.61 | 333.69 | +3.37 | +1.02% | 33 M |
| 2026-10-01 | 330.00 | 332.48 | 325.81 | 330.32 | -2.70 | -0.81% | 36 M |

HP on AAPL US Equity.

| | |
|---|---|
| WHAT IT IS FOR | A daily table of the security, to check or copy closes without opening a chart. |
| HOW TO READ IT | One row per day with open, high, low, close, change, % change and volume (last 250 days). For bonds and yields the change is in basis points. |
| DATA | The platform's local database: filled from public sources in the Lite and from Bloomberg in the Pro. |
| LIMITS | The first time you request a new ticker you may see a notice while its history downloads; it retries on its own. |

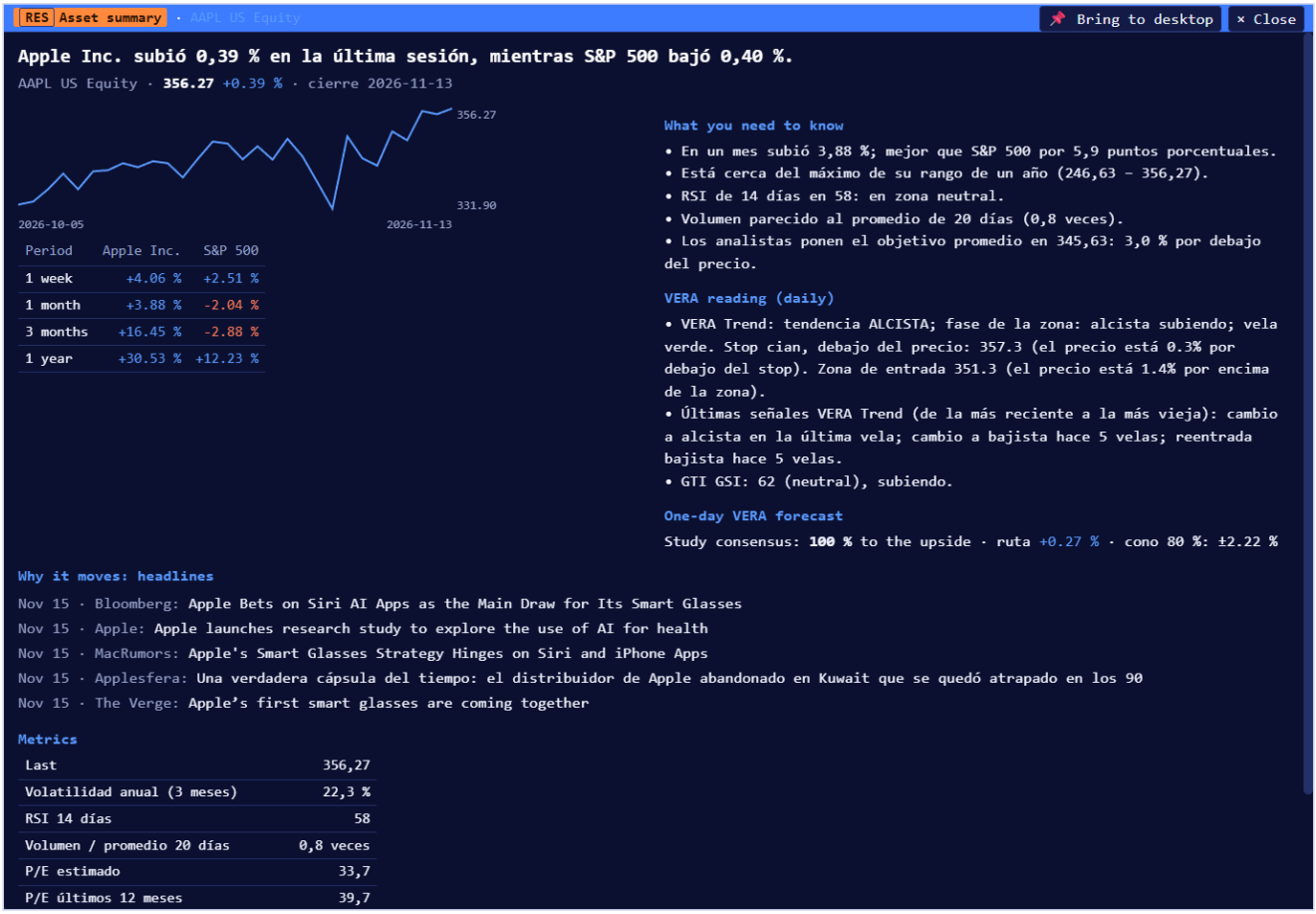
# TECH Technical studies




TECH on AAPL US Equity.

| | |
|---|---|
| WHAT IT IS FOR | A shortcut that opens a security's chart straight into the study browser. |
| HOW TO READ IT | Categories on the left (Popular, VERA, GTI, Moving averages, Momentum, Volume, Options, Forecasts…), studies with their description in the middle, and the ones already on the chart on the right. Double-click to add. |
| DATA | Studies are computed on your computer from the chart's bars. |
| LIMITS | VERA and GTI studies need the indicator license. Order-flow studies need the trades connection (see the studies section). |

# RES Security summary




RES on AAPL US Equity.

| | |
|---|---|
| WHAT IT IS FOR | One page with the essentials of a security: what happened today, why it is moving, its key metrics and the short-term forecast. |
| HOW TO READ IT | A headline with price, change and sparkline at the top. Then returns by period against its benchmark, "What you need to know", the daily VERA reading and the one-day forecast cone. Headlines, metrics and upcoming events at the bottom. It is rule-based, with no AI. |
| DATA | Prices from the local database, the Yahoo Finance profile (for stocks), the Quantvestor news server and the economic calendar. |
| LIMITS | If a section does not respond in time it is simply left out. The forecast is context, not a recommendation. |

# DES Company description




DES on AAPL US Equity.

| | |
|---|---|
| WHAT IT IS FOR | A stock's fundamental profile: what the company does, what it is worth and what analysts expect. |
| HOW TO READ IT | Cards with market cap, P/E (trailing and forward), EPS, price/book, dividend, beta, 52-week range, margins, ROE and growth, plus the analysts' target and its upside. Tabs for financial statements, analysts, and insiders and holders. |
| DATA | Yahoo Finance (same in Lite and Pro). Colombian stocks use their BVC ticker. |
| LIMITS | Stocks only. If Yahoo has no statements or analyst data for a company, the panel says so. |

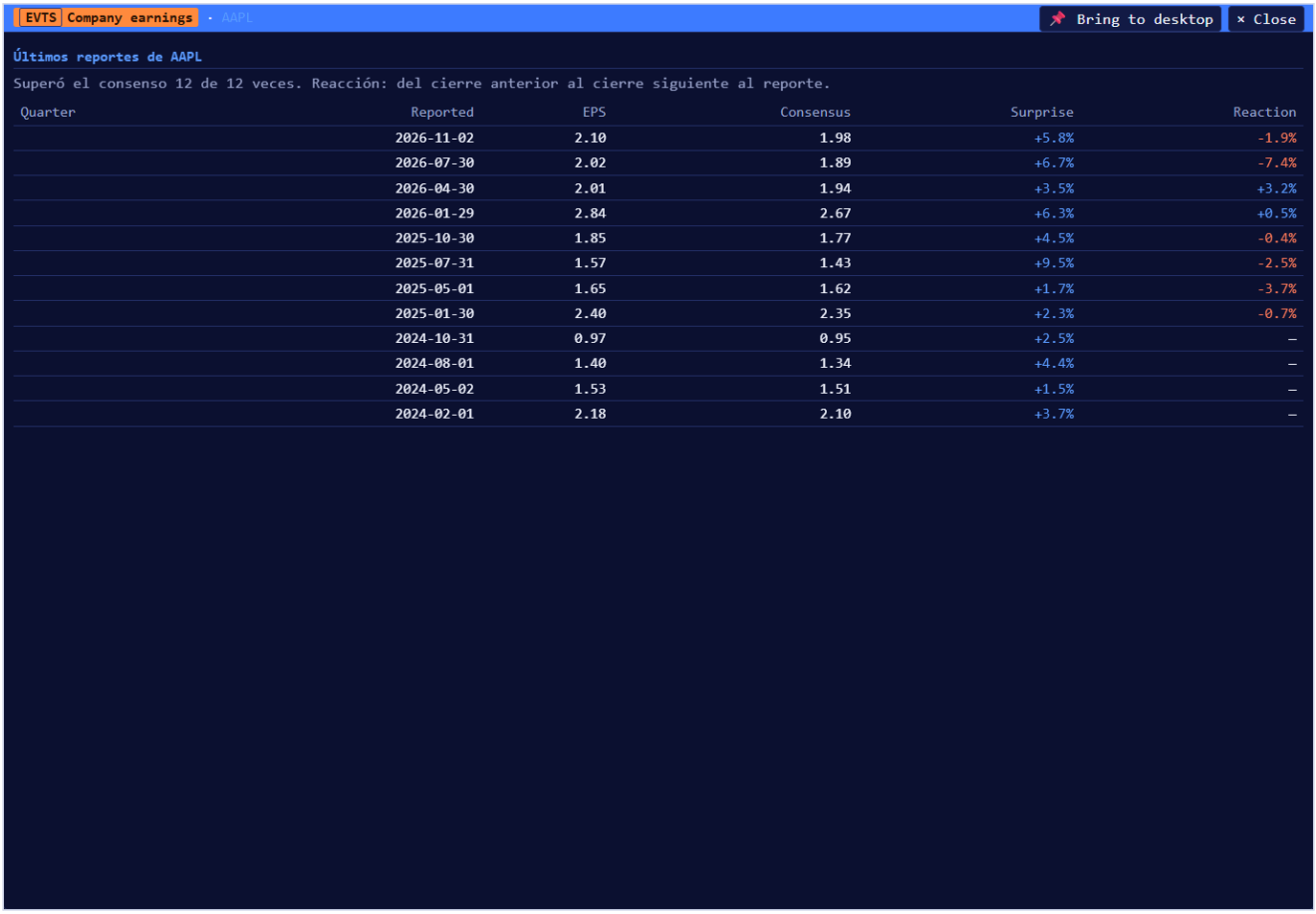
# CN Company news




CN on AAPL US Equity.

| | |
|---|---|
| WHAT IT IS FOR | Recent headlines that mention the security, translated. |
| HOW TO READ IT | Each row shows time, source, the translated headline and the original in grey. Filters by region, important and hot. Click to open the story at the publisher. |
| DATA | Quantvestor news server and Google News for the past week (same in Lite and Pro). |
| LIMITS | Headlines with links only: the full story stays with the publisher. |

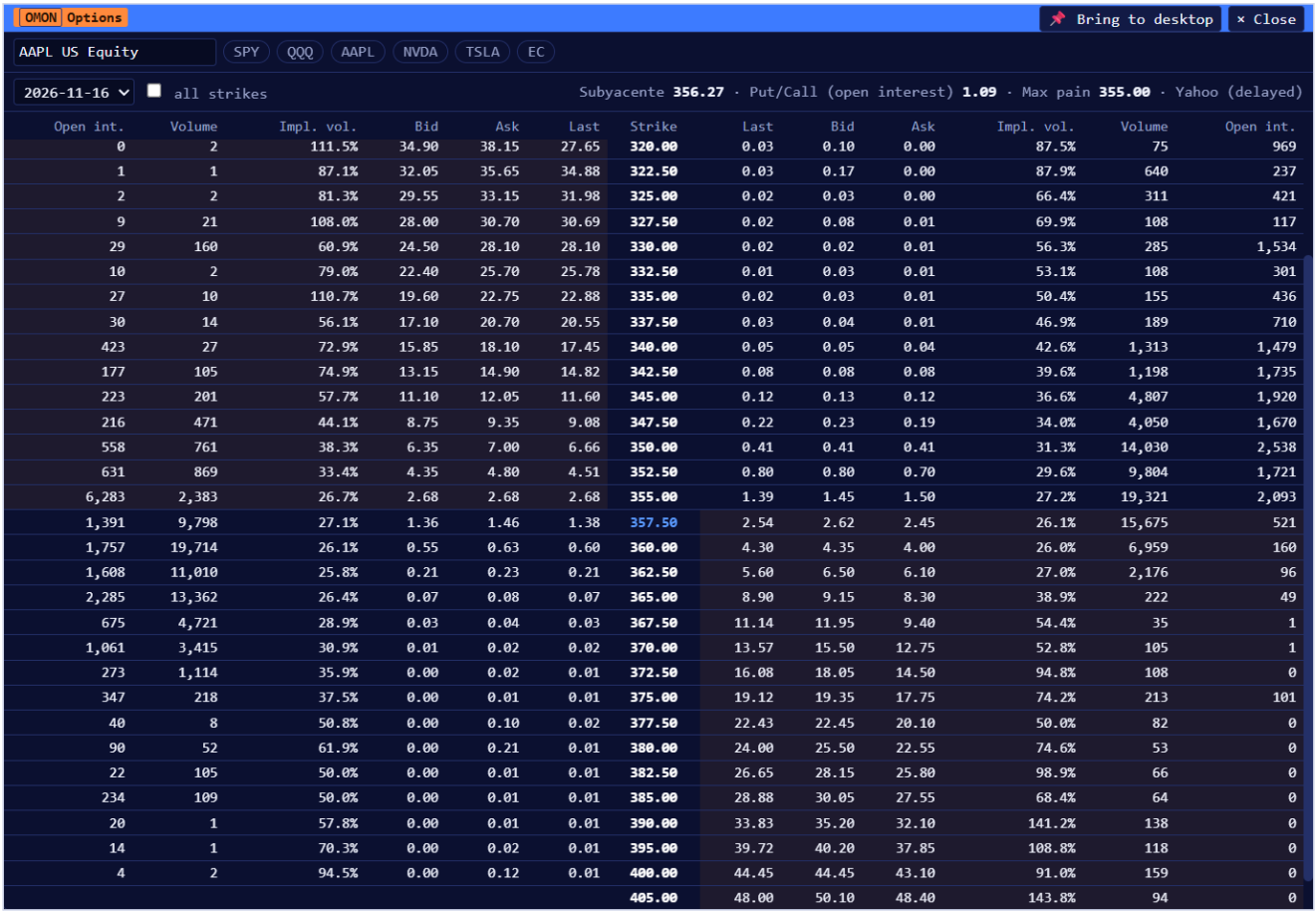
# ERN Earnings history




ERN on AAPL US Equity.

| | |
|---|---|
| WHAT IT IS FOR | Quarterly reports: how much the company earned against what the market expected, and how the stock reacted. |
| HOW TO READ IT | By quarter: date, actual EPS, consensus, surprise % and reaction % (from the prior close to the next one). The header says how many times it beat consensus. |
| DATA | Yahoo Finance (EPS, consensus, surprise and reaction). Same in Lite and Pro. |
| LIMITS | U.S.-listed stocks only. Shows the last 12 reports. |

# OMON Option chain




| Open int. | Volume | Impl. vol. | Bid | Ask | Last | Strike | Last | Bid | Ask | Impl. vol. | Volume | Open int. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2 | 111.5% | 34.90 | 38.15 | 27.65 | 320.00 | 0.03 | 0.10 | 0.00 | 87.5% | 75 | 969 |
| 1 | 1 | 87.1% | 32.05 | 35.65 | 34.88 | 322.50 | 0.03 | 0.17 | 0.00 | 87.9% | 640 | 237 |
| 2 | 2 | 81.3% | 29.55 | 33.15 | 31.98 | 325.00 | 0.02 | 0.03 | 0.00 | 66.4% | 311 | 421 |
| 9 | 21 | 108.0% | 28.00 | 30.70 | 30.69 | 327.50 | 0.02 | 0.08 | 0.01 | 69.9% | 108 | 117 |
| 29 | 160 | 60.9% | 24.50 | 28.10 | 28.10 | 330.00 | 0.02 | 0.02 | 0.01 | 56.3% | 285 | 1,534 |
| 10 | 2 | 79.0% | 22.40 | 25.70 | 25.78 | 332.50 | 0.01 | 0.03 | 0.01 | 53.1% | 108 | 301 |
| 27 | 10 | 110.7% | 19.60 | 22.75 | 22.88 | 335.00 | 0.02 | 0.03 | 0.01 | 50.4% | 155 | 436 |
| 30 | 14 | 56.1% | 17.10 | 20.70 | 20.55 | 337.50 | 0.03 | 0.04 | 0.01 | 46.9% | 189 | 710 |
| 423 | 27 | 72.9% | 15.85 | 18.10 | 17.45 | 340.00 | 0.05 | 0.05 | 0.04 | 42.6% | 1,313 | 1,479 |
| 177 | 105 | 74.9% | 13.15 | 14.90 | 14.82 | 342.50 | 0.08 | 0.08 | 0.08 | 39.6% | 1,198 | 1,735 |
| 223 | 201 | 57.7% | 11.10 | 12.05 | 11.60 | 345.00 | 0.12 | 0.13 | 0.12 | 36.6% | 4,807 | 1,920 |
| 216 | 471 | 44.1% | 8.75 | 9.35 | 9.08 | 347.50 | 0.22 | 0.23 | 0.19 | 34.0% | 4,050 | 1,670 |
| 558 | 761 | 38.3% | 6.35 | 7.00 | 6.66 | 350.00 | 0.41 | 0.41 | 0.41 | 31.3% | 14,030 | 2,538 |
| 631 | 869 | 33.4% | 4.35 | 4.80 | 4.51 | 352.50 | 0.80 | 0.80 | 0.70 | 29.6% | 9,804 | 1,721 |
| 6,283 | 2,383 | 26.7% | 2.68 | 2.68 | 2.68 | 355.00 | 1.39 | 1.45 | 1.50 | 27.2% | 19,321 | 2,093 |
| 1,391 | 9,798 | 27.1% | 1.36 | 1.46 | 1.38 | 357.50 | 2.54 | 2.62 | 2.45 | 26.1% | 15,675 | 521 |
| 1,757 | 19,714 | 26.1% | 0.55 | 0.63 | 0.60 | 360.00 | 4.30 | 4.35 | 4.00 | 26.0% | 6,959 | 160 |
| 1,608 | 11,010 | 25.8% | 0.21 | 0.23 | 0.21 | 362.50 | 5.60 | 6.50 | 6.10 | 27.0% | 2,176 | 96 |
| 2,285 | 13,362 | 26.4% | 0.07 | 0.08 | 0.07 | 365.00 | 8.90 | 9.15 | 8.30 | 38.9% | 222 | 49 |
| 675 | 4,721 | 28.9% | 0.03 | 0.04 | 0.03 | 367.50 | 11.14 | 11.95 | 9.40 | 54.4% | 35 | 1 |
| 1,061 | 3,415 | 30.9% | 0.01 | 0.02 | 0.02 | 370.00 | 13.57 | 15.50 | 12.75 | 52.8% | 105 | 1 |
| 273 | 1,114 | 35.9% | 0.00 | 0.02 | 0.01 | 372.50 | 16.08 | 18.05 | 14.50 | 94.8% | 108 | 0 |
| 347 | 218 | 37.5% | 0.00 | 0.01 | 0.01 | 375.00 | 19.12 | 19.35 | 17.75 | 74.2% | 213 | 101 |
| 40 | 8 | 50.8% | 0.00 | 0.10 | 0.02 | 377.50 | 22.43 | 22.45 | 20.10 | 50.0% | 82 | 0 |
| 90 | 52 | 61.9% | 0.00 | 0.21 | 0.01 | 380.00 | 24.00 | 25.50 | 22.55 | 74.6% | 53 | 0 |
| 22 | 105 | 50.0% | 0.00 | 0.01 | 0.01 | 382.50 | 26.65 | 28.15 | 25.80 | 98.9% | 66 | 0 |
| 234 | 109 | 50.0% | 0.00 | 0.01 | 0.01 | 385.00 | 28.88 | 30.05 | 27.55 | 68.4% | 64 | 0 |
| 20 | 1 | 57.8% | 0.00 | 0.01 | 0.01 | 390.00 | 33.83 | 35.20 | 32.10 | 141.2% | 138 | 0 |
| 14 | 1 | 70.3% | 0.00 | 0.02 | 0.01 | 395.00 | 39.72 | 40.20 | 37.85 | 108.8% | 118 | 0 |
| 4 | 2 | 94.5% | 0.00 | 0.12 | 0.01 | 400.00 | 44.45 | 44.45 | 43.10 | 91.0% | 159 | 0 |
| | | | | | | 405.00 | 48.00 | 50.10 | 48.40 | 143.8% | 94 | 0 |

OMON on AAPL US Equity.

| | |
|---|---|
| WHAT IT IS FOR | The listed option chain of a U.S. stock or ETF. |
| HOW TO READ IT | Calls on the left, puts on the right and strikes in the middle, with open interest, volume, implied volatility, bid, ask and last. Shading marks in-the-money; the strike nearest the price is highlighted. Expiry, put/call ratio and max pain at the top. |
| DATA | Yahoo Finance, delayed (same in Lite and Pro). |
| LIMITS | U.S.-listed options only. By default it shows ±15% around the price. |

# CMTE AI analysis committee




CMTE on AAPL US Equity.

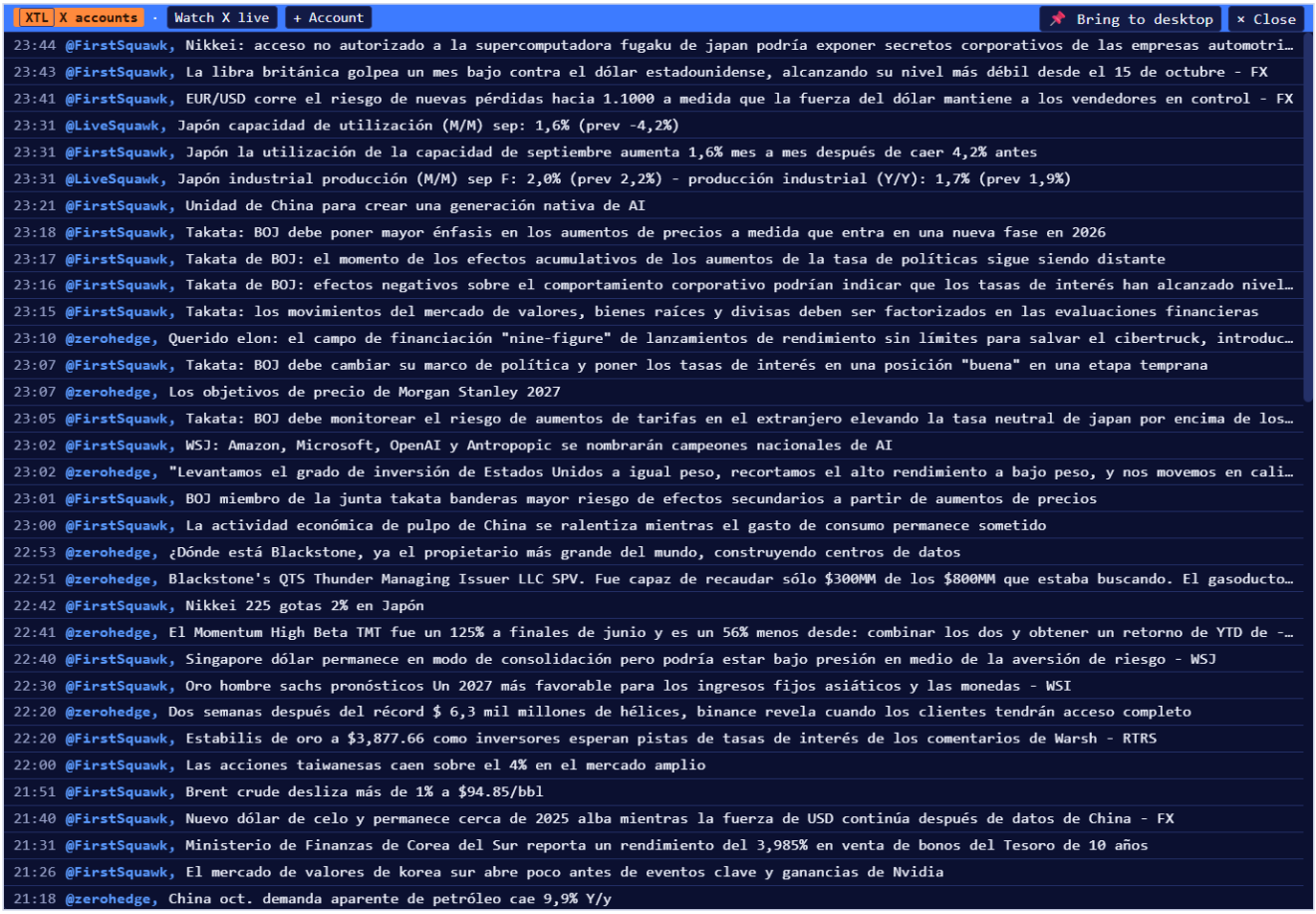
| | |
|---|---|
| WHAT IT IS FOR | A committee of AI analysts that reviews the security from several angles and lays out a bull case, a bear case and the risks. |
| HOW TO READ IT | Seven roles run in turn: technical, fundamental, news, macro, bull researcher, bear researcher and risk moderator. It shows the committee's one-month view (target, band and conviction), third-party consensus and the moderator's report: balance, risks, levels to watch and what would change the view. The AI only votes on direction and conviction; the size of the move comes from the security's volatility. |
| DATA | Platform data (prices, profile, news, calendar). The AI runs on your computer with Ollama, or with Claude if you add your own key under Connections. |
| LIMITS | With local AI it takes one or two minutes and needs about 8 GB of RAM and 8 GB of free disk. It is a context read, not a recommendation. |

# TOP Top news




| | |
|---|---|
| WHAT IT IS FOR | The market headline feed, translated and sorted. |
| HOW TO READ IT | Each row has time, source, translated headline and the original. Filters by region (Colombia, U.S., Global), important and hot; DATA and HOT tags. You can get a beep or voice for hot headlines. The gear picks sources. |
| DATA | The Quantvestor server gathers and translates RSS and wire sources (same in Lite and Pro). |
| LIMITS | Headlines with links only. Political headlines were hidden in this manual's capture. |

# XTL X accounts



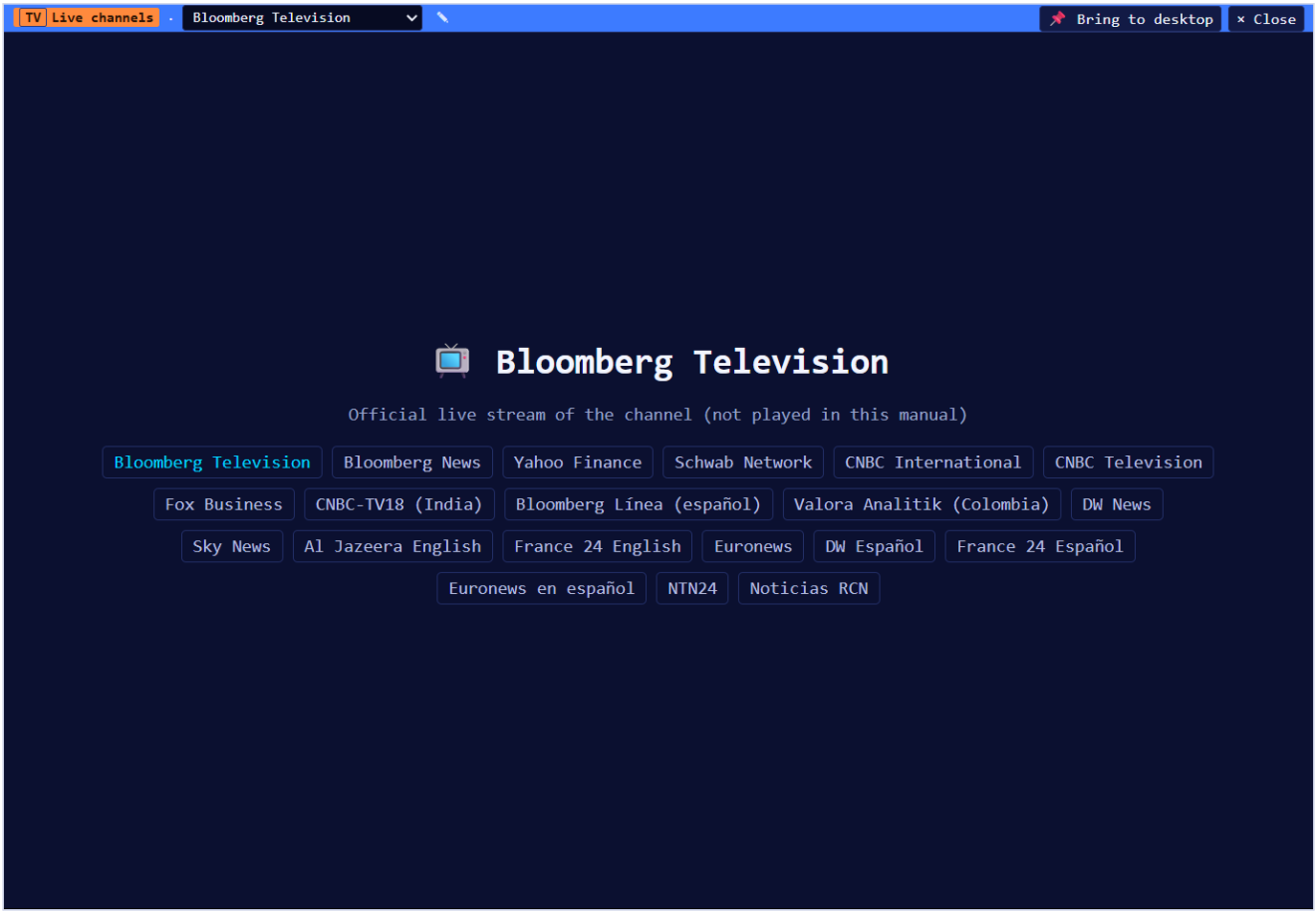

| | |
|---|---|
| WHAT IT IS FOR | Follow, in one list, the X accounts that move markets (squawks, central banks, media). |
| HOW TO READ IT | One line per post: time, account and text. "+ Account" adds your own and "Watch X live" opens X. |
| DATA | Core accounts are read by the server. Accounts you add are read from an X window signed in with your own session. |
| LIMITS | X does not allow reading accounts without its paid API, except through that window with your session. Political posts were hidden in the capture. |

# BRIEF Morning briefing



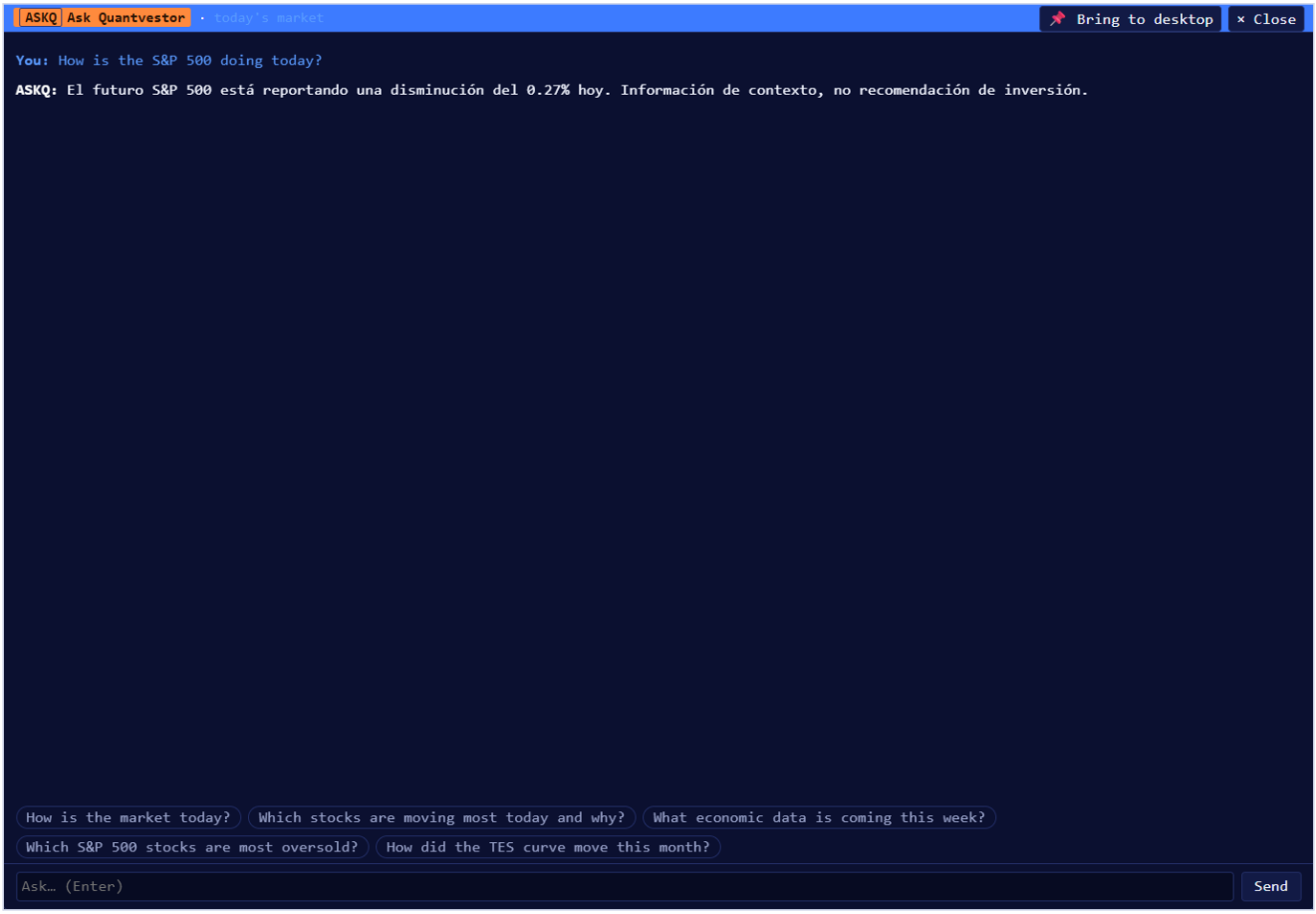

| | |
|---|---|
| WHAT IT IS FOR | A written market summary to start (or end) the day, which you can also listen to or get by email. |
| HOW TO READ IT | Text covering markets, Colombia, Asia, Europe and futures (mornings) or the close (afternoons), today's agenda, the key news and risk hot spots; the detail follows. Buttons to read aloud, refresh and subscribe to the email. |
| DATA | The price database (in the Lite, with Yahoo's latest figure), the calendar and the news server. |
| LIMITS | Voice and the 7:00 a.m. email are scheduled from the panel. |

# TV Live TV




| | |
|---|---|
| WHAT IT IS FOR | Watch official live streams of financial news channels in a panel. |
| HOW TO READ IT | Choose the channel in the selector (✎ edits the list; ⤢ fits 16:9). It starts muted. |
| DATA | Each channel's official YouTube live stream (same in Lite and Pro). |
| LIMITS | If the channel is not live, the panel says so. In the capture, instead of the video you see the chosen channel and the channel list. |

# ASKQ Ask Quantvestor (AI)



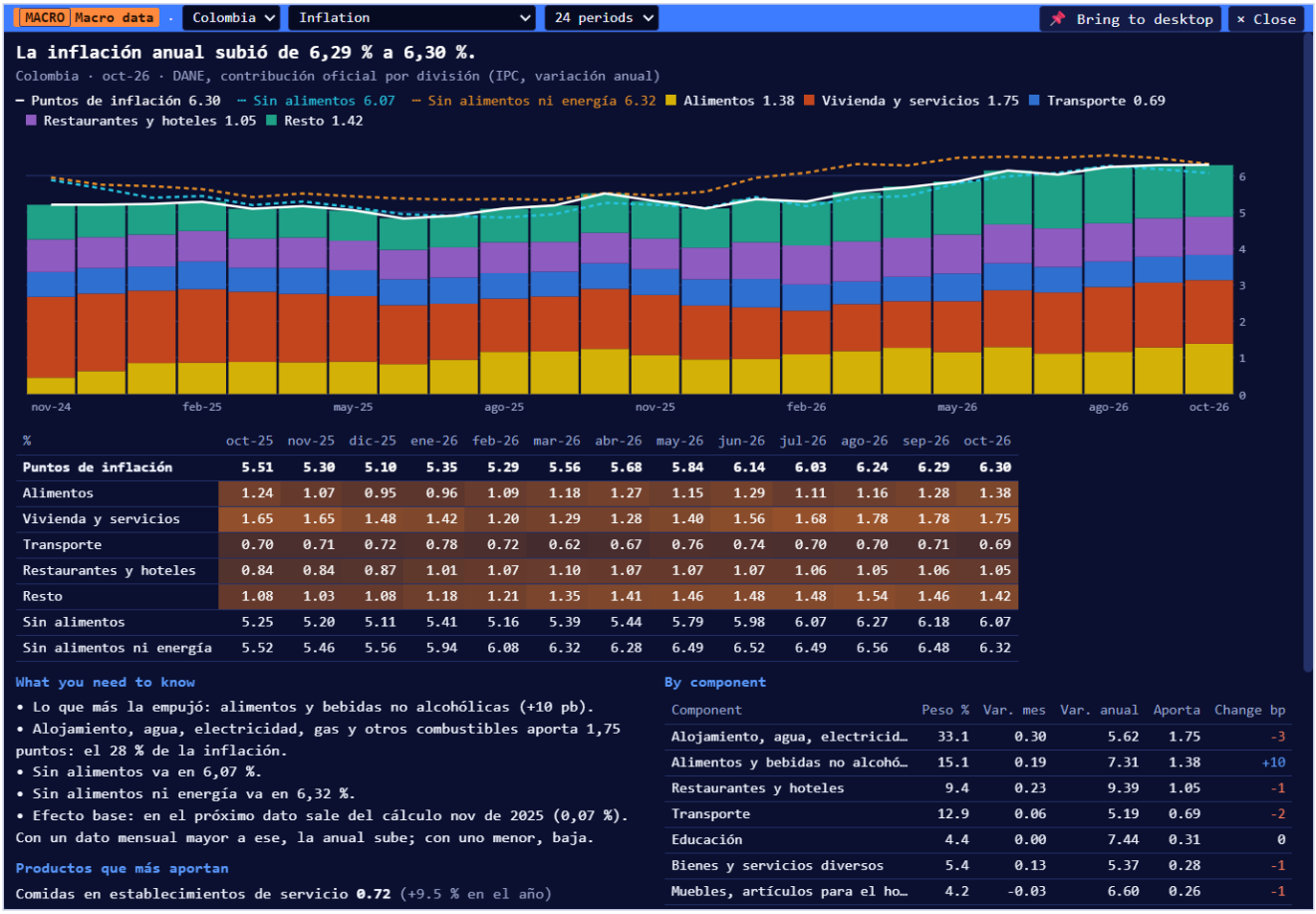

| | |
|---|---|
| WHAT IT IS FOR | A chat to ask about the market or a security in plain language, answered from the Terminal's data. |
| HOW TO READ IT | Type the question and press Enter. Each answer says what it looked up ("Consulted: …"): prices, VERA reading, fundamentals, calendar, news, curves… With a ticker it answers about that security and offers to open the committee. |
| DATA | The AI only sees Terminal data. It runs with Ollama on your computer, or with Claude if you add your key. |
| LIMITS | Local AI needs about 8 GB of RAM and 8 GB of disk and downloads itself the first time. Answers are context, not recommendations, and can be wrong. |

# ECO Economic calendar




| | |
|---|---|
| WHAT IT IS FOR | Today's and this week's economic releases, with the actual figure against expectations. |
| HOW TO READ IT | Columns for time, region, importance, event, actual, consensus and previous. Actual shows green when it beats consensus and red when it misses. The title counts down to the next release. Click a row for its history. |
| DATA | Lite: public sources (official agencies, Fed, DANE, BanRep) gathered by the server, with actuals within seconds. Pro: the same, asking Bloomberg only for consensus that has no free source. |
| LIMITS | In Colombia the public source has no consensus; it is completed with BanRep's survey. Times are shown in your computer's time zone. |

# MACRO Macro data

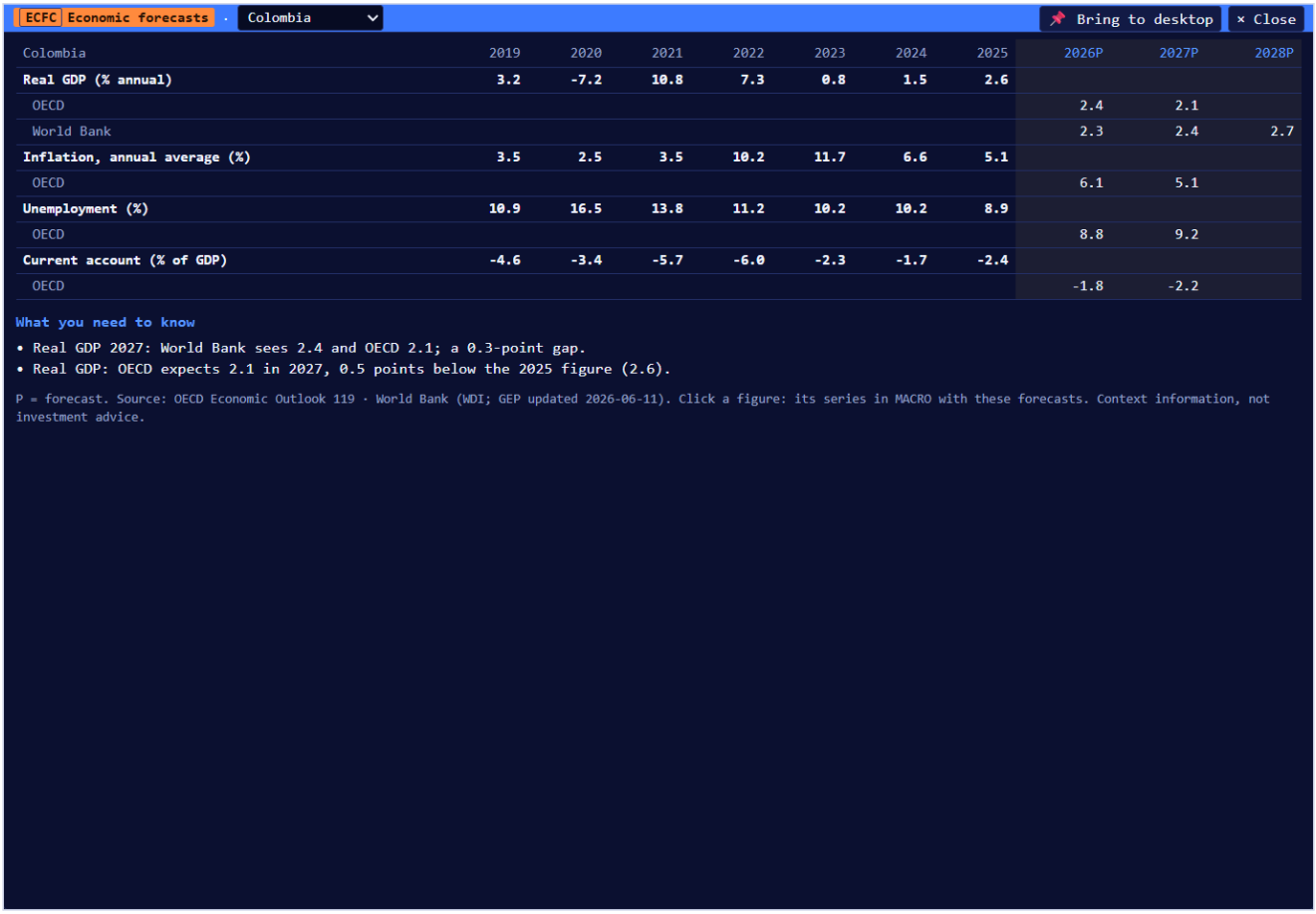



| % | oct-25 | nov-25 | dic-25 | ene-26 | feb-26 | mar-26 | abr-26 | may-26 | jun-26 | jul-26 | ago-26 | sep-26 | oct-26 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Puntos de inflación** | **5.51** | **5.30** | **5.10** | **5.35** | **5.29** | **5.56** | **5.68** | **5.84** | **6.14** | **6.03** | **6.24** | **6.29** | **6.30** |
| Alimentos | 1.24 | 1.07 | 0.95 | 0.96 | 1.09 | 1.18 | 1.27 | 1.15 | 1.29 | 1.11 | 1.16 | 1.28 | 1.38 |
| Vivienda y servicios | 1.65 | 1.65 | 1.48 | 1.42 | 1.20 | 1.29 | 1.28 | 1.40 | 1.56 | 1.68 | 1.78 | 1.78 | 1.75 |
| Transporte | 0.70 | 0.71 | 0.72 | 0.78 | 0.72 | 0.62 | 0.67 | 0.76 | 0.74 | 0.70 | 0.70 | 0.71 | 0.69 |
| Restaurantes y hoteles | 0.84 | 0.84 | 0.87 | 1.01 | 1.07 | 1.10 | 1.07 | 1.07 | 1.07 | 1.06 | 1.05 | 1.06 | 1.05 |
| Resto | 1.08 | 1.03 | 1.08 | 1.18 | 1.21 | 1.35 | 1.41 | 1.46 | 1.48 | 1.48 | 1.54 | 1.46 | 1.42 |
| Sin alimentos | 5.25 | 5.20 | 5.11 | 5.41 | 5.16 | 5.39 | 5.44 | 5.79 | 5.98 | 6.07 | 6.27 | 6.18 | 6.07 |
| Sin alimentos ni energía | 5.52 | 5.46 | 5.56 | 5.94 | 6.08 | 6.32 | 6.28 | 6.49 | 6.52 | 6.49 | 6.56 | 6.48 | 6.32 |

| Component | Peso % | Var. mes | Var. anual | Aporta | Change bp |
|---|---|---|---|---|---|
| Alojamiento, agua, electricid… | 33.1 | 0.30 | 5.62 | 1.75 | -3 |
| Alimentos y bebidas no alcohó… | 15.1 | 0.19 | 7.31 | 1.38 | +10 |
| Restaurantes y hoteles | 9.4 | 0.23 | 9.39 | 1.05 | -1 |
| Transporte | 12.9 | 0.06 | 5.19 | 0.69 | -2 |
| Educación | 4.4 | 0.00 | 7.44 | 0.31 | 0 |
| Bienes y servicios diversos | 5.4 | 0.13 | 5.37 | 0.28 | -1 |
| Muebles, artículos para el ho… | 4.2 | -0.03 | 6.60 | 0.26 | -1 |

| | |
|---|---|
| WHAT IT IS FOR | Inflation, jobs, GDP and more for Colombia and the U.S., with what drives each move. |
| HOW TO READ IT | Choose country and indicator. The chart stacks the components that add up to the total (for example, which items move inflation), with a table and a written reading. Right-click for the long-term forecasts. |
| DATA | Official public sources only, same in Lite and Pro: DANE and BanRep for Colombia; BLS, BEA and FRED for the U.S. |
| LIMITS | Colombia and the U.S. only. U.S. inflation contributions are our own approximation. |

# ECFC Economic forecasts by country




| Colombia | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026P | 2027P | 2028P |
|---|---|---|---|---|---|---|---|---|---|---|
| **Real GDP (% annual)** | **3.2** | **-7.2** | **10.8** | **7.3** | **0.8** | **1.5** | **2.6** | | | |
| OECD | | | | | | | | 2.4 | 2.1 | |
| World Bank | | | | | | | | 2.3 | 2.4 | 2.7 |
| **Inflation, annual average (%)** | **3.5** | **2.5** | **3.5** | **10.2** | **11.7** | **6.6** | **5.1** | | | |
| OECD | | | | | | | | 6.1 | 5.1 | |
| **Unemployment (%)** | **10.9** | **16.5** | **13.8** | **11.2** | **10.2** | **10.2** | **8.9** | | | |
| OECD | | | | | | | | 8.8 | 9.2 | |
| **Current account (% of GDP)** | **-4.6** | **-3.4** | **-5.7** | **-6.0** | **-2.3** | **-1.7** | **-2.4** | | | |
| OECD | | | | | | | | -1.8 | -2.2 | |

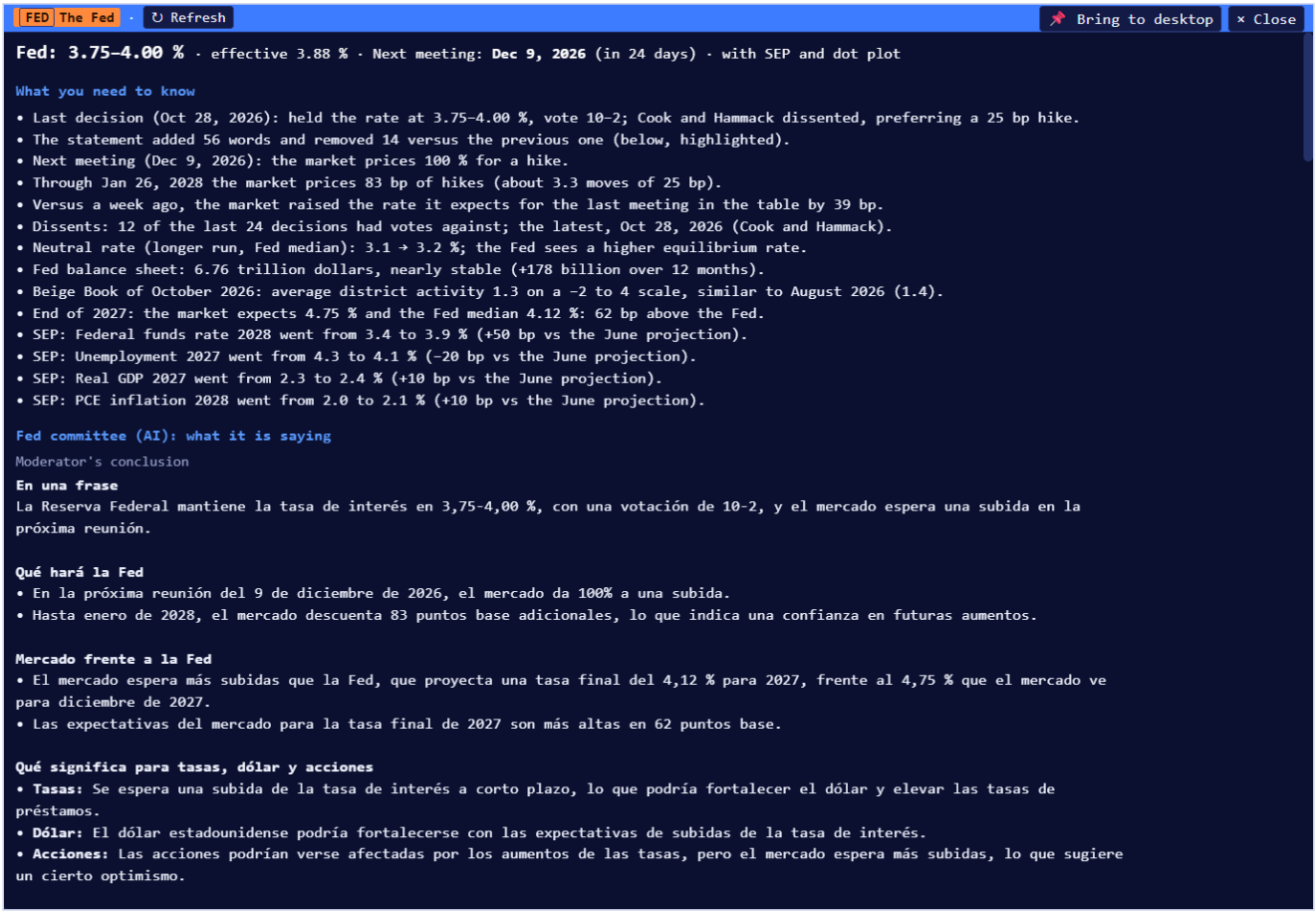
| | |
|---|---|
| WHAT IT IS FOR | Compare actual data with what several forecasters expect, year by year. |
| HOW TO READ IT | Table by year: actual figure in bold and each source below with its range. Forecast years are marked "P" and shaded. Rows for inflation, unemployment, GDP and current account; where sources disagree is noted below. Ten countries plus the euro area. |
| DATA | Lite: OECD and World Bank. Pro: also Bloomberg's analyst consensus with its range. |
| LIMITS | No analyst consensus in the Lite. Years with no figure are never filled in. |

# TASA Policy rates




| | |
|---|---|
| WHAT IT IS FOR | Where the Fed's and Banco de la República's rates are expected to go. |
| HOW TO READ IT | The chart shows the rate's history as steps and, going forward, one line per source with its range. The table goes by quarter-end with the difference from today in basis points. |
| DATA | Lite: fed funds futures (Yahoo), Fed projections (FRED) and BanRep's monthly survey. Pro: also IBR swaps and Bloomberg consensus. |
| LIMITS | IBR swaps and analyst consensus are Pro only. |

# FED The Fed




| | |
|---|---|
| WHAT IT IS FOR | Everything about the Federal Reserve on one page: meeting-by-meeting odds, statement, dot plot and projections. |
| HOW TO READ IT | Header with target range, effective rate and next meeting. Then "What you need to know", the AI read of the committee, the odds of a cut, hold or hike at each meeting (and how they changed over a week and a month), the expected range after each meeting, statement changes, the dot plot, projections, minutes, dissents, neutral rate, balance sheet and Beige Book. |
| DATA | Public sources, same in Lite and Pro: fed funds futures (Yahoo, CME method), federalreserve.gov and FRED. The AI read uses the configured AI. |
| LIMITS | The odds are our own calculation from futures (not FedWatch's figures) and carry Yahoo's delay. With local AI the read takes two or three minutes. |

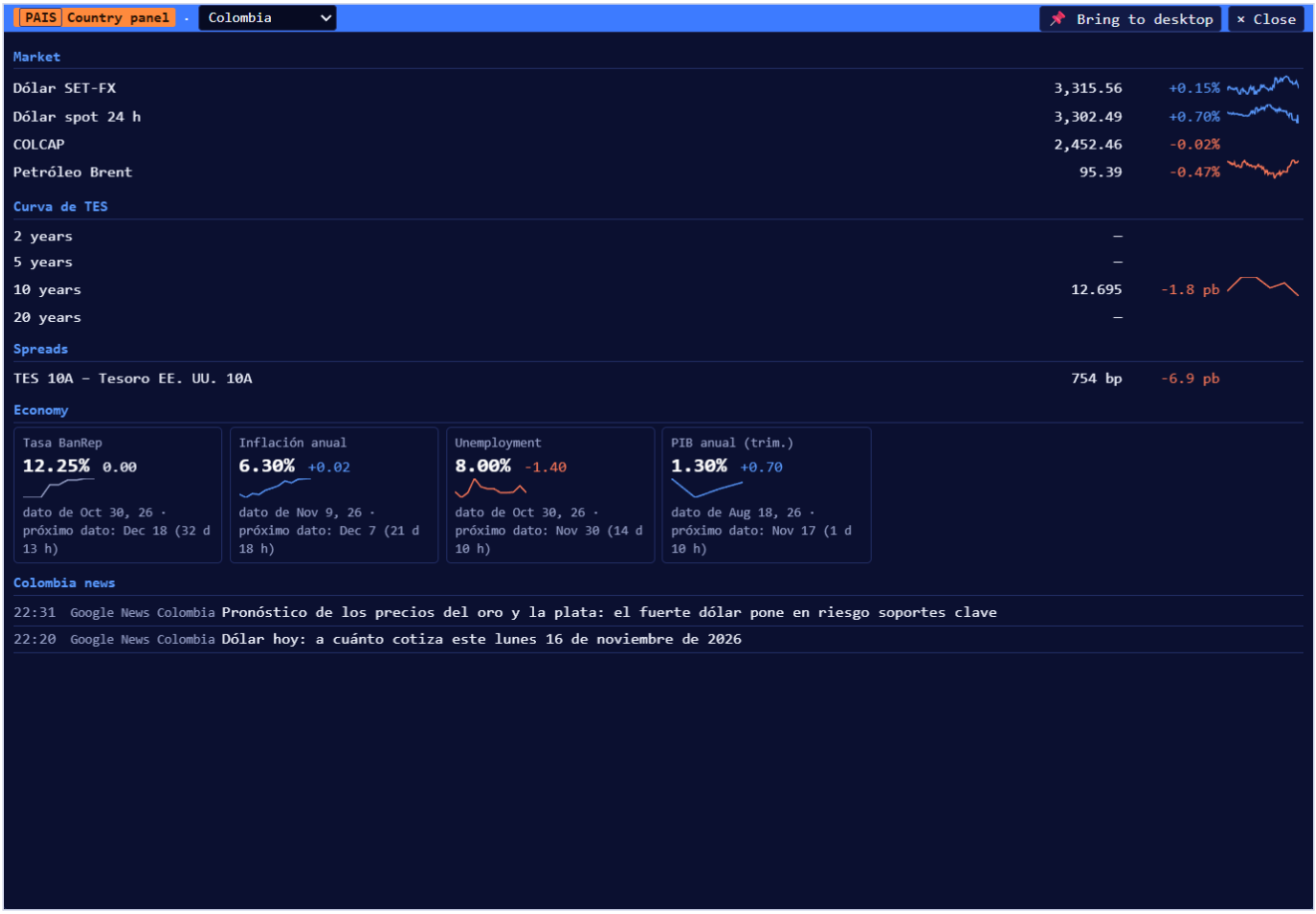
# GC Yield curves




| Term | 1M | 2M | 3M | 6M | 1A | 2A | 3A | 5A | 7A | 10A | 20A | 30A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2026-11-13 | 4.100 | 4.260 | 4.320 | 4.420 | 4.650 | 4.880 | 4.920 | 4.980 | 5.050 | 5.150 | 5.520 | 5.470 |
| 2026-10-14 | 4.110 | 4.150 | 4.280 | 4.370 | 4.530 | 4.820 | 4.920 | 5.000 | 5.090 | 5.190 | 5.570 | 5.520 |
| Change bp | -1.0 | +11.0 | +4.0 | +5.0 | +12.0 | +6.0 | 0.0 | -2.0 | -4.0 | -4.0 | -5.0 | -5.0 |

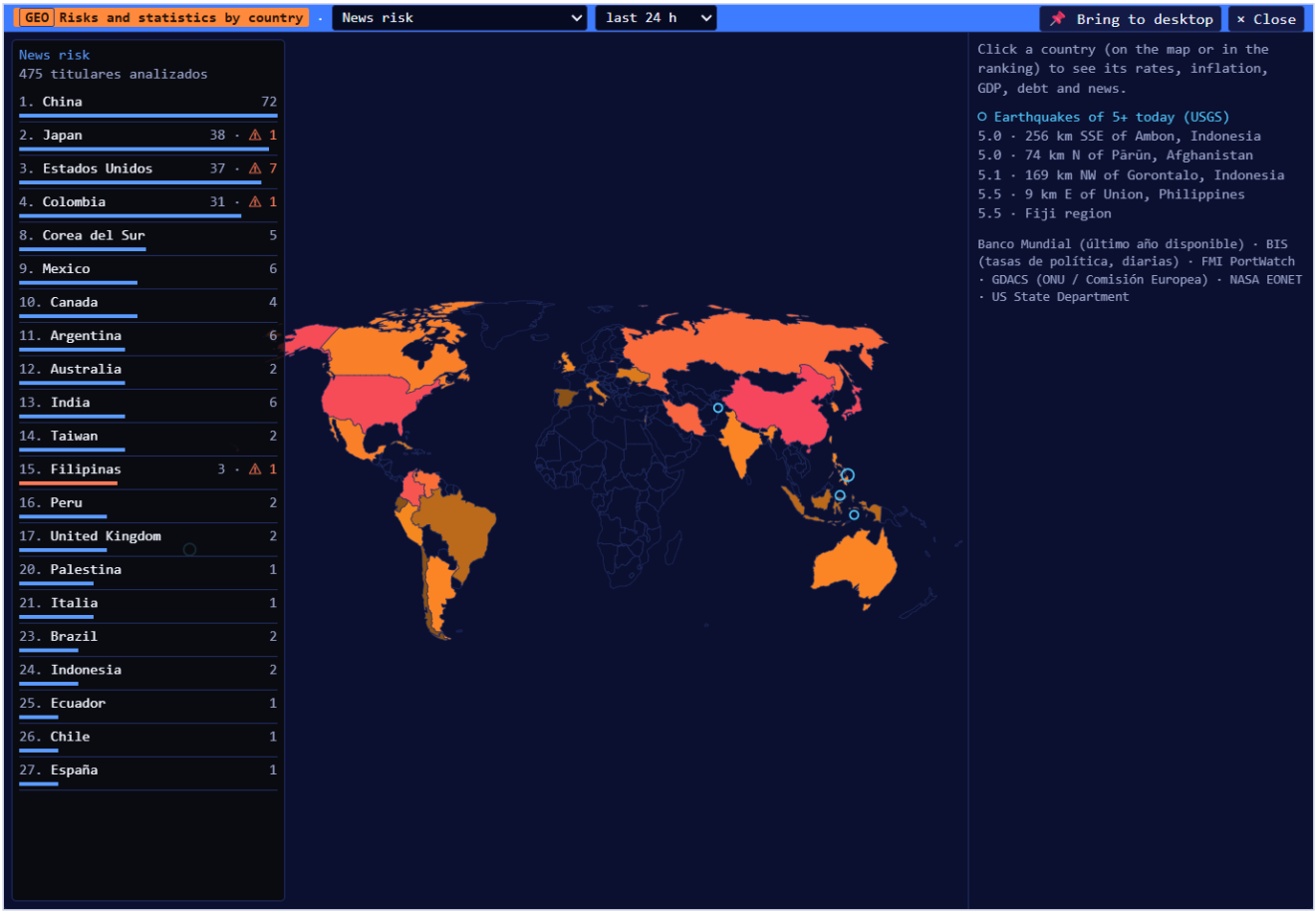
| | |
|---|---|
| WHAT IT IS FOR | Today's yield curve against another date: U.S. Treasuries, Colombian TES and other countries. |
| HOW TO READ IT | Today's line against the dotted line of the comparison date (1 day, 1 week, 1 month... or a date), with the change per tenor in basis points as bars below, and a table. |
| DATA | Public sources (U.S. Treasury, ECB, central banks, BanRep, FRED). Fixed-rate TES: SEN in the Lite and Bloomberg in the Pro. Dollar bonds of countries and companies are Pro only. |
| LIMITS | Some credit indices published on FRED are for personal use only. |

# PAIS Country panel




| | |
|---|---|
| WHAT IT IS FOR | Colombia and the U.S. on one page: markets, curves, spreads, economy and news. |
| HOW TO READ IT | Market sections; today's curves against the previous close; spreads in basis points; economy cards with the latest figure, its change and the date of the next one; and regional news. |
| DATA | The local database, the economic calendar and the news server. |
| LIMITS | Colombia and the U.S. only. |

# GEO Country risk and statistics




| | |
|---|---|
| WHAT IT IS FOR | A world map to see where risks are concentrated and compare each country's statistics. |
| HOW TO READ IT | Pick a layer: risk in the news, instability index (0 to 100), shipping chokepoints, active disasters, travel advisories, or statistics (policy rate, inflation, GDP, unemployment, debt...). The side panel has the ranking and the country detail. |
| DATA | Free public sources: news engine, USGS, IMF PortWatch, GDACS, NASA, U.S. travel advisories, BIS and World Bank (same in Lite and Pro). |
| LIMITS | The instability index is our own risk read, not a rating. |

# MON Market monitor




| | |
|---|---|
| WHAT IT IS FOR | Your live price list, with the columns you want. |
| HOW TO READ IT | One row per ticker with last, change, open, high, low, previous close, bid, ask, time, volume and source. Named lists, groups and a heat-map view; click to open the chart, right-click for alerts and functions. |
| DATA | Lite: public sources or your connections (the Source column says which and with what delay). Pro: Bloomberg. |
| LIMITS | A new ticker takes a few seconds to fill in. |

# CINTA Price ticker




| | |
|---|---|
| WHAT IT IS FOR | A thin bar, always on top of other windows, that scrolls the prices in your Monitor. |
| HOW TO READ IT | Each security with last, daily change and sparkline; ⏱ marks delayed data, and those with an alert or a strong move are highlighted. Speed, list, top or bottom position and screen are adjustable. |
| DATA | The same data as the Monitor; it makes no new requests. |
| LIMITS | It reserves screen space like the Windows taskbar. |

# WEI World indices




| | |
|---|---|
| WHAT IT IS FOR | The main stock indices grouped by region. |
| HOW TO READ IT | Per index: sparkline, level, change, day %, year % and date of the figure. Click to open the chart. |
| DATA | Lite: Yahoo Finance, delayed (or your real-time connection). Pro: Bloomberg. |
| LIMITS | Each exchange keeps its own hours: outside them you see the last close. |

# IMAP Heat map




| | |
|---|---|
| WHAT IT IS FOR | See at a glance what is up and down: sectors, stocks, countries, commodities, currencies or your own map. |
| HOW TO READ IT | Each tile is a security: size is its approximate weight and color its change (green up, red down; full color at ±3% on the day). Click a sector to drill into its stocks. Periods: today, 5 days, month and year. |
| DATA | The local database (public sources in the Lite, Bloomberg in the Pro). |
| LIMITS | Weights are approximate. In the Lite sector size uses traded value instead of market cap. |

# BVC Colombian stocks




| | |
|---|---|
| WHAT IT IS FOR | A heat map of the main stocks on the Colombian Stock Exchange. |
| HOW TO READ IT | Same as the heat map: approximate size by weight and color by change. Click to open the chart. |
| DATA | Lite: Yahoo Finance, delayed (or e-bvc if you connected it). Pro: Bloomberg. |
| LIMITS | Prices are delayed in the Lite. |

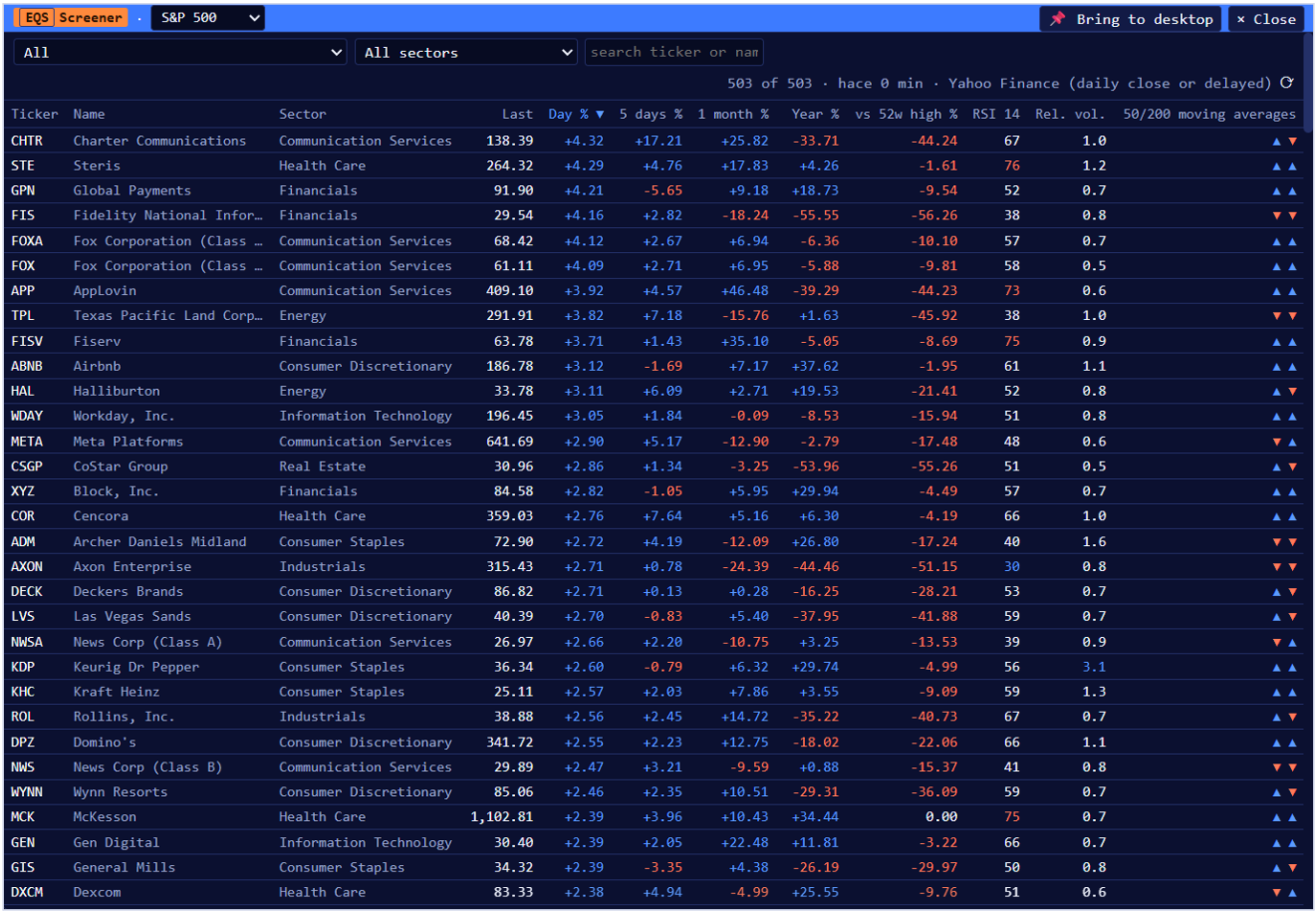
# MOST Most active




| Symbol | Name | Last | Today | Rel. vol. | Volume | Mkt cap | 52 wk | vs 52w high | Fwd P/E | Analysts |
|---|---|---|---|---|---|---|---|---|---|---|
| LFTO | Liftoff Mobile, Inc. | 24.44 | +30.63 % | 10.5× | 10 M | 4.1 mil M | -14.09 % | -18.80 % | 17.4 | 1.6 - Buy |
| MOD | Modine Manufacturing Company | 135.66 | +27.86 % | 4.8× | 8 M | 7.2 mil M | +5.58 % | -58.03 % | 14.4 | 1.1 - Strong Buy |
| STN | Stantec Inc | 85.69 | +14.06 % | 2.6× | 1 M | 9.5 mil M | -13.58 % | -18.78 % | 17.2 | 1.6 - Buy |
| NU | Nu Holdings Ltd. | 13.22 | +11.75 % | 1.9× | 152 M | 64.0 mil M | -15.26 % | -30.35 % | 12.2 | 1.6 - Buy |
| CBRS | Cerebras Systems Inc. | 108.72 | +11.22 % | 3.9× | 37 M | 26.4 mil M | -65.05 % | -71.86 % | 58.5 | 1.3 - Strong Buy |
| TOP | TOP Financial Group Limited | 17.00 | +10.17 % | 2.6× | 0 M | 2.1 mil M | +220.75 % | -2.41 % | – | – |
| STVN | Stevanato Group S.p.A. | 15.80 | +10.03 % | 2.3× | 1 M | 4.3 mil M | -26.55 % | -34.19 % | 21.8 | 1.8 - Buy |
| WWW | Wolverine World Wide, Inc. | 24.89 | +8.83 % | 2.9× | 3 M | 2.0 mil M | +68.97 % | -0.12 % | 13.0 | 2.0 - Buy |
| KLAR | Klarna Group plc | 13.80 | +8.58 % | 1.9× | 13 M | 5.2 mil M | -60.44 % | -60.96 % | 17.6 | 2.2 - Buy |
| FOUR | Shift4 Payments, Inc. | 44.78 | +7.85 % | 1.3× | 3 M | 3.4 mil M | -33.81 % | -40.57 % | 8.0 | 2.1 - Buy |
| ALM | Almonty Industries Inc. | 8.22 | +7.73 % | 1.2× | 8 M | 2.3 mil M | +26.66 % | -66.33 % | 6.2 | 1.2 - Strong Buy |
| BROS | Dutch Bros Inc. | 35.90 | +6.50 % | 1.3× | 6 M | 5.0 mil M | -30.45 % | -51.50 % | 30.1 | 1.3 - Strong Buy |
| IONS | Ionis Pharmaceuticals, Inc. | 29.06 | +6.41 % | 1.6× | 6 M | 4.8 mil M | -60.33 % | -66.50 % | -14.3 | 1.6 - Buy |
| CHA | Chagee Holdings Limited | 14.37 | +6.37 % | 1.9× | 2 M | 2.7 mil M | +0.56 % | -13.22 % | 8.8 | 1.5 - Buy |
| CGON | CG Oncology, Inc. | 74.40 | +6.06 % | 3.3× | 3 M | 6.6 mil M | +80.36 % | -8.11 % | -25.9 | 1.4 - Strong Buy |
| VKTX | Viking Therapeutics, Inc. | 29.22 | +5.95 % | 1.7× | 9 M | 3.7 mil M | -23.55 % | -32.20 % | -5.6 | 1.4 - Strong Buy |
| CLBT | Cellebrite DI Ltd. | 11.53 | +5.88 % | 2.0× | 5 M | 2.9 mil M | -36.54 % | -40.54 % | 17.2 | 1.3 - Strong Buy |
| ALNY | Alnylam Pharmaceuticals, Inc. | 165.04 | +5.36 % | 1.8× | 4 M | 22.1 mil M | -64.16 % | -65.60 % | 15.2 | 1.8 - Buy |
| VEON | VEON Ltd. | 79.17 | +5.35 % | 0.8× | 0 M | 5.5 mil M | +63.04 % | -11.04 % | 9.3 | 1.0 - Strong Buy |
| CPRI | Capri Holdings Limited | 21.46 | +5.30 % | 0.8× | 3 M | 2.2 mil M | -1.11 % | -24.09 % | 8.5 | 2.2 - Buy |
| U | Unity Software Inc. | 52.81 | +5.24 % | 1.1× | 12 M | 23.4 mil M | +44.01 % | -2.68 % | 20.0 | 1.4 - Strong Buy |
| STUB | StubHub Holdings, Inc. | 5.31 | +5.15 % | 1.3× | 8 M | 2.0 mil M | -58.58 % | -68.07 % | 9.4 | 1.9 - Buy |
| MH | McGraw Hill, Inc. | 11.60 | +5.07 % | 1.6× | 1 M | 2.2 mil M | -24.03 % | -35.56 % | 5.9 | 1.4 - Strong Buy |
| DUOL | Duolingo, Inc. | 165.31 | +5.01 % | 0.8× | 1 M | 7.8 mil M | -7.27 % | -22.52 % | 21.2 | 2.6 - Hold |
| COLD | Americold Realty Trust, Inc. | 16.69 | +4.97 % | 1.6× | 6 M | 4.8 mil M | +53.40 % | -1.13 % | -139.1 | 2.3 - Buy |
| KTB | Kontoor Brands, Inc. | 81.56 | +4.89 % | 0.7× | 1 M | 4.5 mil M | +16.55 % | -8.32 % | 12.3 | 1.8 - Buy |
| RYTM | Rhythm Pharmaceuticals, Inc. | 115.02 | +4.70 % | 1.1× | 1 M | 8.0 mil M | +14.23 % | -5.88 % | -88.6 | 1.5 - Strong Buy |
| FRPT | Freshpet, Inc. | 67.51 | +4.46 % | 1.0× | 1 M | 3.3 mil M | +28.01 % | -21.50 % | 34.2 | 1.7 - Buy |
| BULL | Webull Corporation | 5.18 | +4.44 % | 0.7× | 11 M | 2.8 mil M | -36.44 % | -50.05 % | 16.7 | 1.3 - Strong Buy |

| | |
|---|---|
| WHAT IT IS FOR | The day's lists: top gainers, top losers, most traded and more. |
| HOW TO READ IT | Table with last, change, relative volume, volume, market cap, 52-week range, forward P/E and analysts. Sort by any column; double-click opens the description. |
| DATA | Yahoo Finance (same in Lite and Pro). |
| LIMITS | U.S. market only. For Colombia use BVC. |

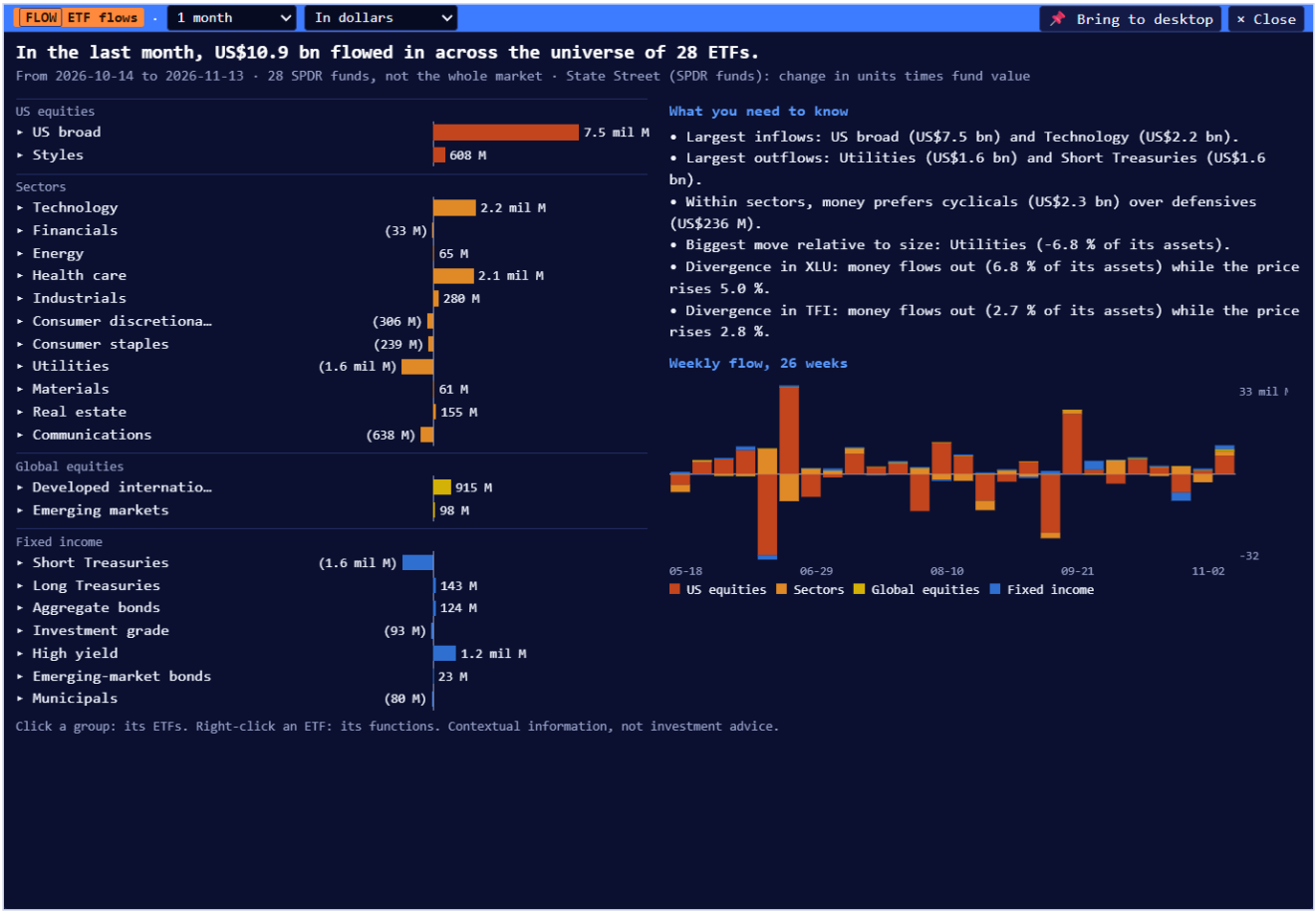
# EQS Stock screener




| Ticker | Name | Sector | Last | Day % ▼ | 5 days % | 1 month % | Year % | vs 52w high % | RSI 14 | Rel. vol. | 50/200 moving averages |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CHTR | Charter Communications | Communication Services | 138.39 | +4.32 | +17.21 | +25.82 | -33.71 | -44.24 | 67 | 1.0 | ▲ ▼ |
| STE | Steris | Health Care | 264.32 | +4.29 | +4.76 | +17.83 | +4.26 | -1.61 | 76 | 1.2 | ▲ ▲ |
| GPN | Global Payments | Financials | 91.90 | +4.21 | -5.65 | +9.18 | +18.73 | -9.54 | 52 | 0.7 | ▲ ▲ |
| FIS | Fidelity National Infor… | Financials | 29.54 | +4.16 | +2.82 | -18.24 | -55.55 | -56.26 | 38 | 0.8 | ▼ ▼ |
| FOXA | Fox Corporation (Class … | Communication Services | 68.42 | +4.12 | +2.67 | +6.94 | -6.36 | -10.10 | 57 | 0.7 | ▲ ▲ |
| FOX | Fox Corporation (Class … | Communication Services | 61.11 | +4.09 | +2.71 | +6.95 | -5.88 | -9.81 | 58 | 0.5 | ▲ ▲ |
| APP | AppLovin | Communication Services | 409.10 | +3.92 | +4.57 | +46.48 | -39.29 | -44.23 | 73 | 0.6 | ▲ ▲ |
| TPL | Texas Pacific Land Corp… | Energy | 291.91 | +3.82 | +7.18 | -15.76 | +1.63 | -45.92 | 38 | 1.0 | ▼ ▼ |
| FISV | Fiserv | Financials | 63.78 | +3.71 | +1.43 | +35.10 | -5.05 | -8.69 | 75 | 0.9 | ▲ ▲ |
| ABNB | Airbnb | Consumer Discretionary | 186.78 | +3.12 | -1.69 | +7.17 | +37.62 | -1.95 | 61 | 1.1 | ▲ ▲ |
| HAL | Halliburton | Energy | 33.78 | +3.11 | +6.09 | +2.71 | +19.53 | -21.41 | 52 | 0.8 | ▲ ▼ |
| WDAY | Workday, Inc. | Information Technology | 196.45 | +3.05 | +1.84 | -0.09 | -8.53 | -15.94 | 51 | 0.8 | ▲ ▲ |
| META | Meta Platforms | Communication Services | 641.69 | +2.90 | +5.17 | -12.90 | -2.79 | -17.48 | 48 | 0.6 | ▼ ▲ |
| CSGP | CoStar Group | Real Estate | 30.96 | +2.86 | +1.34 | -3.25 | -53.96 | -55.26 | 51 | 0.5 | ▲ ▼ |
| XYZ | Block, Inc. | Financials | 84.58 | +2.82 | -1.05 | +5.95 | +29.94 | -4.49 | 57 | 0.7 | ▲ ▲ |
| COR | Cencora | Health Care | 359.03 | +2.76 | +7.64 | +5.16 | +6.30 | -4.19 | 66 | 1.0 | ▲ ▲ |
| ADM | Archer Daniels Midland | Consumer Staples | 72.90 | +2.72 | +4.19 | -12.09 | +26.80 | -17.24 | 40 | 1.6 | ▼ ▼ |
| AXON | Axon Enterprise | Industrials | 315.43 | +2.71 | +0.78 | -24.39 | -44.46 | -51.15 | 30 | 0.8 | ▼ ▼ |
| DECK | Deckers Brands | Consumer Discretionary | 86.82 | +2.71 | +0.13 | +0.28 | -16.25 | -28.21 | 53 | 0.7 | ▲ ▼ |
| LVS | Las Vegas Sands | Consumer Discretionary | 40.39 | +2.70 | -0.83 | +5.40 | -37.95 | -41.88 | 59 | 0.7 | ▲ ▼ |
| NWSA | News Corp (Class A) | Communication Services | 26.97 | +2.66 | +2.20 | -10.75 | +3.25 | -13.53 | 39 | 0.9 | ▼ ▲ |
| KDP | Keurig Dr Pepper | Consumer Staples | 36.34 | +2.60 | -0.79 | +6.32 | +29.74 | -4.99 | 56 | 3.1 | ▲ ▲ |
| KHC | Kraft Heinz | Consumer Staples | 25.11 | +2.57 | +2.03 | +7.86 | +3.55 | -9.09 | 59 | 1.3 | ▲ ▲ |
| ROL | Rollins, Inc. | Industrials | 38.88 | +2.56 | +2.45 | +14.72 | -35.22 | -40.73 | 67 | 0.7 | ▲ ▼ |
| DPZ | Domino's | Consumer Discretionary | 341.72 | +2.55 | +2.23 | +12.75 | -18.02 | -22.06 | 66 | 1.1 | ▲ ▲ |
| NWS | News Corp (Class B) | Communication Services | 29.89 | +2.47 | +3.21 | -9.59 | +0.88 | -15.37 | 41 | 0.8 | ▼ ▼ |
| WYNN | Wynn Resorts | Consumer Discretionary | 85.06 | +2.46 | +2.35 | +10.51 | -29.31 | -36.09 | 59 | 0.7 | ▲ ▼ |
| MCK | McKesson | Health Care | 1,102.81 | +2.39 | +3.96 | +10.43 | +34.44 | 0.00 | 75 | 0.7 | ▲ ▲ |
| GEN | Gen Digital | Information Technology | 30.40 | +2.39 | +2.05 | +22.48 | +11.81 | -3.22 | 66 | 0.7 | ▲ ▲ |
| GIS | General Mills | Consumer Staples | 34.32 | +2.39 | -3.35 | +4.38 | -26.19 | -29.97 | 50 | 0.8 | ▲ ▼ |
| DXCM | Dexcom | Health Care | 83.33 | +2.38 | +4.94 | -4.99 | +25.55 | -9.76 | 51 | 0.6 | ▼ ▲ |

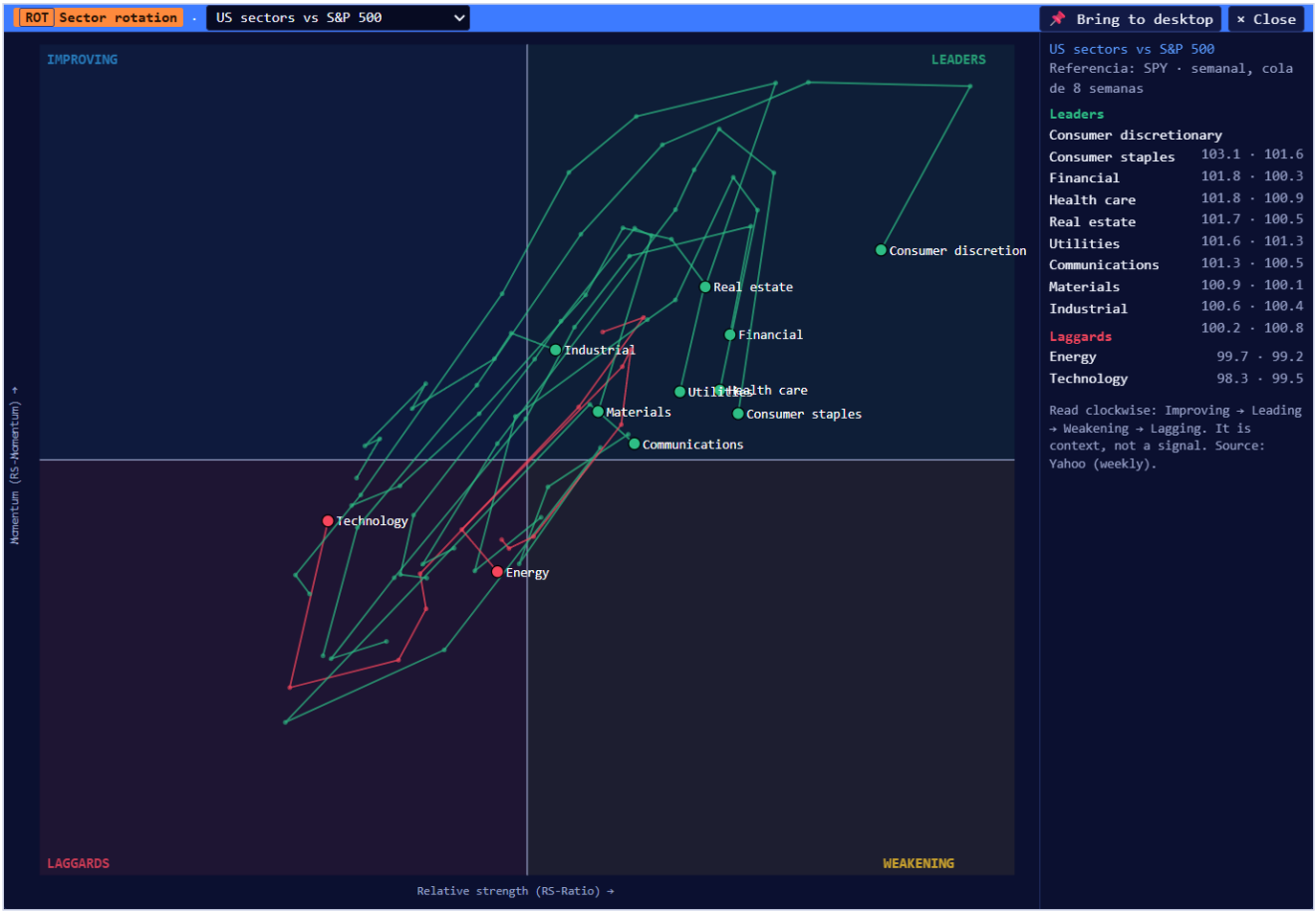
| | |
|---|---|
| WHAT IT IS FOR | Filter S&P 500, Nasdaq-100 or Dow stocks by move, trend, RSI or volume. |
| HOW TO READ IT | Columns for last, day, 5 days, month, year, distance from the 52-week high, 14-day RSI, relative volume and position against the 50- and 200-day averages. Ready-made filters: top gainers and losers, near highs or lows, extreme RSI, heavy volume, uptrend. Click to open the chart. |
| DATA | Lite: Yahoo Finance (metrics computed on your computer). Pro: Bloomberg. |
| LIMITS | Lite is delayed and has no "Other index" option. Up to 300 rows. |

# FLOW ETF flows




| | |
|---|---|
| WHAT IT IS FOR | See where the money is going: which ETF groups take in money and which see outflows. |
| HOW TO READ IT | Bars by group (broad U.S., styles, sectors, global, fixed income…): green to the right is inflow, red to the left is outflow, in dollars or as % of assets. Click a group to see its ETFs. Weekly flow and a written reading below. |
| DATA | Lite: State Street's public files (SPDR funds). Pro: Bloomberg fund flows over a wider universe. |
| LIMITS | It is an ETF universe, not the whole market. In the Lite only SPDR funds are included, so some groups come out empty. The first request can take up to a minute. |

# ROT Sector rotation



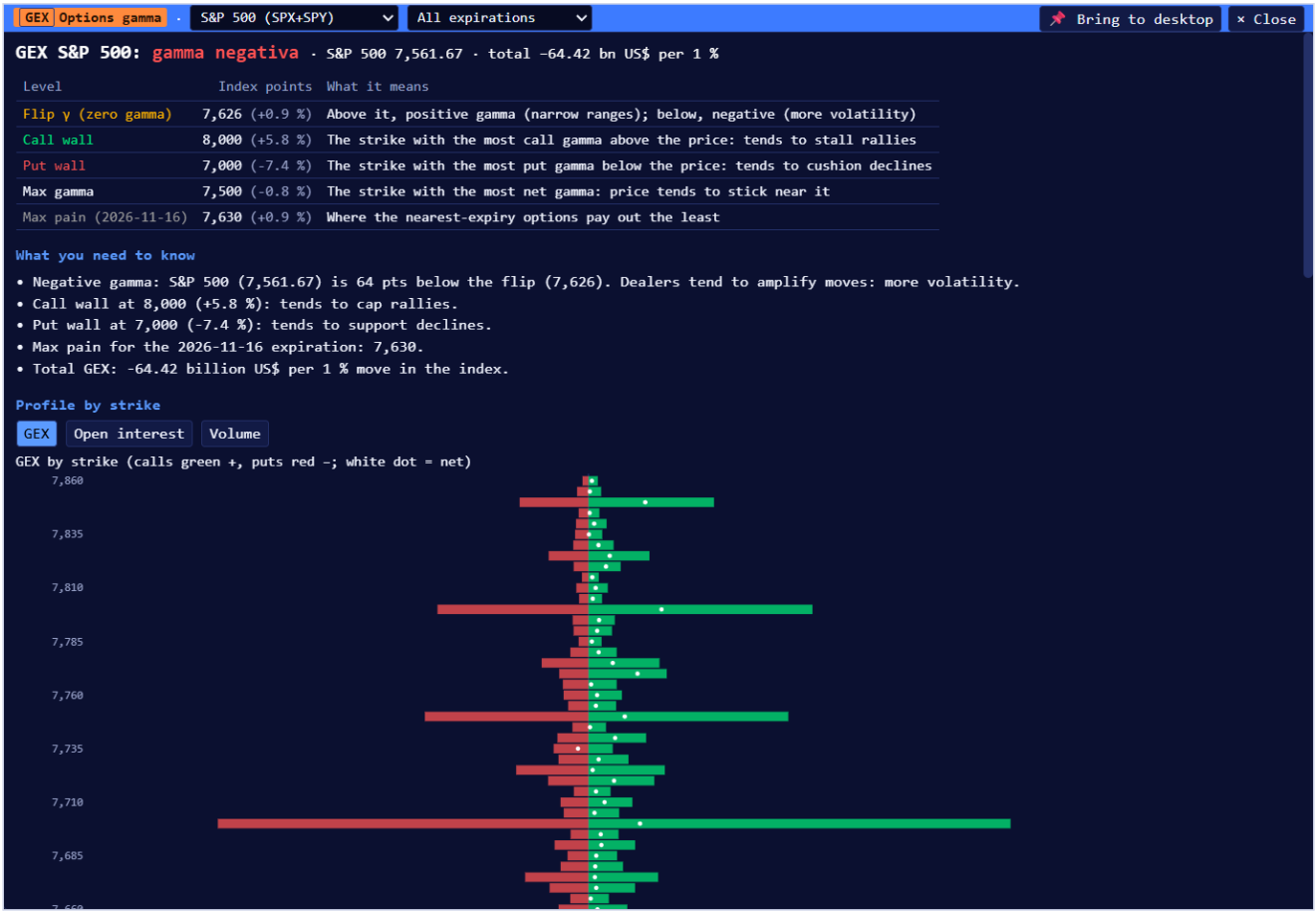

| | |
|---|---|
| WHAT IT IS FOR | See which sectors (or countries, or Colombian stocks) are gaining or losing strength against the market. |
| HOW TO READ IT | Horizontal axis: relative strength; vertical axis: momentum; each point leaves an 8-week tail. Quadrants: Leading, Weakening, Lagging and Improving, traveled clockwise. |
| DATA | Weekly Yahoo Finance data (same in Lite and Pro). |
| LIMITS | An open approximation of the relative rotation graph; the original method is proprietary. Context, not a signal. |

# CRYP Crypto in real time



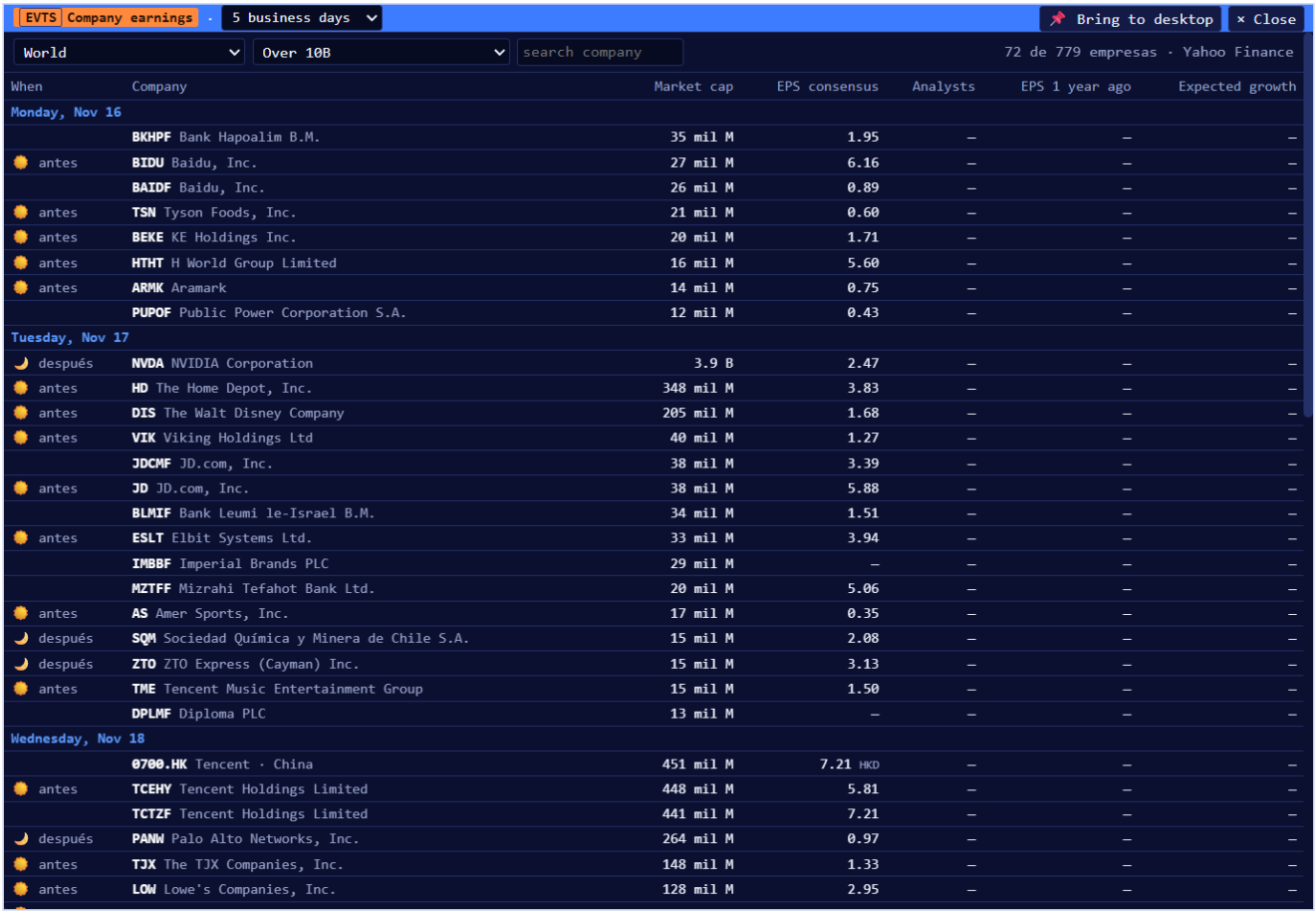

| | |
|---|---|
| WHAT IT IS FOR | The main cryptocurrencies in real time. |
| HOW TO READ IT | Per coin: price that flashes on change, 24-hour %, high, low, volume and 7-day sparkline. BTC and ETH dominance and total market cap at the top. |
| DATA | Binance and CoinGecko, directly from your computer (same in Lite and Pro). |
| LIMITS | If your network cannot reach Binance, the panel says so. |

# GEX Options GEX




| | |
|---|---|
| WHAT IT IS FOR | See where options levels may slow down or speed up the market (S&P 500, Nasdaq 100, Russell 2000 and Dow). |
| HOW TO READ IT | The regime is at the top: with positive gamma dealers tend to dampen moves; with negative gamma, to amplify them. Levels: flip (zero gamma), call wall, put wall, max gamma and max pain. Below: the written reading, the profile by strike, the GEX curve against index level and a strike × expiry heat map. |
| DATA | Cboe's public chain, 15-minute delay (same in Lite and Pro). |
| LIMITS | U.S. indices only. It assumes dealers are long calls and short puts: a standard approximation, not a known position. |

# EVTS Earnings calendar




| When | Company | Market cap | EPS consensus | Analysts | EPS 1 year ago | Expected growth |
|---|---|---|---|---|---|---|
| **Monday, Nov 16** | | | | | | |
| | **BKHPF** Bank Hapoalim B.M. | 35 mil M | 1.95 | – | – | – |
| antes | **BIDU** Baidu, Inc. | 27 mil M | 6.16 | – | – | – |
| | **BAIDF** Baidu, Inc. | 26 mil M | 0.89 | – | – | – |
| antes | **TSN** Tyson Foods, Inc. | 21 mil M | 0.60 | – | – | – |
| antes | **BEKE** KE Holdings Inc. | 20 mil M | 1.71 | – | – | – |
| antes | **HTHT** H World Group Limited | 16 mil M | 5.60 | – | – | – |
| antes | **ARMK** Aramark | 14 mil M | 0.75 | – | – | – |
| | **PUPOF** Public Power Corporation S.A. | 12 mil M | 0.43 | – | – | – |
| **Tuesday, Nov 17** | | | | | | |
| después | **NVDA** NVIDIA Corporation | 3.9 B | 2.47 | – | – | – |
| antes | **HD** The Home Depot, Inc. | 348 mil M | 3.83 | – | – | – |
| antes | **DIS** The Walt Disney Company | 205 mil M | 1.68 | – | – | – |
| antes | **VIK** Viking Holdings Ltd | 40 mil M | 1.27 | – | – | – |
| | **JDCMF** JD.com, Inc. | 38 mil M | 3.39 | – | – | – |
| antes | **JD** JD.com, Inc. | 38 mil M | 5.88 | – | – | – |
| | **BLMIF** Bank Leumi le-Israel B.M. | 34 mil M | 1.51 | – | – | – |
| antes | **ESLT** Elbit Systems Ltd. | 33 mil M | 3.94 | – | – | – |
| | **IMBBF** Imperial Brands PLC | 29 mil M | – | – | – | – |
| | **MZTFF** Mizrahi Tefahot Bank Ltd. | 20 mil M | 5.06 | – | – | – |
| antes | **AS** Amer Sports, Inc. | 17 mil M | 0.35 | – | – | – |
| después | **SQM** Sociedad Química y Minera de Chile S.A. | 15 mil M | 2.08 | – | – | – |
| después | **ZTO** ZTO Express (Cayman) Inc. | 15 mil M | 3.13 | – | – | – |
| antes | **TME** Tencent Music Entertainment Group | 15 mil M | 1.50 | – | – | – |
| | **DPLMF** Diploma PLC | 13 mil M | – | – | – | – |
| **Wednesday, Nov 18** | | | | | | |
| | **0700.HK** Tencent · China | 451 mil M | 7.21 HKD | – | – | – |
| antes | **TCEHY** Tencent Holdings Limited | 448 mil M | 5.81 | – | – | – |
| | **TCTZF** Tencent Holdings Limited | 441 mil M | 7.21 | – | – | – |
| después | **PANW** Palo Alto Networks, Inc. | 264 mil M | 0.97 | – | – | – |
| antes | **TJX** The TJX Companies, Inc. | 148 mil M | 1.33 | – | – | – |
| antes | **LOW** Lowe's Companies, Inc. | 128 mil M | 2.95 | – | – | – |

| | |
|---|---|
| WHAT IT IS FOR | Which companies report each day and what the market expects. |
| HOW TO READ IT | By day: before or after the market, company, market cap, consensus EPS, number of analysts, EPS a year ago and expected growth. Universe and size filters. Click for the surprise history. |
| DATA | Yahoo Finance: earnings calendar for the U.S., large companies abroad and Colombia. |
| LIMITS | The surprise history exists only for U.S. companies. Yahoo does not provide the number of analysts or EPS a year ago, so those columns are empty. |

# EA Earnings season



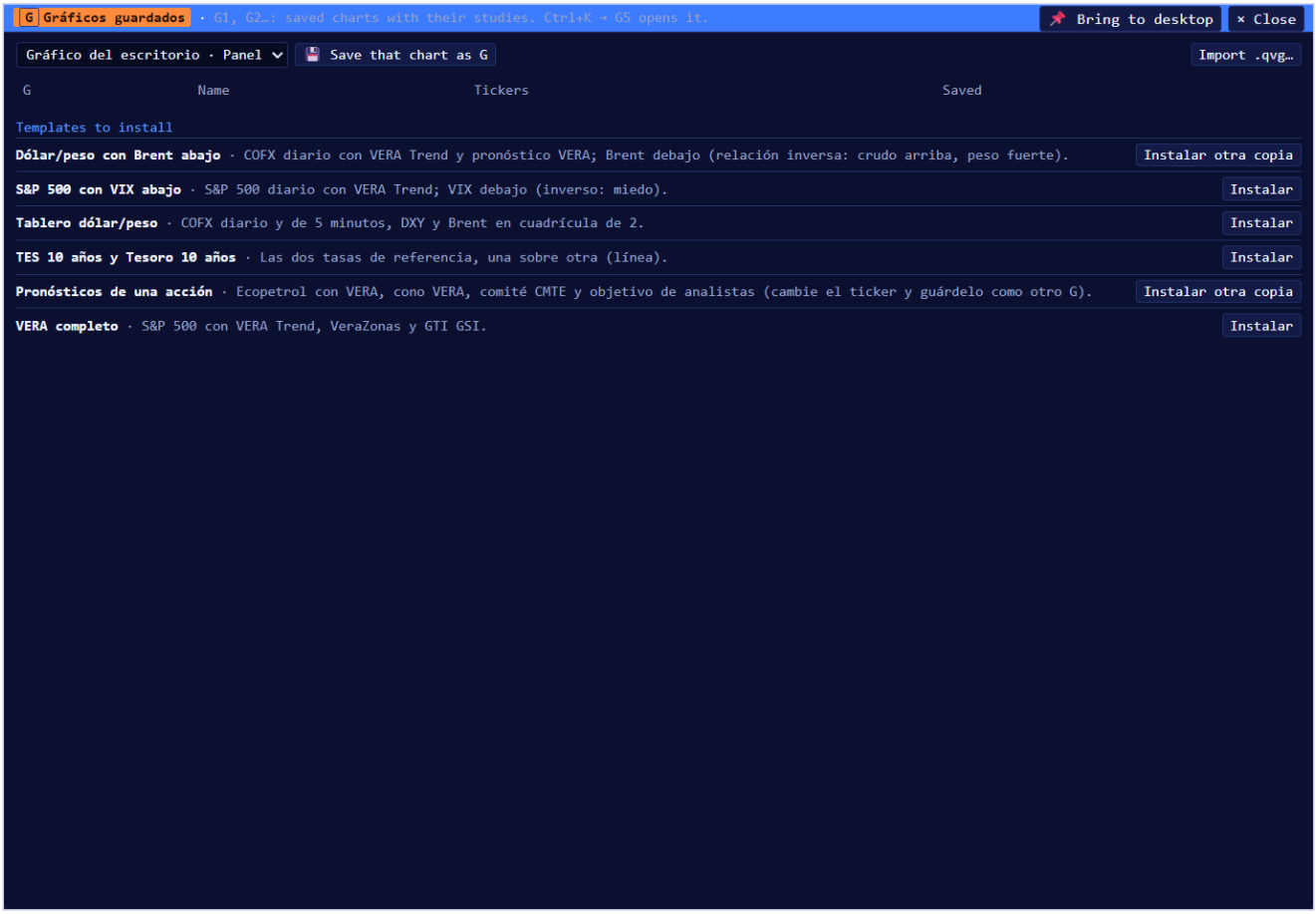

| | |
|---|---|
| WHAT IT IS FOR | How the S&P 500 earnings season is going, sector by sector. |
| HOW TO READ IT | By sector: how many companies have reported, % that beat consensus, aggregate EPS surprise and price reaction. Click a sector for its companies. Below: history by season and surprise against reaction. |
| DATA | Yahoo Finance (EPS, consensus and price) and the public S&P 500 list (same in Lite and Pro). |
| LIMITS | No revenue surprise (no public source). The first request takes one or two minutes. |

# FCTR Factor lab




| | |
|---|---|
| WHAT IT IS FOR | Measure which factors (momentum, low volatility, reversal…) have anticipated next month's return in a stock universe. |
| HOW TO READ IT | Per factor: mean correlation with the next return (IC), its t-stat, hit rate, IC over the last 12 months, the spread between top and bottom quintiles, and a verdict. \|t\| above 2 indicates significance. Below, the stocks ranked best and worst today by the factors that have worked. |
| DATA | Yahoo Finance, three years of adjusted prices (same in Lite and Pro). |
| LIMITS | A factor that worked can stop working. The first request takes up to a minute. |

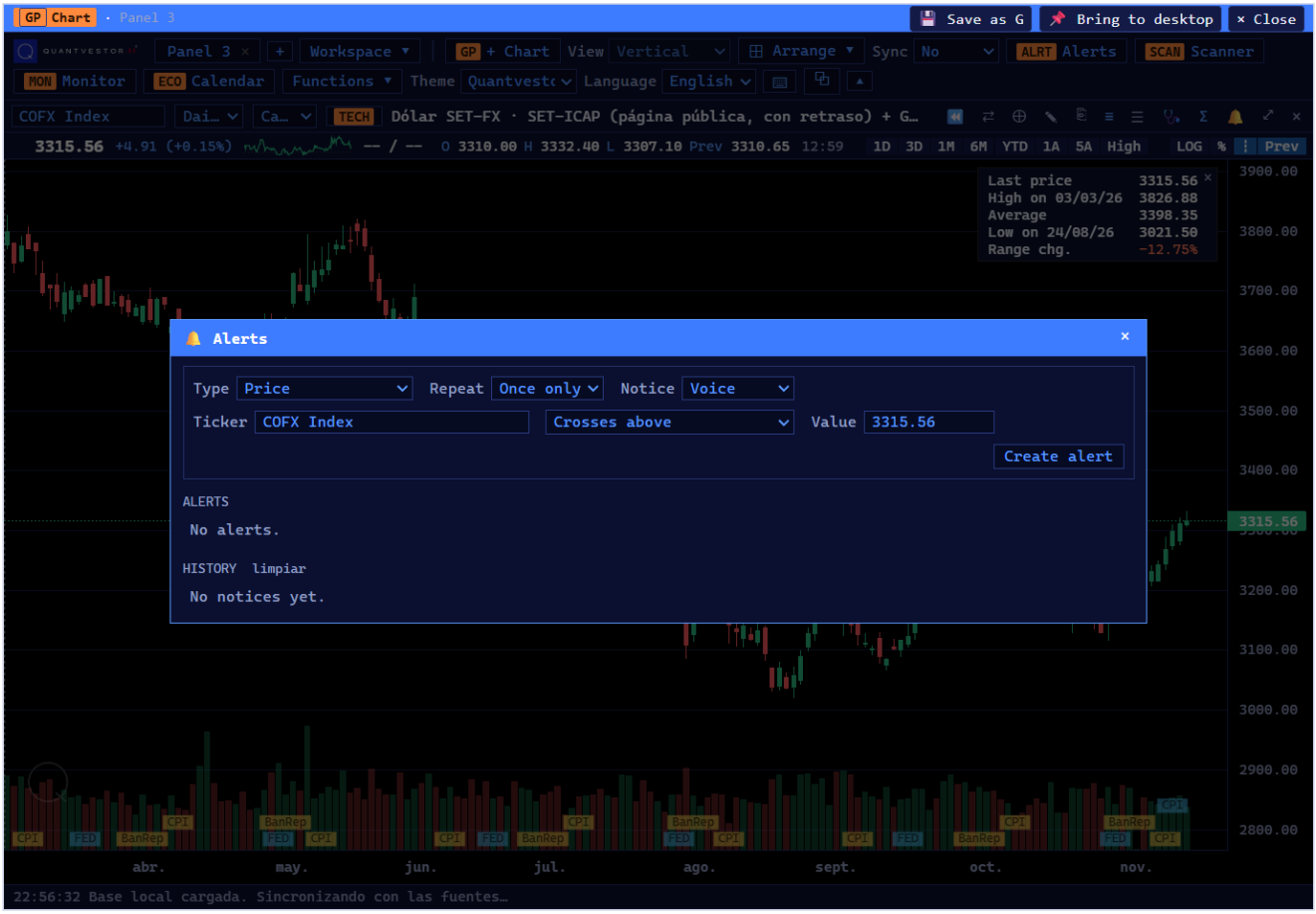
# G Saved charts




The test machine's saved charts were hidden; the templates to install remain.

| | |
|---|---|
| WHAT IT IS FOR | Save your finished charts (tickers, studies, lower panel and drawings) under a number, G1, G2..., and reopen them. |
| HOW TO READ IT | List of your Gs with name, tickers and date, with buttons to open, copy, rename, renumber, export and delete. Ready-made templates to install below. Type G5 in the command line to open number 5. |
| DATA | Stored on your computer and shared by Charts and Terminal, Lite and Pro. |
| LIMITS | A G with studies or tickers that do not exist in that edition opens with everything else and tells you. |

# ALRT Alerts




| | |
|---|---|
| WHAT IT IS FOR | Create price alerts or study-signal alerts that sound even when you are in another window. |
| HOW TO READ IT | Pick ticker, condition (crosses above, crosses below, at or above, at or below, leaves range) and level, or a signal from a study on the chart; once or every time. Each alert is listed with its triggers and buttons to pause or delete; the history and the choice of voice or beep are below. |
| DATA | Compared against the prices the platform receives (Lite: public sources or your connection; Pro: Bloomberg). |
| LIMITS | Alerts fire while the platform is open. In the Lite prices may be delayed. For signal alerts, first add a study with signals to the chart. |

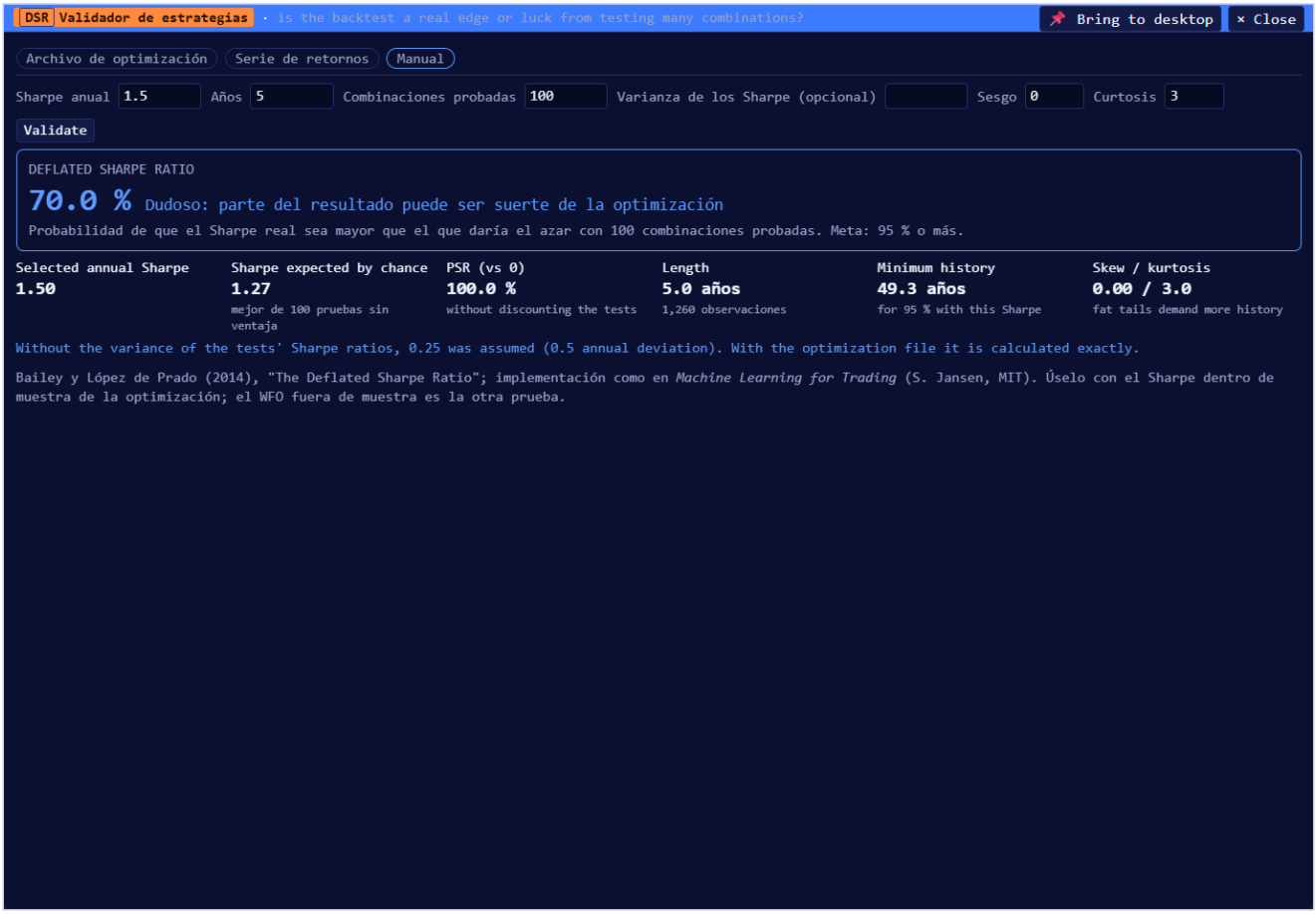
# SCAN Signal and forecast scanner




Scan of six tickers with Supertrend and VERA Trend on daily bars.

| | |
|---|---|
| WHAT IT IS FOR | Check many securities at once: which ones triggered a study signal, and what the indicator consensus says. |
| HOW TO READ IT | Signals mode: build the list, tick studies, interval and bars, and press Scan (or Real time to be alerted to each new signal). Forecast mode: % of indicators pointing up across several intervals, the path, the one-day cone and RSI. |
| DATA | Lite: public sources and your connections. Pro: Bloomberg. |
| LIMITS | In the Lite signals use delayed data. The consensus is context: the screen itself says it is not a trading rule. |

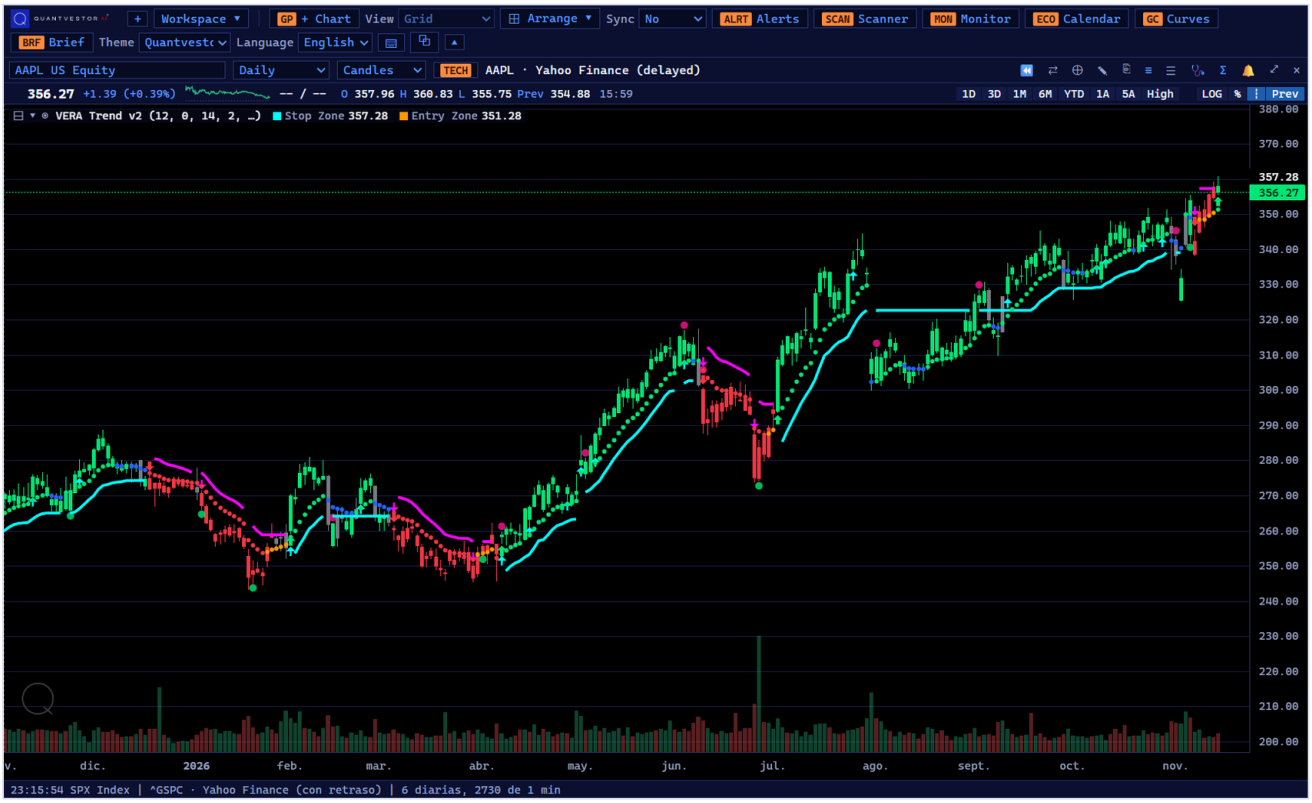
# DSR Strategy validator




| | |
|---|---|
| WHAT IT IS FOR | Tell whether a backtest shows a real edge or luck, discounting how many combinations were tried (Deflated Sharpe Ratio). |
| HOW TO READ IT | Three modes: optimization file, return series or manual. The result is the DSR in % (the goal is 95% or more), along with the chosen Sharpe, the Sharpe expected by chance, the PSR, the minimum track record and a histogram of the Sharpes tested. |
| DATA | Only your own files or numbers: no external source. |
| LIMITS | Needs your data (for example, an optimization export). The capture uses the manual mode's sample values. |

# 5. The chart (Charts)

Quantvestor Charts and the Terminal's GP function share the chart. The ticker, interval and type (candles, bars or line) are at the top; to the right of that bar, the replay, compare, drawing, copy, legend, diagnostics, statistics, alerts, maximize and close buttons. The quote strip shows last price, change, the session sparkline and open, high, low and previous close; on the right, the ranges (1D to Max), LOG, %, separators and previous close.




Charts Lite: AAPL daily with VERA Trend v2.

- Mouse wheel: zoom in or out. Drag: move through time. Drag the price scale: stretch it; double-click: automatic scale.
- The TECH button (or fx) opens the study browser. Double-click a study in the legend to open its properties: parameters (including the interval it is computed on), colors and description.
- Right-click brings up alerts, properties, long-term forecasts and export.
- For bonds the chart shows the yield and changes are in basis points: a "bullish" study means the yield is rising.

# 6. Chart studies

One page per study, with its real capture in Charts Lite. None of them predicts on its own: they provide context and behave differently in trending and sideways markets. "Access" says whether the study is included, needs the indicator license, or also the order-flow connection.

| Study | Group | Access |
|---|---|---|
| **SMA (simple moving average)** | Moving averages and bands | Included |
| **EMA (exponential moving average)** | Moving averages and bands | Included |
| **WMA (weighted moving average)** | Moving averages and bands | Included |
| **HMA (Hull moving average)** | Moving averages and bands | Included |
| **Bollinger Bands** | Moving averages and bands | Included |
| **VWAP** | Moving averages and bands | Included |
| **MACD** | Momentum and oscillators | Included |
| **RSI** | Momentum and oscillators | Included |
| **Stochastic** | Momentum and oscillators | Included |
| **Stoch RSI** | Momentum and oscillators | Included |
| **Percent change** | Momentum and oscillators | Included |
| **ADX / DMI** | Trend and volatility | Included |
| **Supertrend** | Trend and volatility | Included |
| **Ichimoku Cloud** | Trend and volatility | Included |
| **ATR** | Trend and volatility | Included |
| **Elliott waves: zigzag** | Trend and volatility | VERA / GTI indicator license |
| **OBV (On Balance Volume)** | Volume | Included |
| **Traded-volume heat map** | Volume | Pro (Bloomberg ticks) |
| **VERA Trend v2** | VERA family | VERA / GTI indicator license |
| **VERA Trend + divergences** | VERA family | VERA / GTI indicator license |
| **VERA Bands** | VERA family | VERA / GTI indicator license |
| **VERA Ribbon** | VERA family | VERA / GTI indicator license |
| **VERA CvgDvg** | VERA family | VERA / GTI indicator license |
| **VERA Divergence + Bollinger** | VERA family | VERA / GTI indicator license |
| **VeraZonas (13 layers)** | VERA family | VERA / GTI indicator license |
| **VERA Compression** | VERA family | VERA / GTI indicator license |
| **VERA Value: Profile** | VERA family | VERA / GTI indicator license |
| **VERA Value: Boxes** | VERA family | VERA / GTI indicator license |
| **VERA Value: Candles** | VERA family | VERA / GTI indicator license |

| Study | Group | Access |
|---|---|---|
| **VERA Value: Bias** | VERA family | VERA / GTI indicator license |
| **Global Strength Indicator (GTI)** | GTI | VERA / GTI indicator license |
| **Ribbon Indicator (GTI)** | GTI | VERA / GTI indicator license |
| **Speed Moving Average (GTI)** | GTI | VERA / GTI indicator license |
| **Relevant S/R v3** | Support and resistance | VERA / GTI indicator license |
| **S/R + multi-timeframe RSI** | Support and resistance | VERA / GTI indicator license |
| **Cross levels** | Support and resistance | VERA / GTI indicator license |
| **VERA Forecast (cone)** | Forecasts | VERA / GTI indicator license |
| **Analyst target** | Forecasts | Included |
| **Long-term forecasts** | Forecasts | Included |
| **CMTE committee forecast** | Forecasts | Included |
| **GEX: options levels** | Options | VERA / GTI indicator license |
| **MGC: GEX in pesos** | Options | VERA / GTI indicator license |
| **MGC: premium or discount** | Options | VERA / GTI indicator license |
| **VERA Peso: dollar tension** | USD/COP | VERA / GTI indicator license |
| **VERA Peso: levels** | USD/COP | VERA / GTI indicator license |
| **VERA Peso: OTC strikes** | USD/COP | VERA / GTI indicator license |
| **Delta per candle** | Order flow | Indicator license + order-flow connection |
| **Delta Turnaround** | Order flow | Indicator license + order-flow connection |
| **Volume profile with delta** | Order flow | Indicator license + order-flow connection |
| **Imbalances** | Order flow | Indicator license + order-flow connection |
| **Absorption and initiative** | Order flow | Indicator license + order-flow connection |
| **Large trades** | Order flow | Indicator license + order-flow connection |
| **Time and sales** | Order flow | Indicator license + order-flow connection |
| **Tape speed** | Order flow | Indicator license + order-flow connection |
| **VERA Flow ES+NQ** | Order flow | Indicator license + order-flow connection |
| **VERA Where / Who / Time** | Order flow | Indicator license + order-flow connection |

# SMA (simple moving average)




SMA (simple moving average) on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Smooth price to see the trend. |
| HOW TO READ IT | Average of the last N closes. Price above a rising average: bullish bias. Reacts slowly. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Late at turning points. |
| ACCESS | Included |

# EMA (exponential moving average)




EMA (exponential moving average) on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Follow the trend with less lag than the simple average. |
| HOW TO READ IT | Weights recent prices more, so it reacts before the SMA, at the cost of more false signals. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Noisier in sideways markets. |
| ACCESS | Included |

# WMA (weighted moving average)




WMA (weighted moving average) on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | An average halfway between the simple and the exponential. |
| HOW TO READ IT | Weights rise linearly toward the latest price. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Like any average: it follows, it does not anticipate. |
| ACCESS | Included |

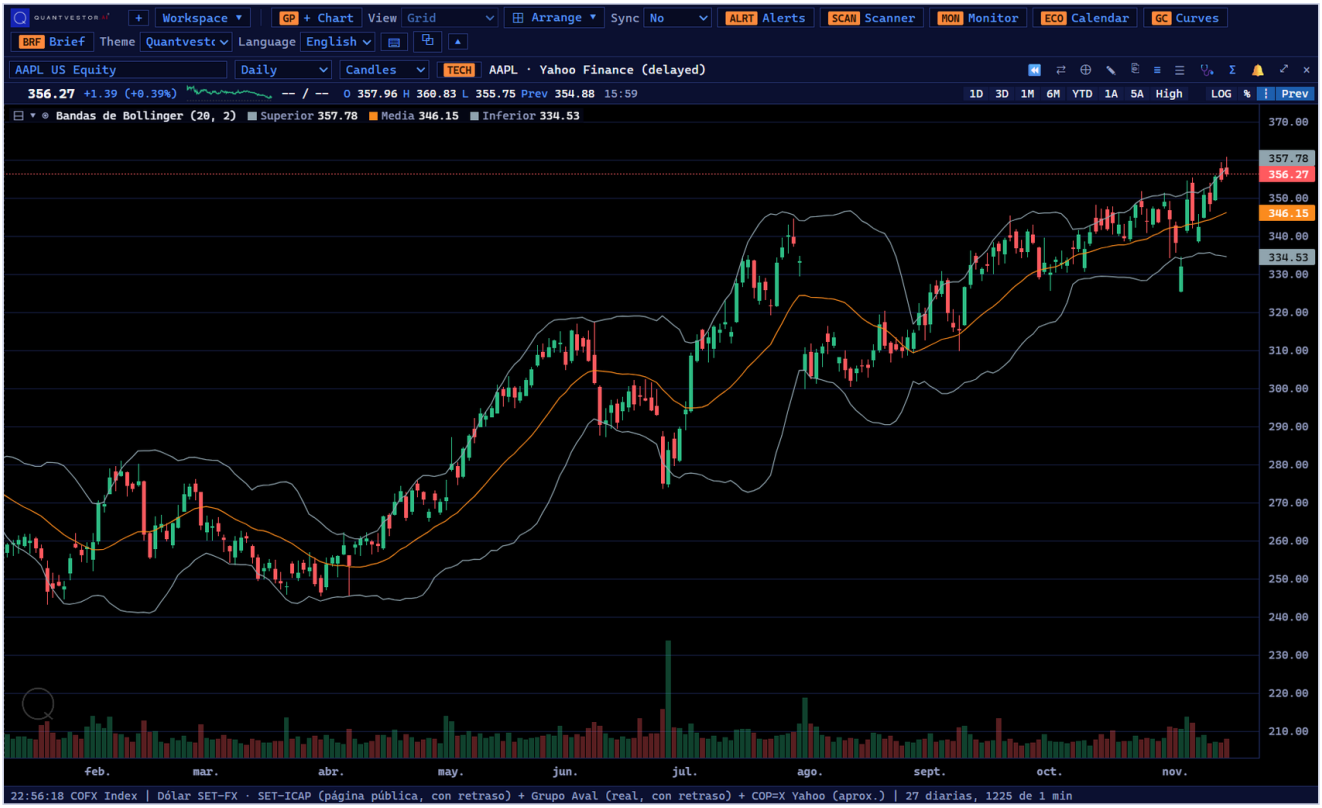
# HMA (Hull moving average)




HMA (Hull moving average) on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Spot trend turns early. |
| HOW TO READ IT | Very smooth with little lag; a change of slope marks the turn. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Overshoots on sharp moves. |
| ACCESS | Included |

# Bollinger Bands




Bollinger Bands on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Measure volatility around an average. |
| HOW TO READ IT | An N-period average with two bands at ±K standard deviations. Narrow bands mean a compressed market, often ahead of a move. Touching a band is not a reversal signal on its own. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | In a strong trend price can ride along one band. |
| ACCESS | Included |

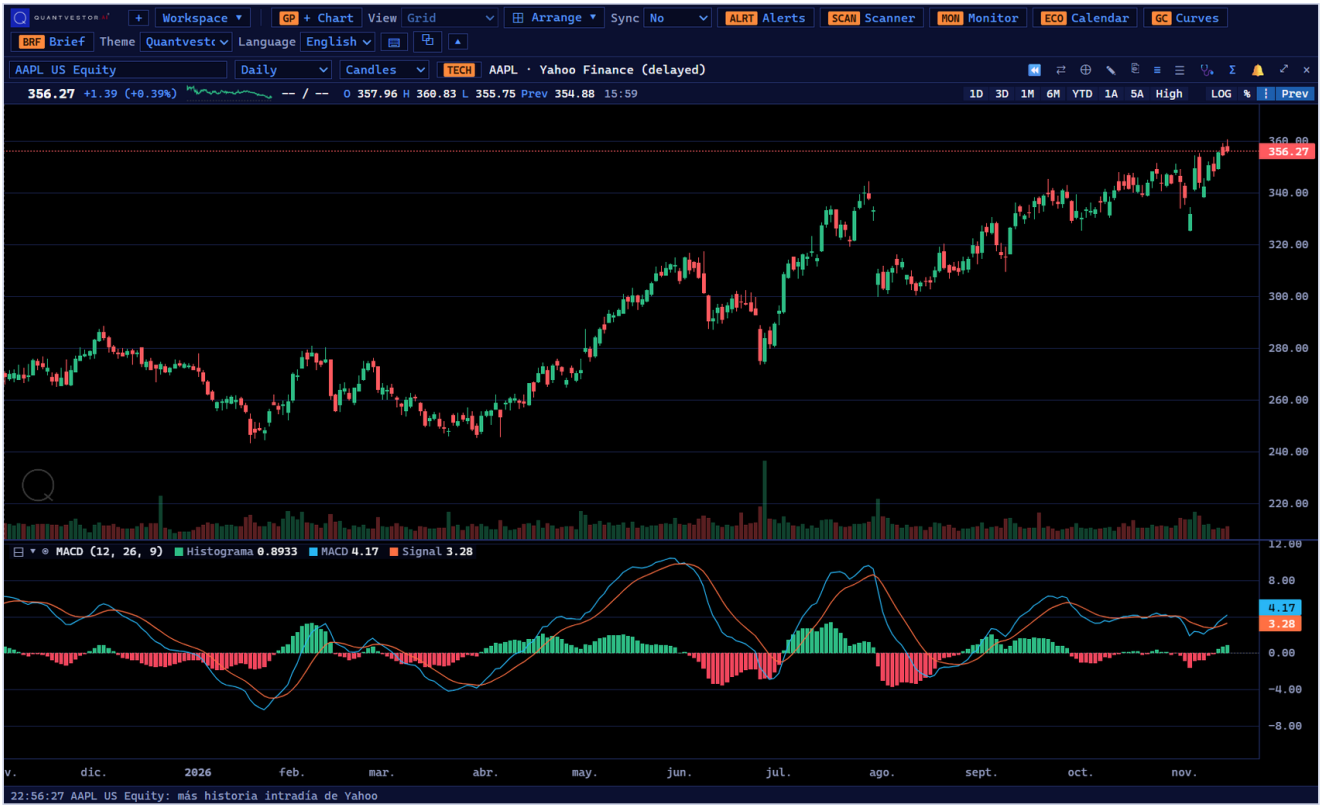
# VWAP




VWAP on AAPL 5-minute.

| | |
|---|---|
| WHAT IT IS FOR | The "fair" price reference for the session. |
| HOW TO READ IT | Volume-weighted average price, reset each day, week or month (or on the futures or New York session). It changes color with the trend. Above VWAP, the period's buyers are ahead. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Without volume it uses the simple average (TWAP). Meant for intraday. |
| ACCESS | Included |

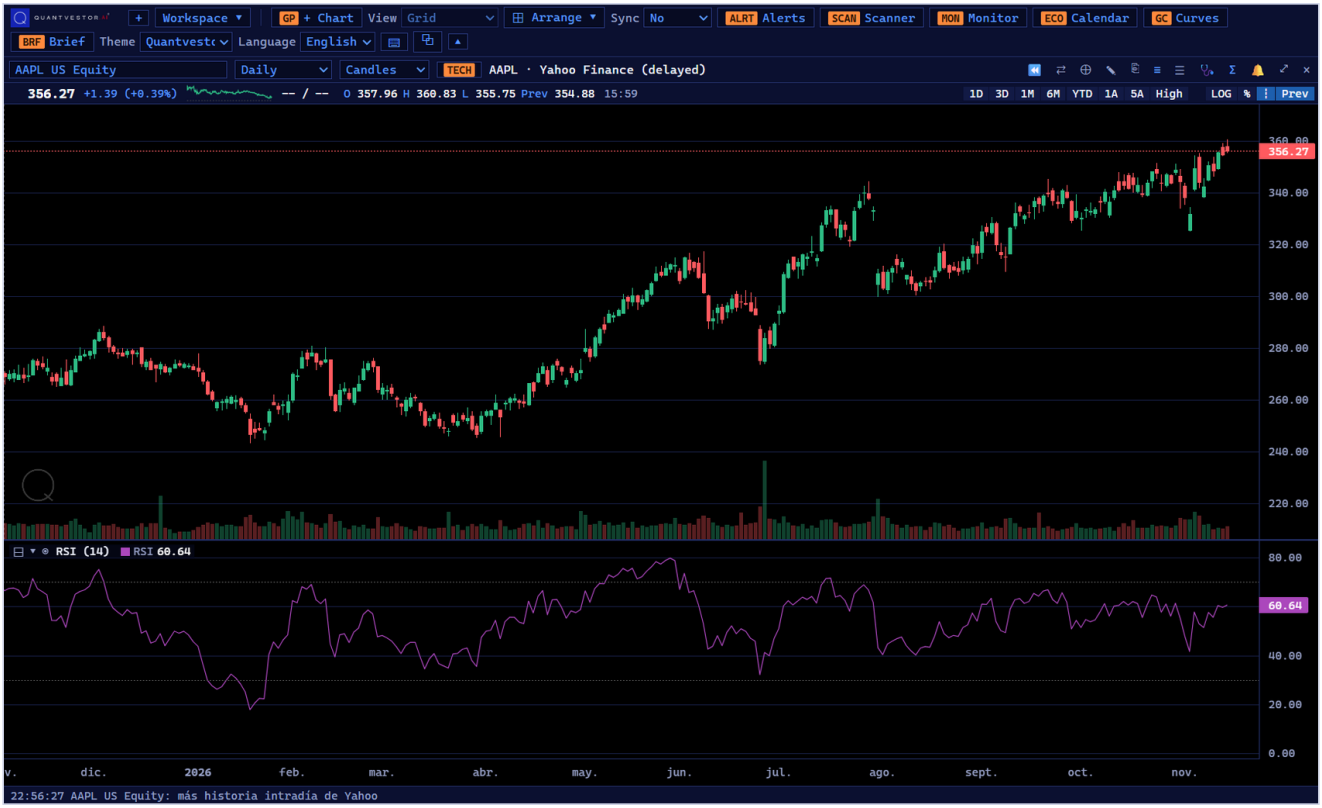
# MACD




MACD on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | See changes in momentum. |
| HOW TO READ IT | Difference between a fast and a slow EMA, its signal line and the histogram. A signal-line cross marks a change in momentum; a shrinking histogram means momentum is fading. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Late signals at fast turns. |
| ACCESS | Included |

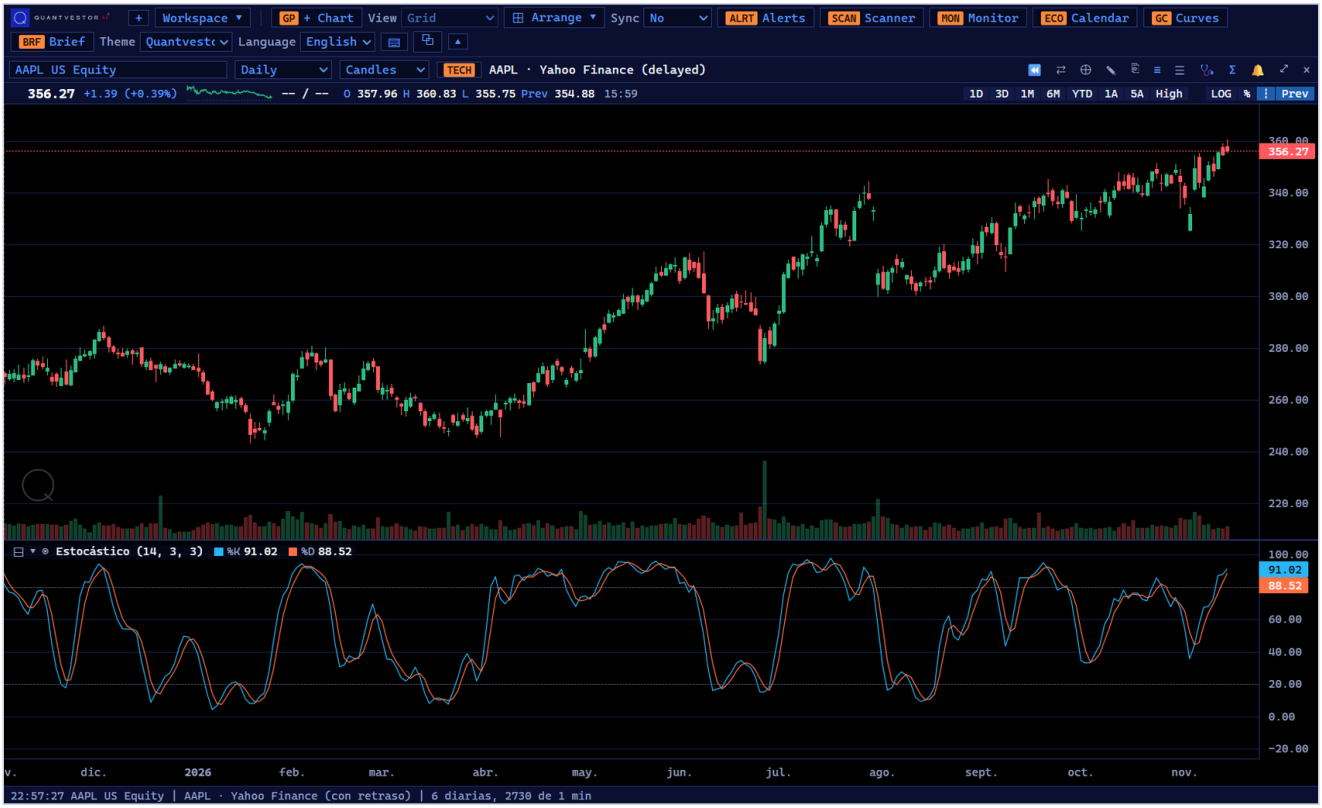
# RSI




RSI on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Measure the strength of up moves against down moves. |
| HOW TO READ IT | Oscillator from 0 to 100. Above 70 reads as overbought and below 30 as oversold. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | In a strong trend it can stay at extremes for a long time. |
| ACCESS | Included |

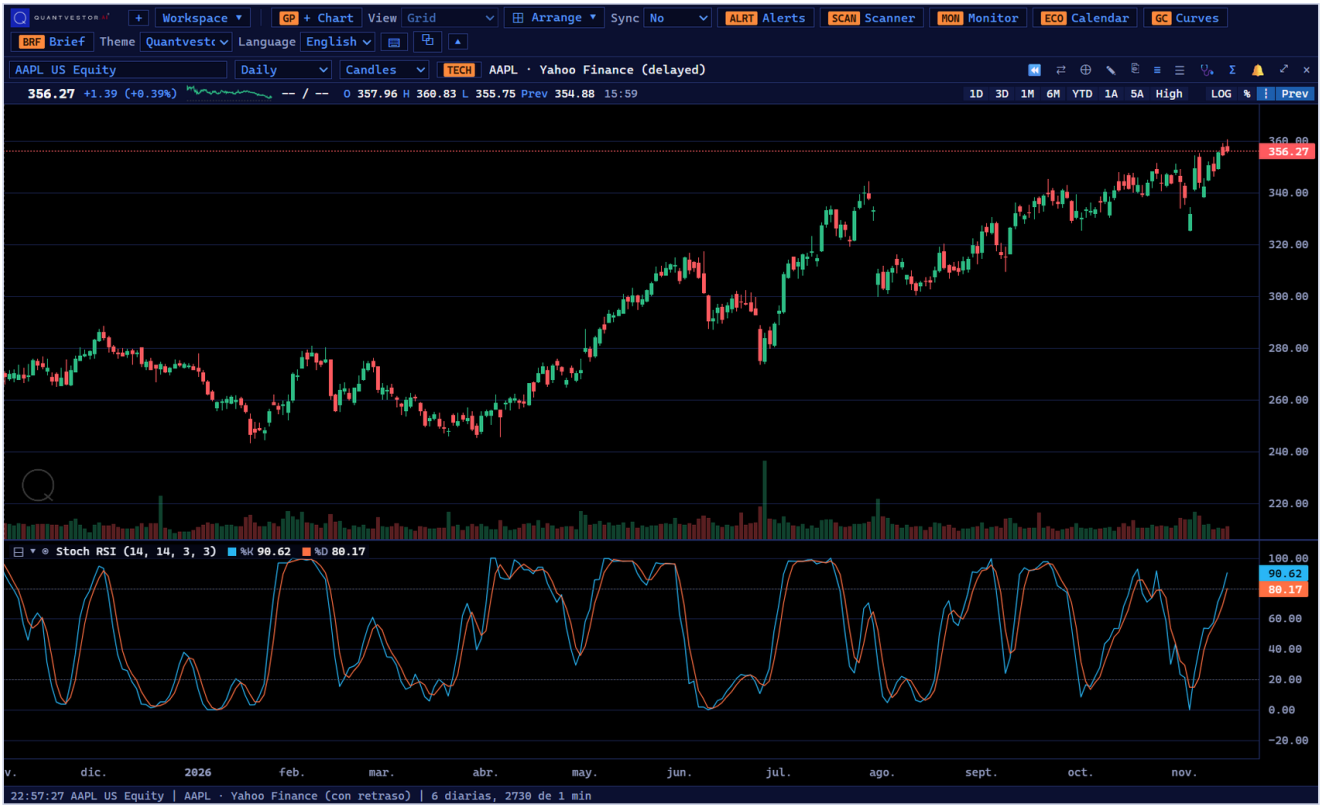
# Stochastic




Stochastic on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Locate the close within the recent range. |
| HOW TO READ IT | %K and its average %D, from 0 to 100. Above 80 overbought, below 20 oversold. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Faster and noisier than RSI. |
| ACCESS | Included |

# Stoch RSI




Stoch RSI on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | A very sensitive short-term oscillator. |
| HOW TO READ IT | Stochastic applied to RSI, with smoothed %K and %D. Above 80 overbought, below 20 oversold. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Swings from one extreme to the other often. |
| ACCESS | Included |

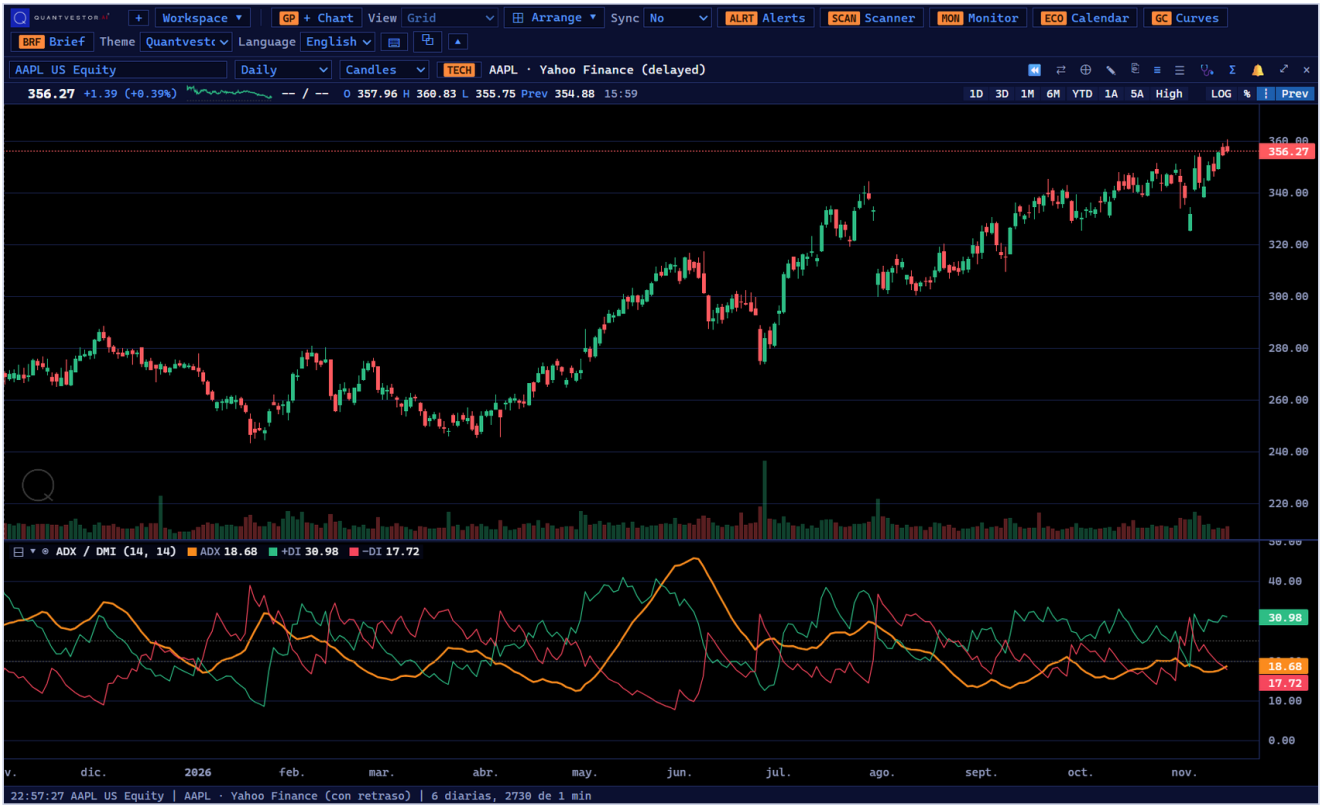
# Percent change




Percent change on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Compare the pace of change across securities. |
| HOW TO READ IT | Percent change against N bars ago (with 1, each bar's change). Green positive, red negative. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | No levels, just pace. |
| ACCESS | Included |

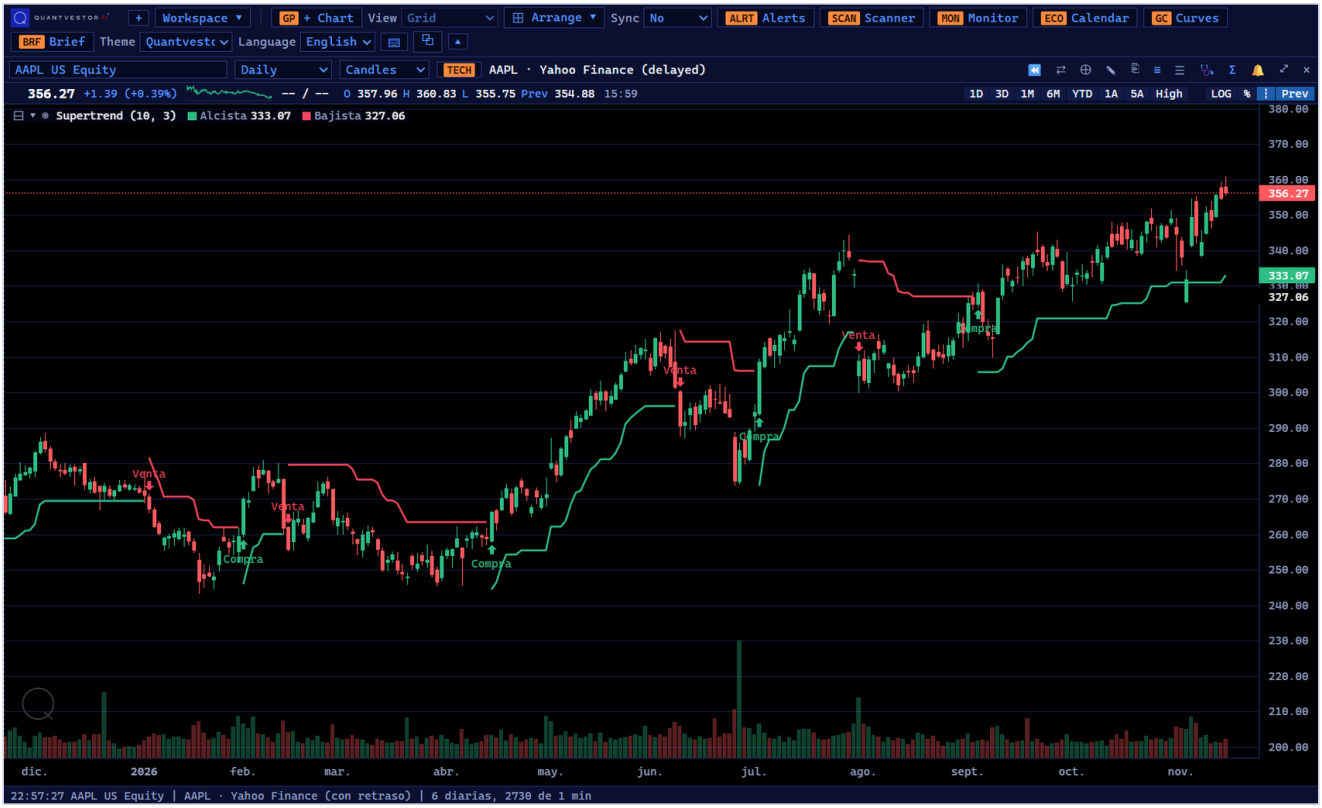
# ADX / DMI




ADX / DMI on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Know whether there is a trend and who is in control. |
| HOW TO READ IT | +DI and −DI measure buying and selling pressure; ADX measures trend strength regardless of direction. ADX above 20–25 is usually read as a trending market. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | It does not say which way: the DIs do. |
| ACCESS | Included |

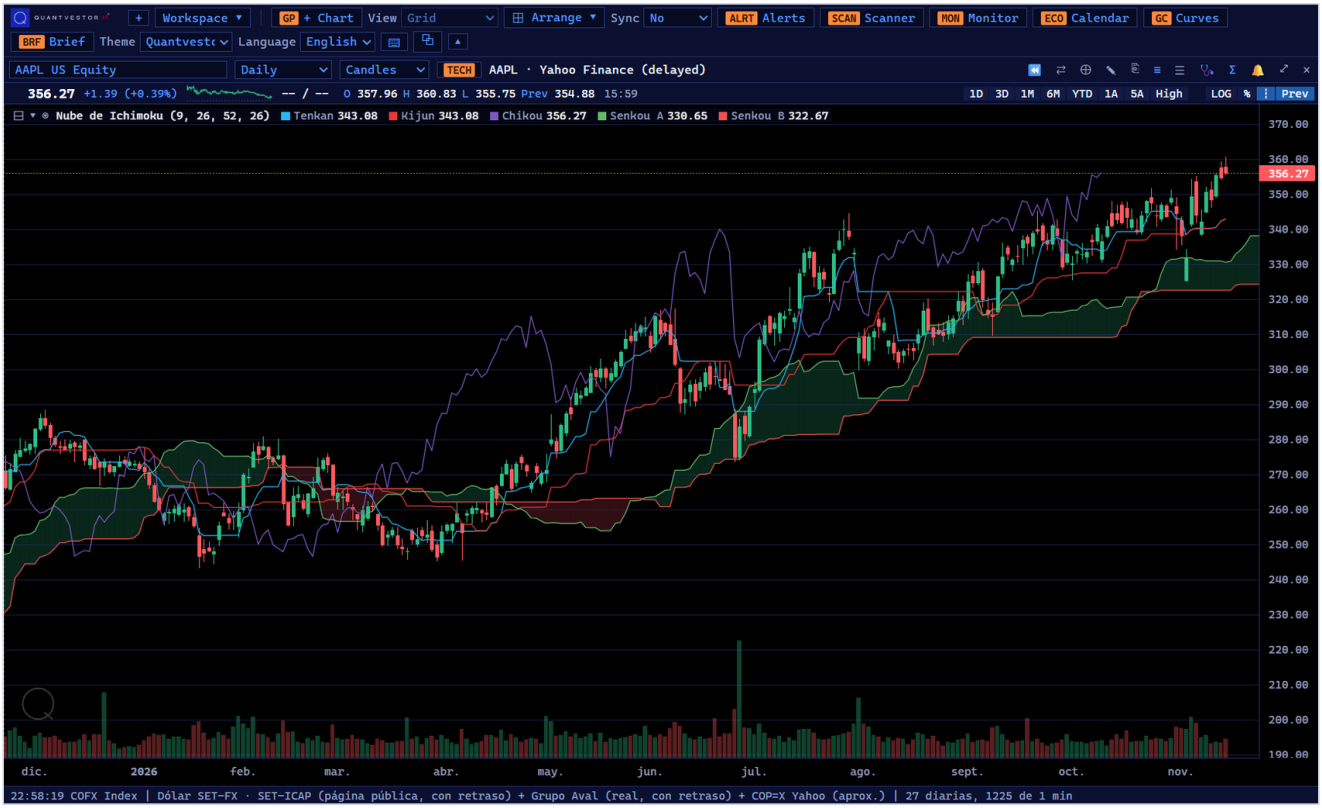
# Supertrend




Supertrend on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Follow the trend with a stop line. |
| HOW TO READ IT | A line set an ATR-based distance away: green below price in an uptrend, red above in a downtrend. Switching sides marks a buy or sell. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Whipsaws in ranges. |
| ACCESS | Included |

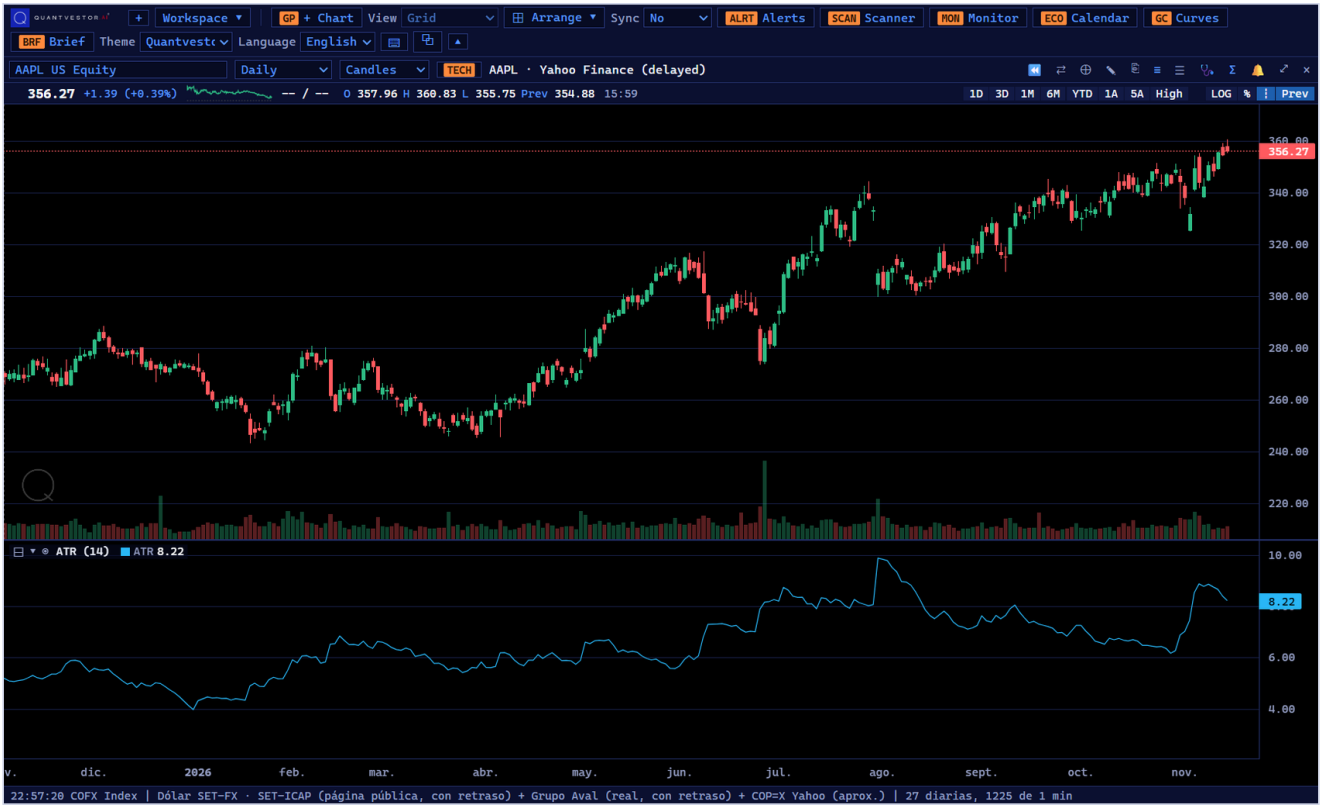
# Ichimoku Cloud




Ichimoku Cloud on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | See price balance across several horizons at once. |
| HOW TO READ IT | Tenkan, Kijun, the cloud projected forward and the Chikou. Price above the cloud: bullish bias; inside: undecided. A thick cloud is stronger support or resistance. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Many elements: best read on daily or weekly charts. |
| ACCESS | Included |

# ATR




ATR on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Measure how much the security moves per bar. |
| HOW TO READ IT | Average true range, including gaps between closes. Useful to size stops and the expected move. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | No direction. |
| ACCESS | Included |

# Elliott waves: zigzag




Elliott waves: zigzag on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | See the major price swings without the noise. |
| HOW TO READ IT | Connects swings larger than a threshold (automatic, ATR-based, by default). Green for up legs, red for down legs. The last leg is dotted because it can still change. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | First stage of a wave count: a visual reference, not a signal. |
| ACCESS | VERA / GTI indicator license |

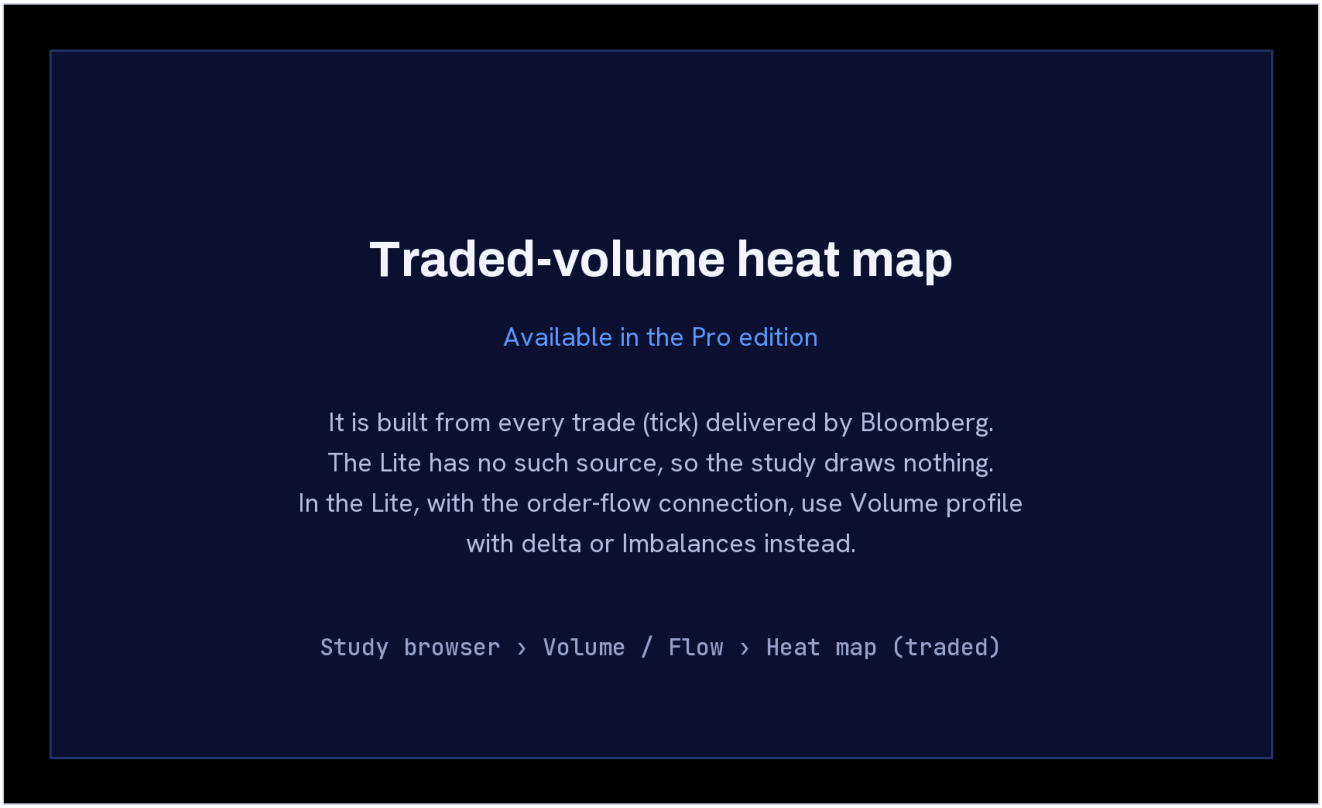
# OBV (On Balance Volume)




OBV (On Balance Volume) on AAPL daily.

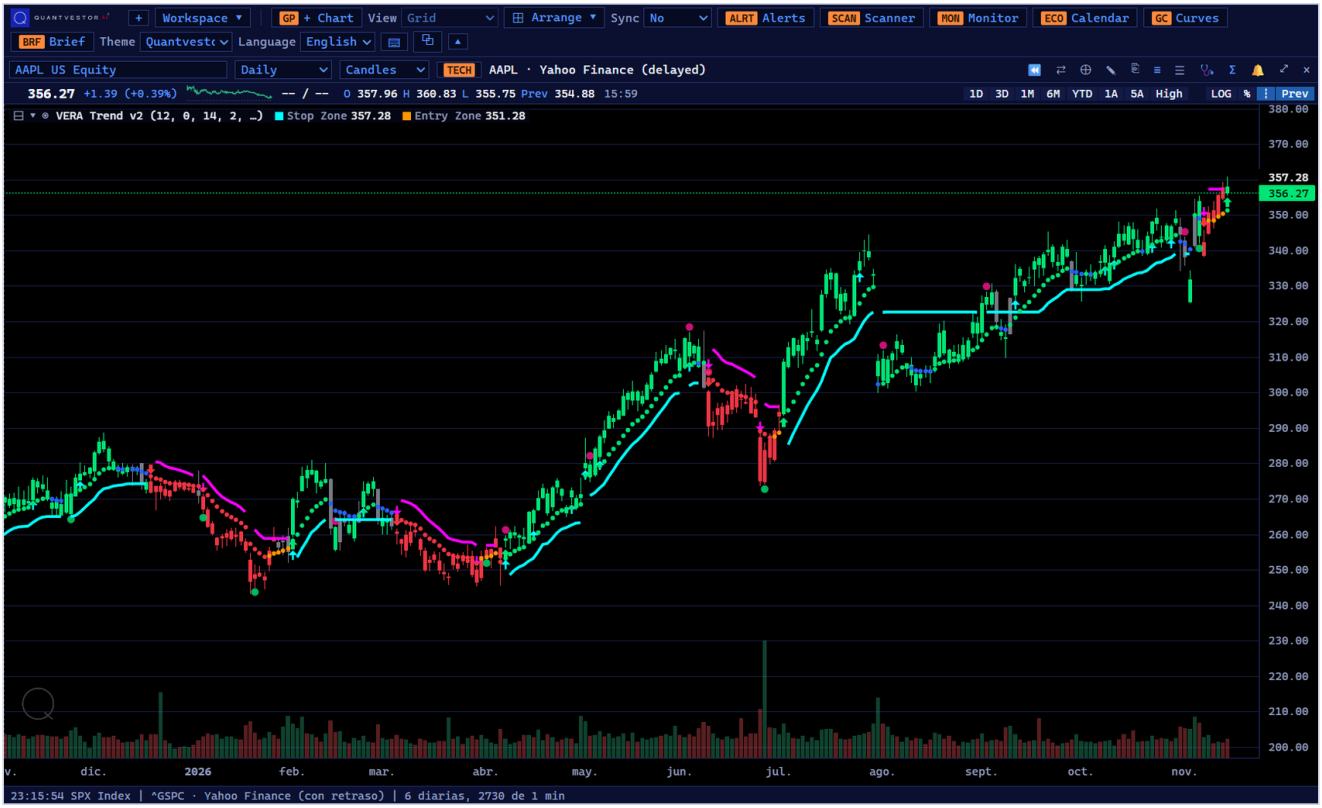
| | |
|---|---|
| WHAT IT IS FOR | See whether volume backs the price. |
| HOW TO READ IT | Adds volume on up bars and subtracts it on down bars. If price rises and OBV does not, the move has less support. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Flat for currencies and indices with no volume. |
| ACCESS | Included |

# Traded-volume heat map




| | |
|---|---|
| WHAT IT IS FOR | See at which prices trading was concentrated. |
| HOW TO READ IT | Each cell shades how much traded at that price and bar: the deeper, the more volume. |
| DATA | Every trade (tick) delivered by Bloomberg, stored on your computer. |
| LIMITS | Pro only: the Lite has no Bloomberg ticks, so the study draws nothing (the image explains it). It is not order-book depth. |
| ACCESS | Pro (Bloomberg ticks) |

# VERA Trend v2




VERA Trend v2 on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | A trend filter with its stop and entry zone. |
| HOW TO READ IT | A stop line, cyan (bullish) or magenta (bearish), that never moves back, an entry zone, trend-change arrows, re-entries, possible exhaustion and candles colored by trend. The legend shows the Stop Zone and Entry Zone levels. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Includes an anti-whipsaw filter for sideways markets; no trend tool fully avoids false switches. |
| ACCESS | VERA / GTI indicator license |

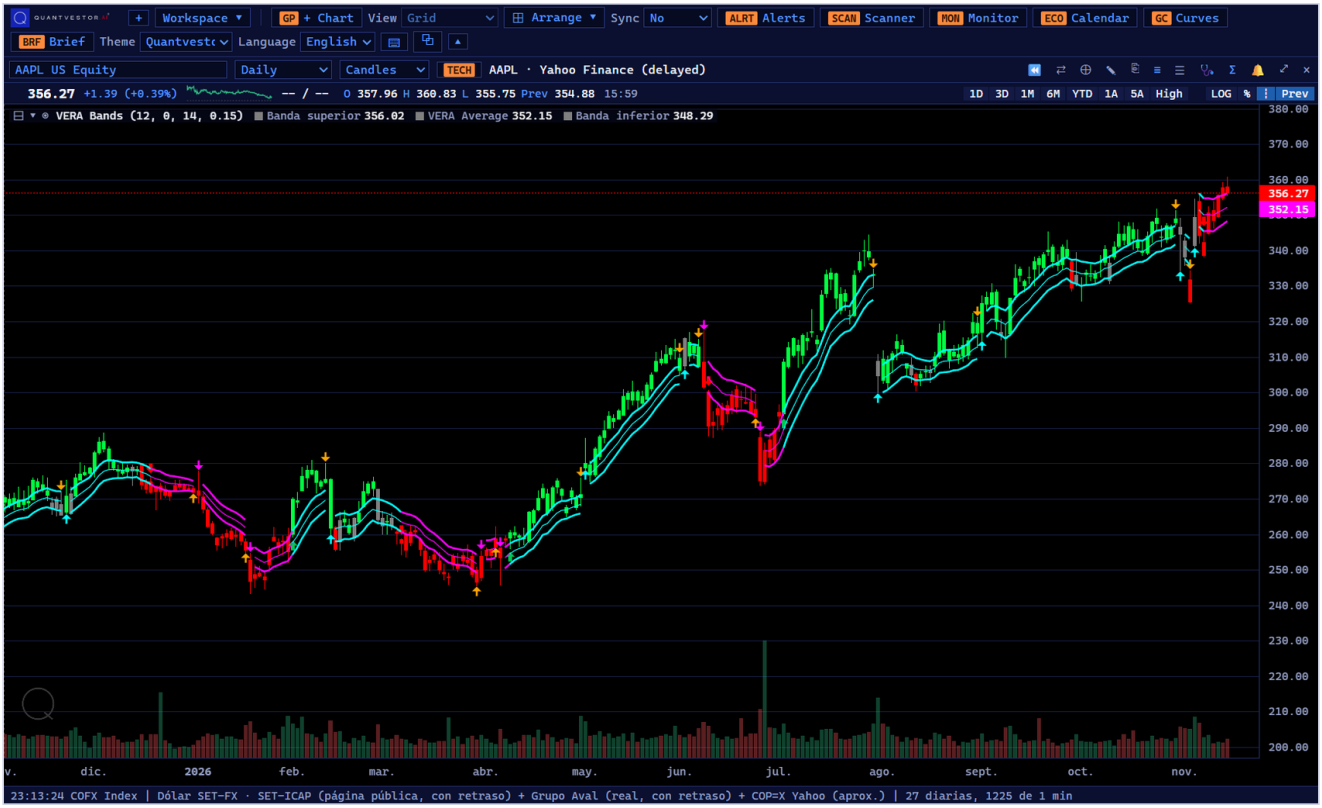
# VERA Trend + divergences




VERA Trend + divergences on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Divergence trend lines, filtered with VERA Trend. |
| HOW TO READ IT | Upper lines (joining highs) in green and lower ones (joining lows) in red. Solid: hidden divergence in VERA Trend's direction; dashed: regular divergence (exhaustion). The latest one is projected dotted and cut with a ✕ if a candle closes beyond it. Thickness shows how many indicator families agree. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Hover over a line to see its detail. |
| ACCESS | VERA / GTI indicator license |

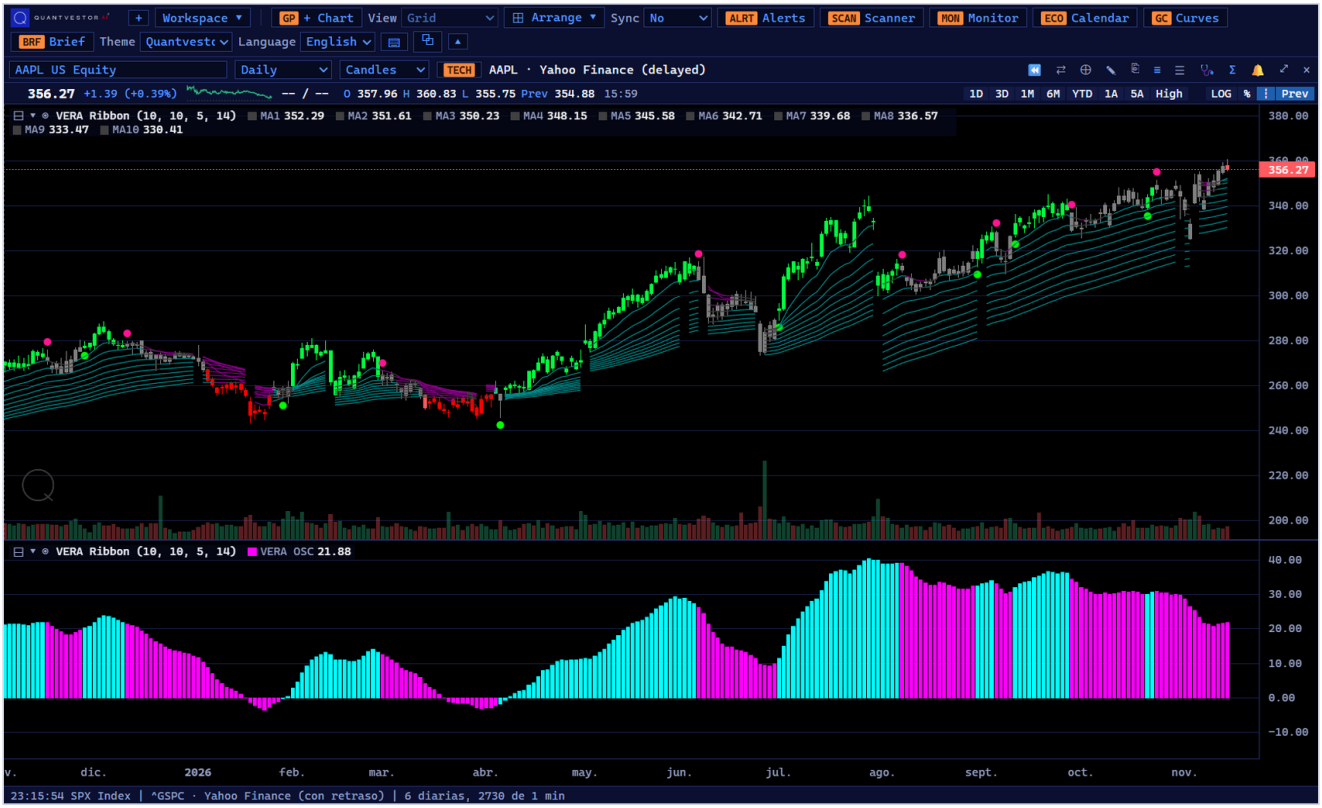
# VERA Bands




VERA Bands on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Trend bands that flip sides less often in sideways markets. |
| HOW TO READ IT | A VERA average with bands, green, grey or red candles, trend-change arrows, re-entries and possible exits. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | With the anti-whipsaw filter at 0 it behaves like the original. |
| ACCESS | VERA / GTI indicator license |

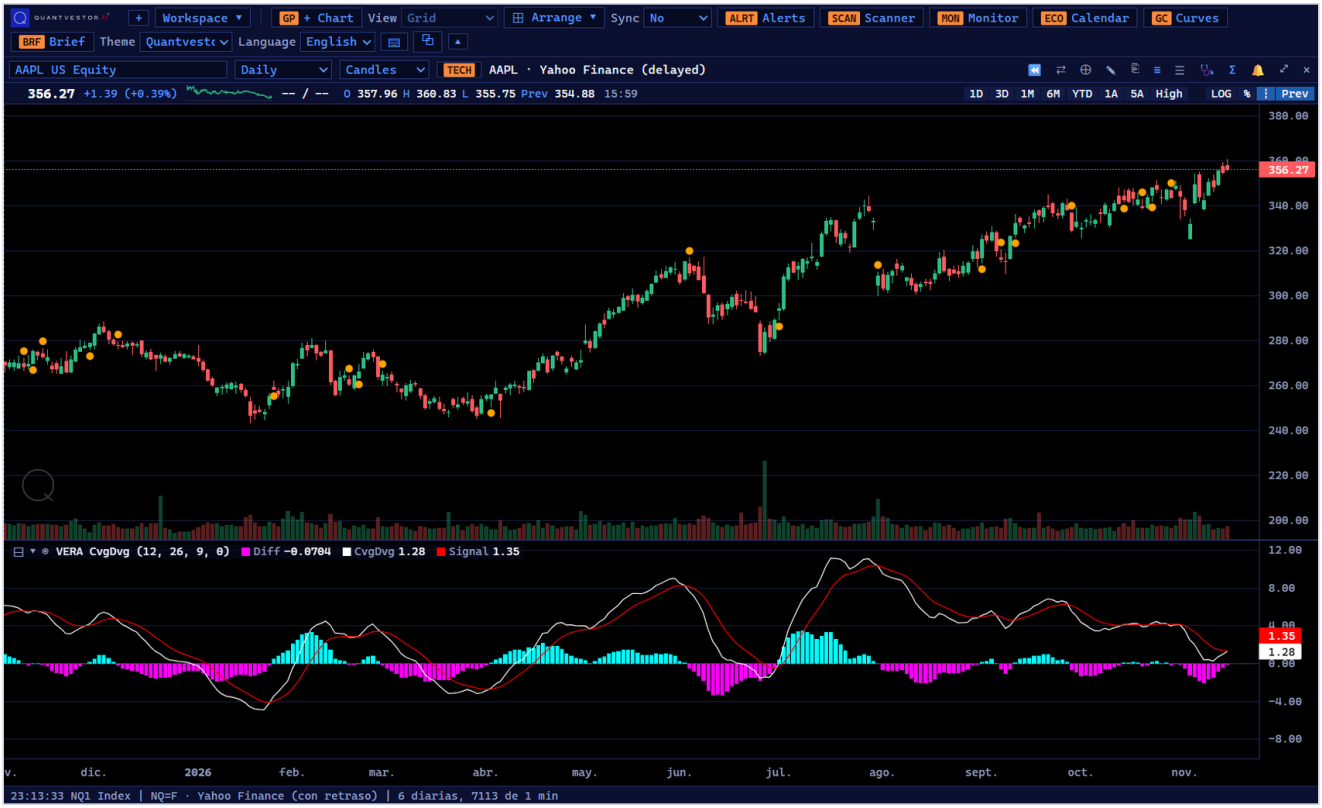
# VERA Ribbon




VERA Ribbon on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Read trend strength and direction from a fan of averages. |
| HOW TO READ IT | Ten VERA averages: ordered and spread out, strong trend; tangled, range. Candles in four states and circles at tops and bottoms. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Trend context, not an exact entry point. |
| ACCESS | VERA / GTI indicator license |

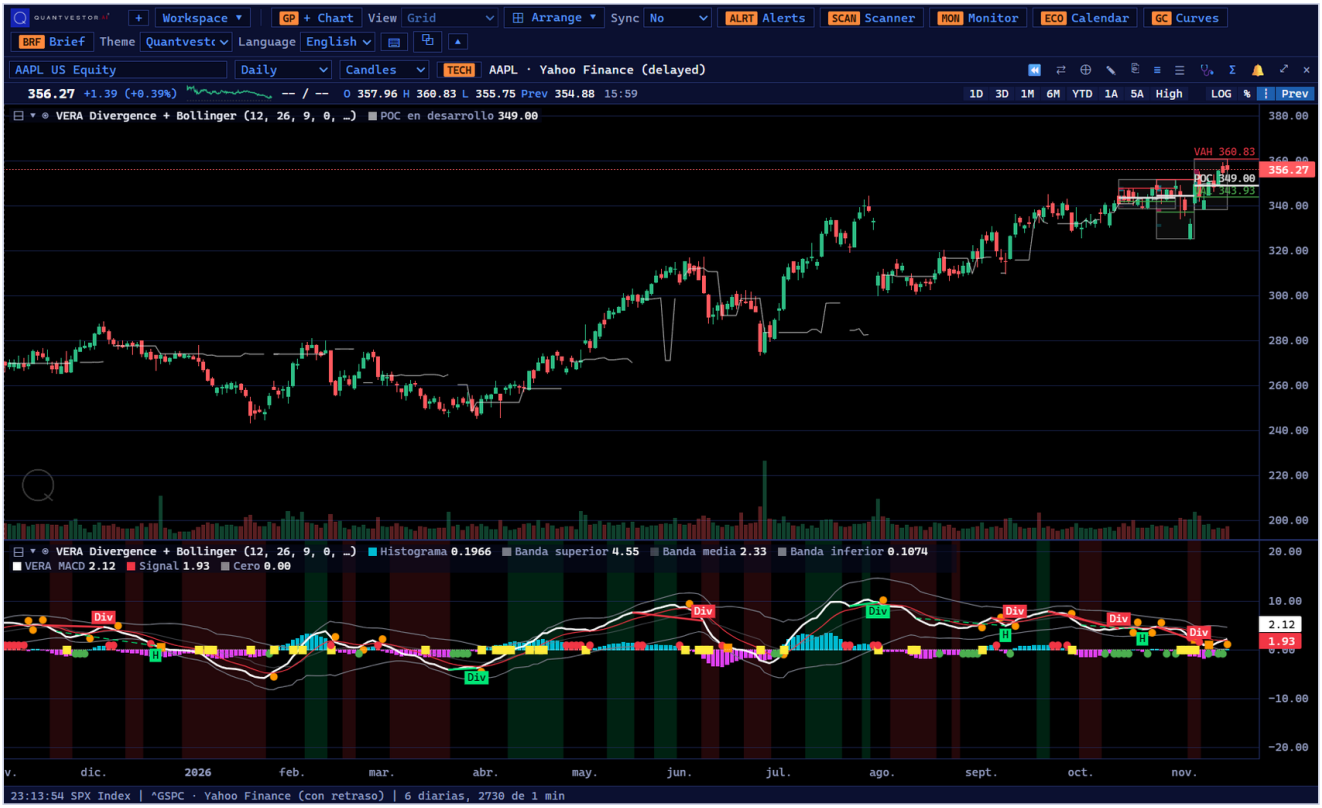
# VERA CvgDvg




VERA CvgDvg on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | A MACD built on VERA averages. |
| HOW TO READ IT | Line, signal and histogram, with a threshold to filter small crosses; circles at the crosses. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Like MACD: it confirms, it does not anticipate. |
| ACCESS | VERA / GTI indicator license |

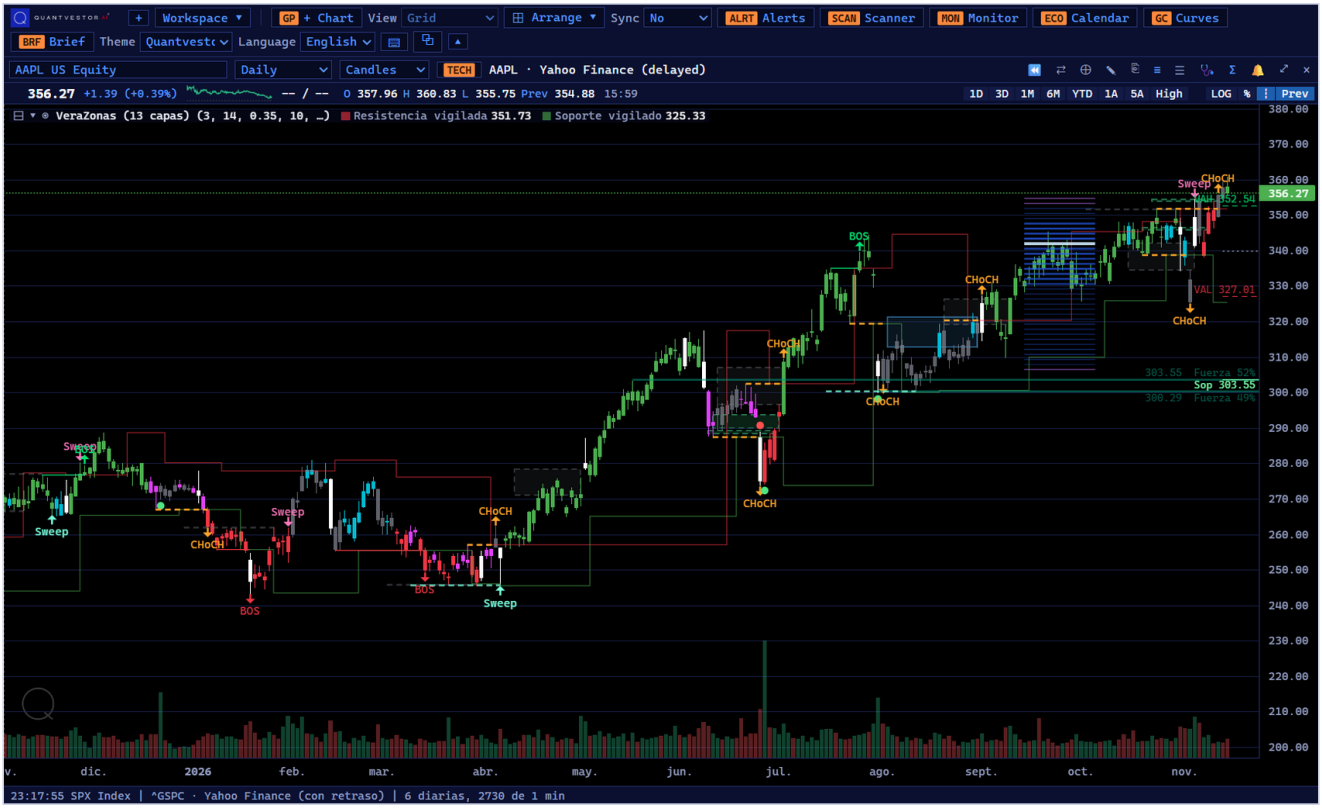
# VERA Divergence + Bollinger




VERA Divergence + Bollinger on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Spot divergences and oscillator breakouts. |
| HOW TO READ IT | A VERA oscillator with its own bands: breakouts, divergences with price, rotation zones, a range detector and the leg's volume profile. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Most useful intraday. |
| ACCESS | VERA / GTI indicator license |

# VeraZonas (13 layers)




VeraZonas (13 layers) on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Support and resistance zones with market context. |
| HOW TO READ IT | Zones with their strength, structure (BOS / CHoCH), volume profile, FVGs, order blocks, liquidity sweeps and bias, with market state in a box. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Many layers: turn off the ones you do not use in Properties › Display. |
| ACCESS | VERA / GTI indicator license |

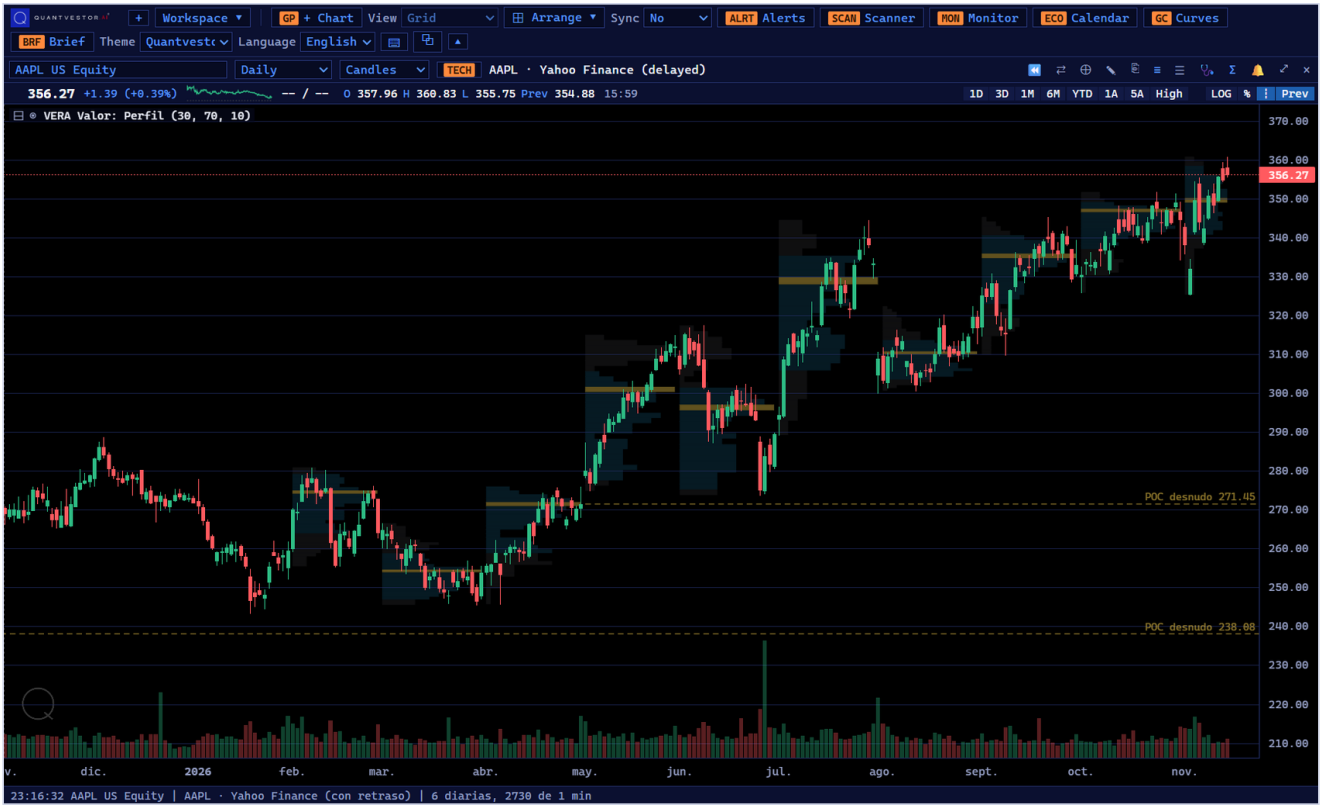
# VERA Compression




VERA Compression on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Mark the levels where price compressed. |
| HOW TO READ IT | Fixed: they do not move and switch off after several crosses. Live: peaks of the recent bars' profile, which shift with price. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Context, not a signal. |
| ACCESS | VERA / GTI indicator license |

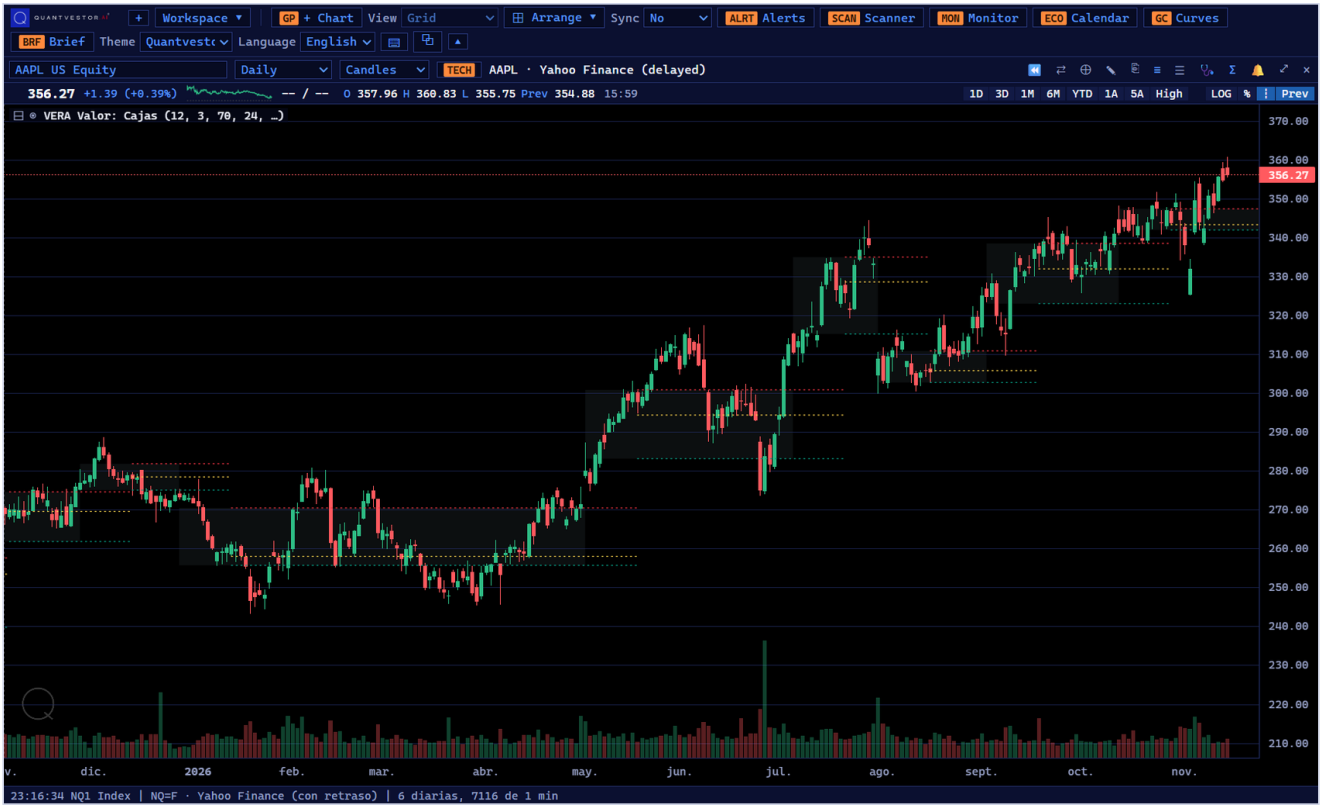
# VERA Value: Profile




VERA Value: Profile on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Each session's profile and its value levels. |
| HOW TO READ IT | POC and value area by volume or by time (TPO), plus past sessions' POCs that price has not revisited. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Context, not a signal. |
| ACCESS | VERA / GTI indicator license |

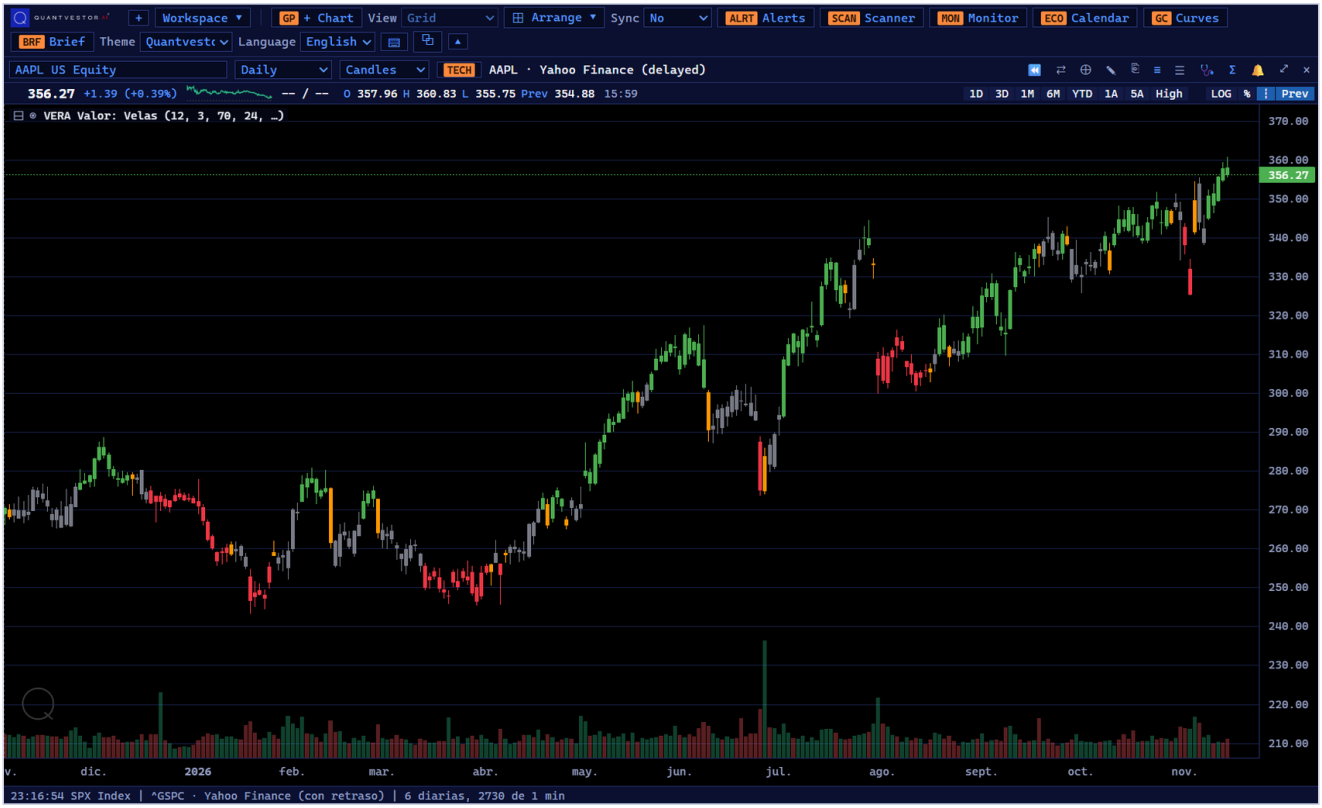
# VERA Value: Boxes




VERA Value: Boxes on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Balance boxes where the market accepts price. |
| HOW TO READ IT | Each box has a top, POC and bottom. A finished box does not repaint; a close outside it is a breakout. Includes the "What you need to know" reading. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Without volume it uses time (TPO). Context, not a signal. |
| ACCESS | VERA / GTI indicator license |

# VERA Value: Candles




VERA Value: Candles on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Color candles according to the Boxes. |
| HOW TO READ IT | Green or red on a close outside the box, orange on the first close back and grey while it stays inside. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Context, not a signal. |
| ACCESS | VERA / GTI indicator license |

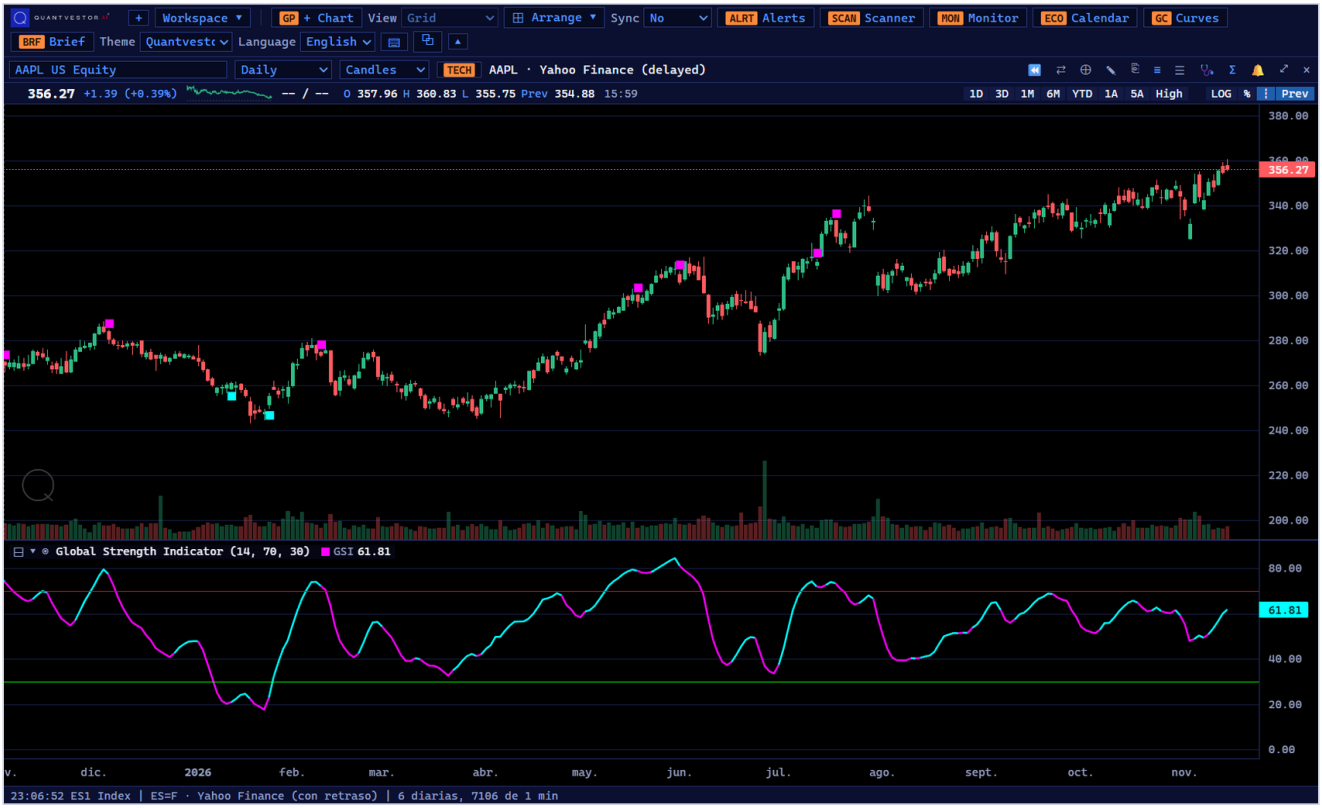
# VERA Value: Bias




VERA Value: Bias on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | A background that sums up the bias against the Boxes. |
| HOW TO READ IT | Green or red: it changes only on a close outside the box and holds until a close outside on the opposite side. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Context, not a signal. |
| ACCESS | VERA / GTI indicator license |

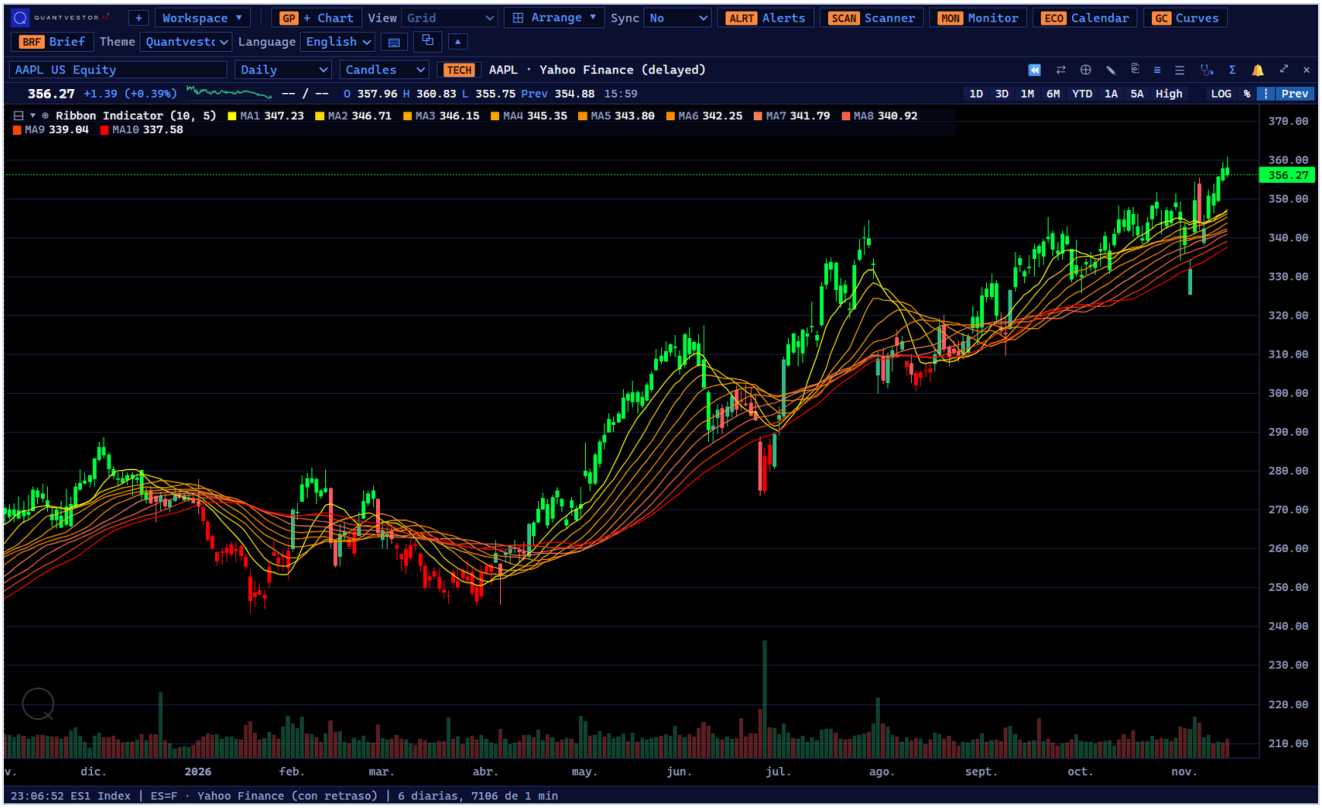
# Global Strength Indicator (GTI)




Global Strength Indicator (GTI) on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Measure trend strength. |
| HOW TO READ IT | An oscillator in its own panel with 70 and 30 reference levels; it marks possible exhaustion. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Like any oscillator, it can stay at extremes in long trends. |
| ACCESS | VERA / GTI indicator license |

# Ribbon Indicator (GTI)




Ribbon Indicator (GTI) on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | Read the trend from a ribbon of averages over price. |
| HOW TO READ IT | Ordered, spread-out ribbon: trend; tangled: range. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Trend context. |
| ACCESS | VERA / GTI indicator license |

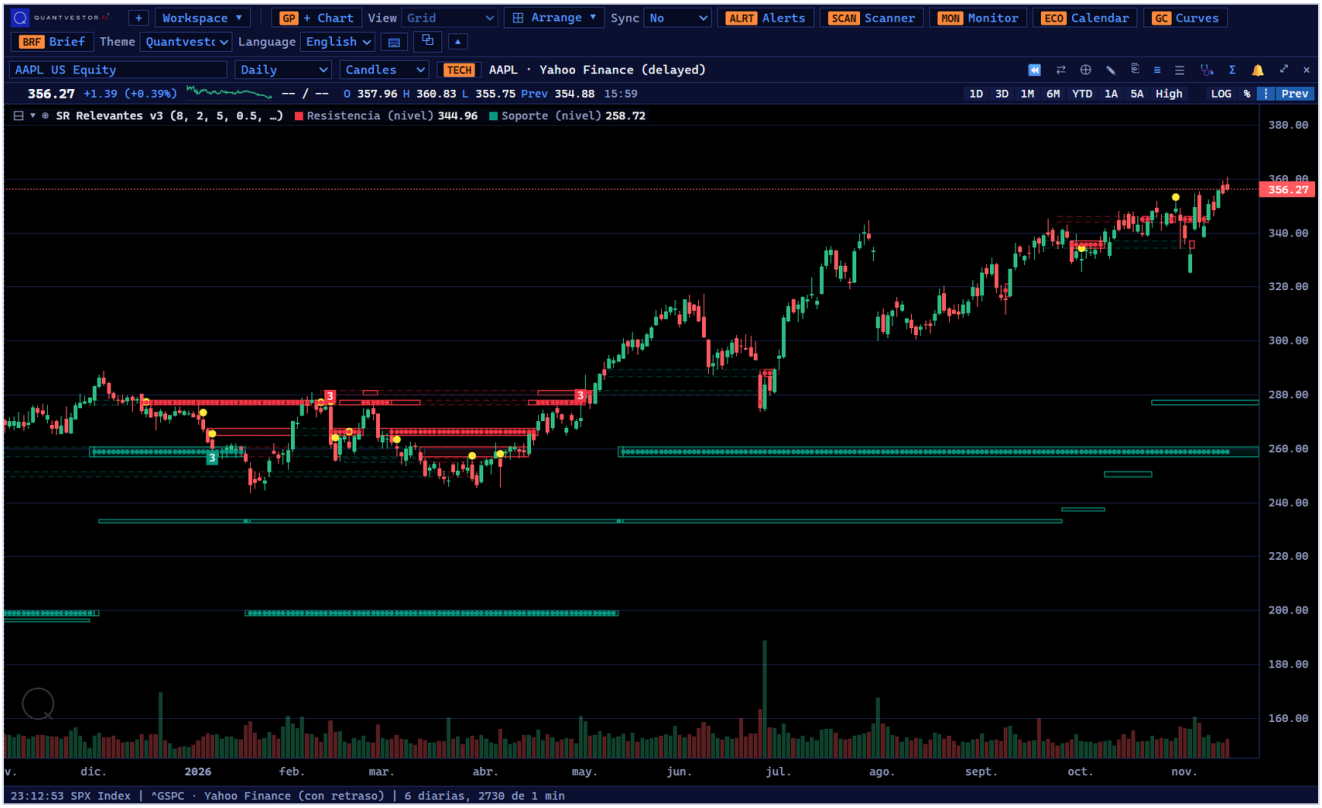
# Speed Moving Average (GTI)




Speed Moving Average (GTI) on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | An average that adapts to the speed of price. |
| HOW TO READ IT | Speeds up when price moves fast and slows when it calms down. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Like any average: it follows, it does not anticipate. |
| ACCESS | VERA / GTI indicator license |

# Relevant S/R v3




Relevant S/R v3 on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | The support and resistance levels that matter most. |
| HOW TO READ IT | Zones from pivot confluence confirmed by rejections; it shows the two most relevant on each side and flips a zone's role when price breaks it. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Zones update with price. |
| ACCESS | VERA / GTI indicator license |

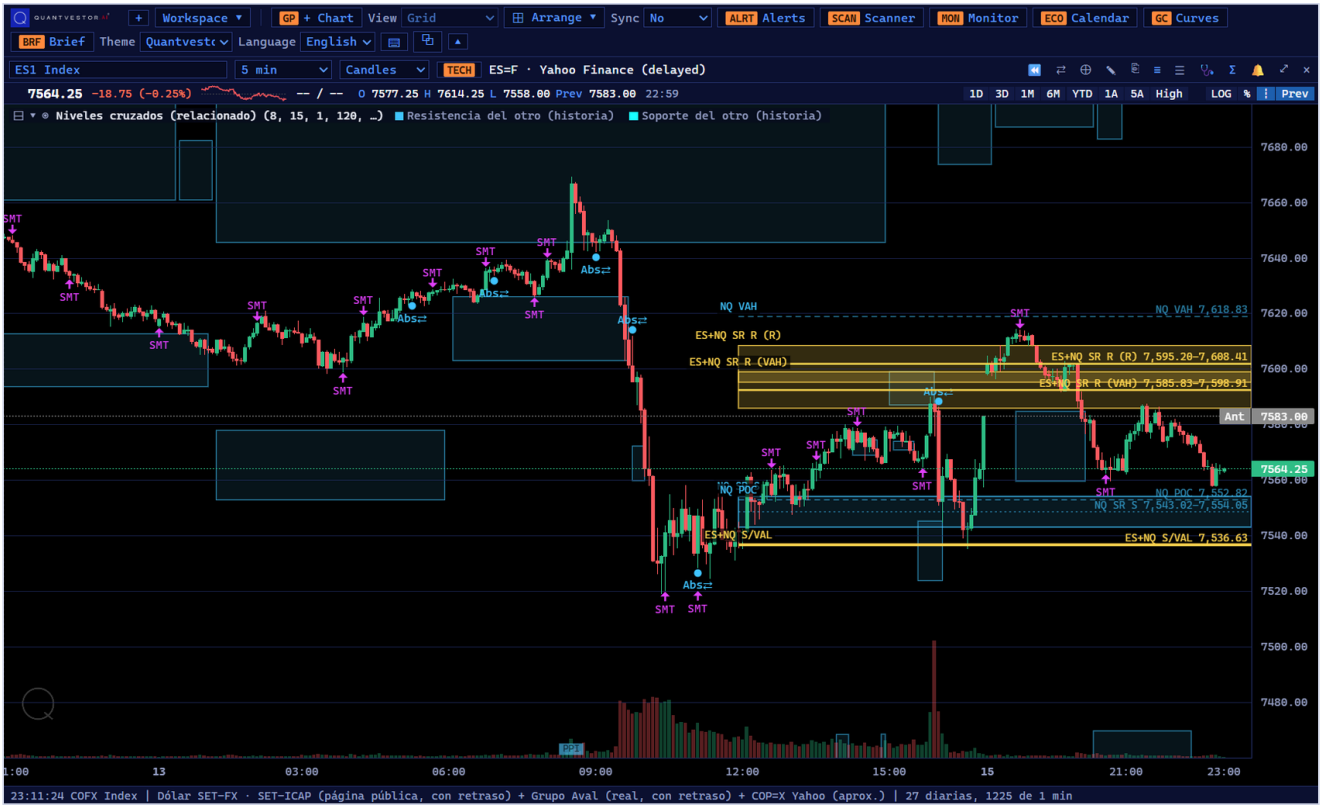
# S/R + multi-timeframe RSI




S/R + multi-timeframe RSI on S&P 500 futures (ES) 5-minute.

| | |
|---|---|
| WHAT IT IS FOR | Know at what price the RSI of several timeframes would change. |
| HOW TO READ IT | Marks on the right with the price at which the 5-minute, 15-minute, 1-hour, 4-hour or daily candle would have to close to bring its RSI to 70, 60, 50, 40 or 30, and a table with each timeframe's RSI and regime. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Complements Relevant S/R; not a signal on its own. |
| ACCESS | VERA / GTI indicator license |

# Cross levels




Cross levels on S&P 500 futures (ES) 5-minute.

| | |
|---|---|
| WHAT IT IS FOR | Bring in the key levels of a sister contract (NQ on ES, ES on NQ). |
| HOW TO READ IT | The sister's supports, POCs and GEX walls, translated to this chart with the intraday beta. Where they line up with this chart's own levels, the confluence is marked. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Designed for index futures intraday. |
| ACCESS | VERA / GTI indicator license |

# VERA Forecast (cone)




VERA Forecast (cone) on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | A map of the likely very-short-term path. |
| HOW TO READ IT | A cone with 50% and 80% bands that adjusts with volatility, with the VERA path extended. Below, an oscillator with the consensus: % of the chart's indicators pointing up. It shows the Stop Zones with the probability of reaching them. |
| DATA | The chart's bars (Lite: public sources; Pro: Bloomberg). |
| LIMITS | Needs at least 3 studies on the chart, one of them VERA Trend; if something is missing it says so. A risk and context map, not a signal. |
| ACCESS | VERA / GTI indicator license |

# Analyst target




Analyst target on AAPL daily.

| | |
|---|---|
| WHAT IT IS FOR | See the consensus price target on the chart. |
| HOW TO READ IT | A line with the target and the number of sources, a band between the highest and lowest targets, and a dot at the horizon date. |
| DATA | Stocks: Yahoo Finance analysts; ETFs: targets of their holdings; indices and commodities: strategists and banks quoted in headlines; USD/COP: BanRep's survey. |
| LIMITS | A reference, not a recommendation. |
| ACCESS | Included |

# Long-term forecasts




Long-term forecasts on AAPL weekly.

| | |
|---|---|
| WHAT IT IS FOR | Put the forward curve, analysts and banks into one cone. |
| HOW TO READ IT | Blue: the forward curve (for indices and currencies it is cost of carry, not an opinion). Gold: analyst target with its 12-month high and low. Lilac: strategists, banks or BanRep's survey. Intraday they show as labeled levels. |
| DATA | Same as the analyst target, plus the futures curve. |
| LIMITS | A reference, not a recommendation. |
| ACCESS | Included |

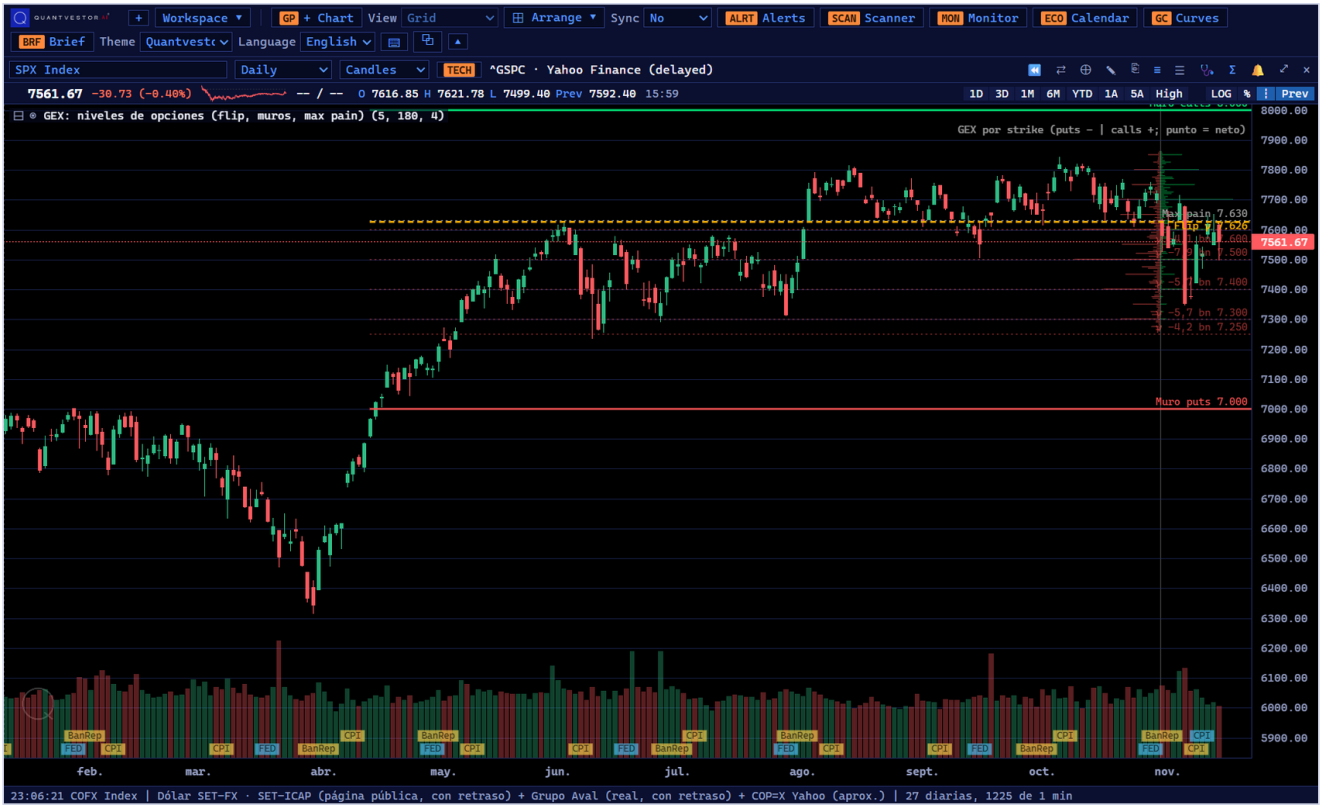
# CMTE committee forecast




CMTE committee forecast on AAPL daily, on the Terminal's chart.

| | |
|---|---|
| WHAT IT IS FOR | See the AI committee's latest forecast on the chart. |
| HOW TO READ IT | A cone from the price on the committee's day to the one-month target, with its band (narrower when conviction is high). |
| DATA | The Terminal's CMTE committee. |
| LIMITS | Only on the Terminal's chart: run CMTE on the ticker first. A reference, not a recommendation. |
| ACCESS | Included |

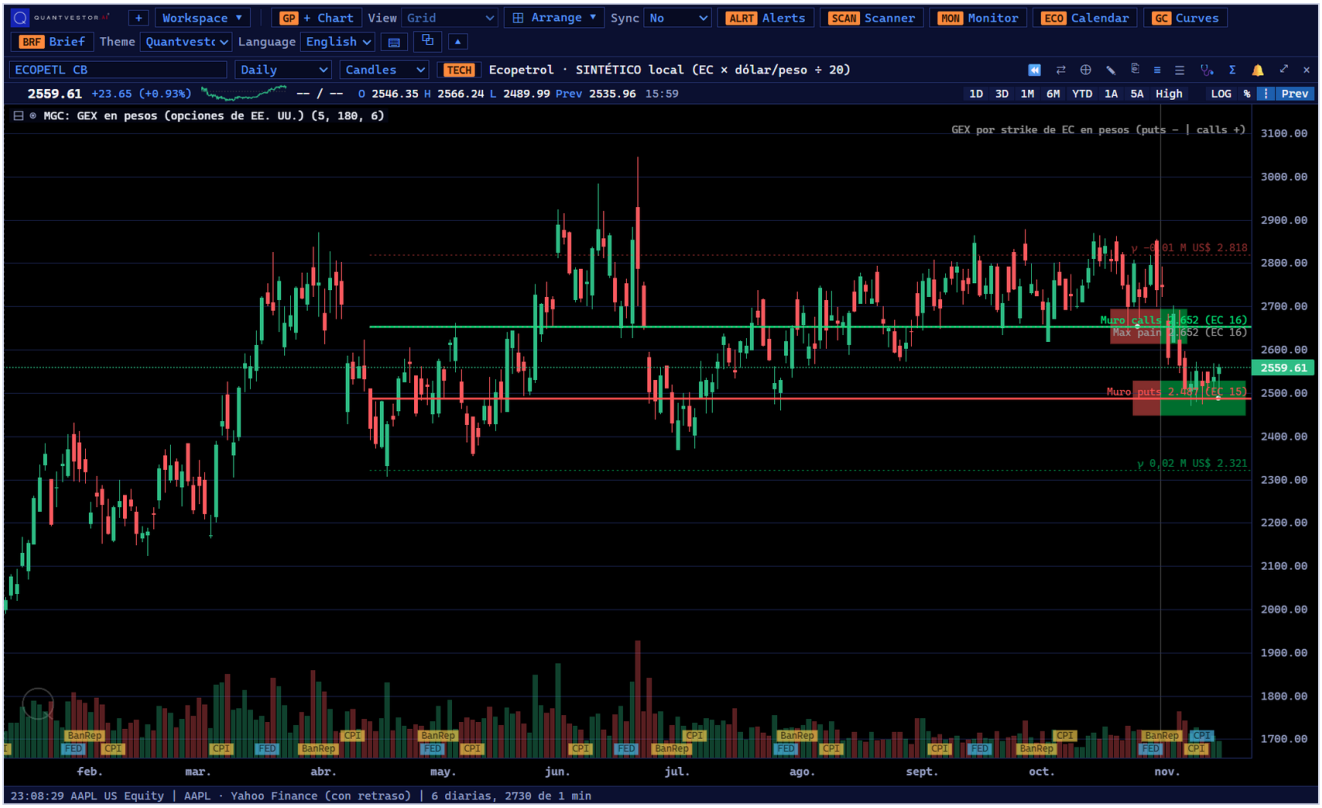
# GEX: options levels




GEX: options levels on the S&P 500 daily.

| | |
|---|---|
| WHAT IT IS FOR | Bring the index's options levels onto the chart. |
| HOW TO READ IT | Flip (zero gamma), call wall, put wall, max pain and the highest-gamma strikes, with the profile by strike on the right. On futures and CFDs levels are shifted by the current basis. |
| DATA | Cboe's public chain, 15-minute delay. |
| LIMITS | U.S. indices and ETFs only. Assumes dealers long calls and short puts. |
| ACCESS | VERA / GTI indicator license |

# MGC: GEX in pesos




MGC: GEX in pesos on synthetic Ecopetrol (ECOPETL CB) daily.

| | |
|---|---|
| WHAT IT IS FOR | See an ADR's options levels translated into the local price in pesos. |
| HOW TO READ IT | Flip, walls, max pain and highest-gamma strikes of the U.S. security (EC, CIB, AVAL…), converted to pesos with the current dollar and the conversion ratio. |
| DATA | Cboe (15 min) and the platform's USD/COP. |
| LIMITS | Only on the synthetic peso tickers (AAPL CB, ECOPETL CB, PFCIBEST CB, PFAVAL CB, ICOLCAP PROXY). With low open interest it is flagged "unreliable". |
| ACCESS | VERA / GTI indicator license |

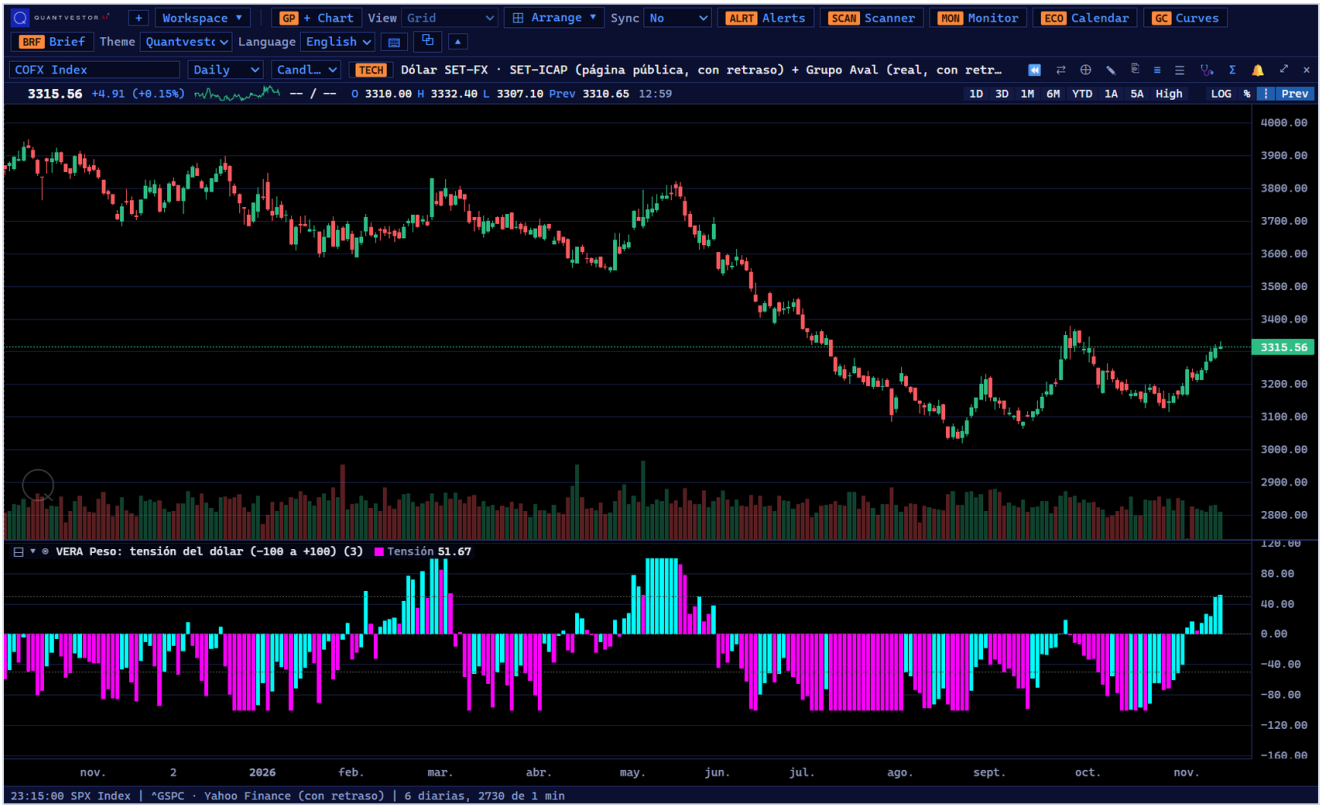
# MGC: premium or discount




MGC: premium or discount on synthetic Ecopetrol (ECOPETL CB) daily.

| | |
|---|---|
| WHAT IT IS FOR | Compare the local price with its synthetic from the U.S. |
| HOW TO READ IT | Premium (+) or discount (−) of the peso price against the ADR times the dollar, candle by candle. |
| DATA | Lite: local price from Yahoo for Ecopetrol, Cibest, Aval and iCOLCAP. Full MGC is Pro only. |
| LIMITS | Only on the synthetic peso tickers and where the local security traded. |
| ACCESS | VERA / GTI indicator license |

# VERA Peso: dollar tension




VERA Peso: dollar tension on USD/COP daily.

| | |
|---|---|
| WHAT IT IS FOR | Gauge whether USD/COP is stretched against its fair value. |
| HOW TO READ IT | Histogram from −100 to +100: positive, dollar expensive against its reference value (DXY, Brent, Mexican peso, real, its value zone and the TRM average); negative, cheap. Cyan when rising, magenta when falling. |
| DATA | Public sources for USD/COP and its references; the Pro adds the risk reversal. |
| LIMITS | Context, not a signal. |
| ACCESS | VERA / GTI indicator license |

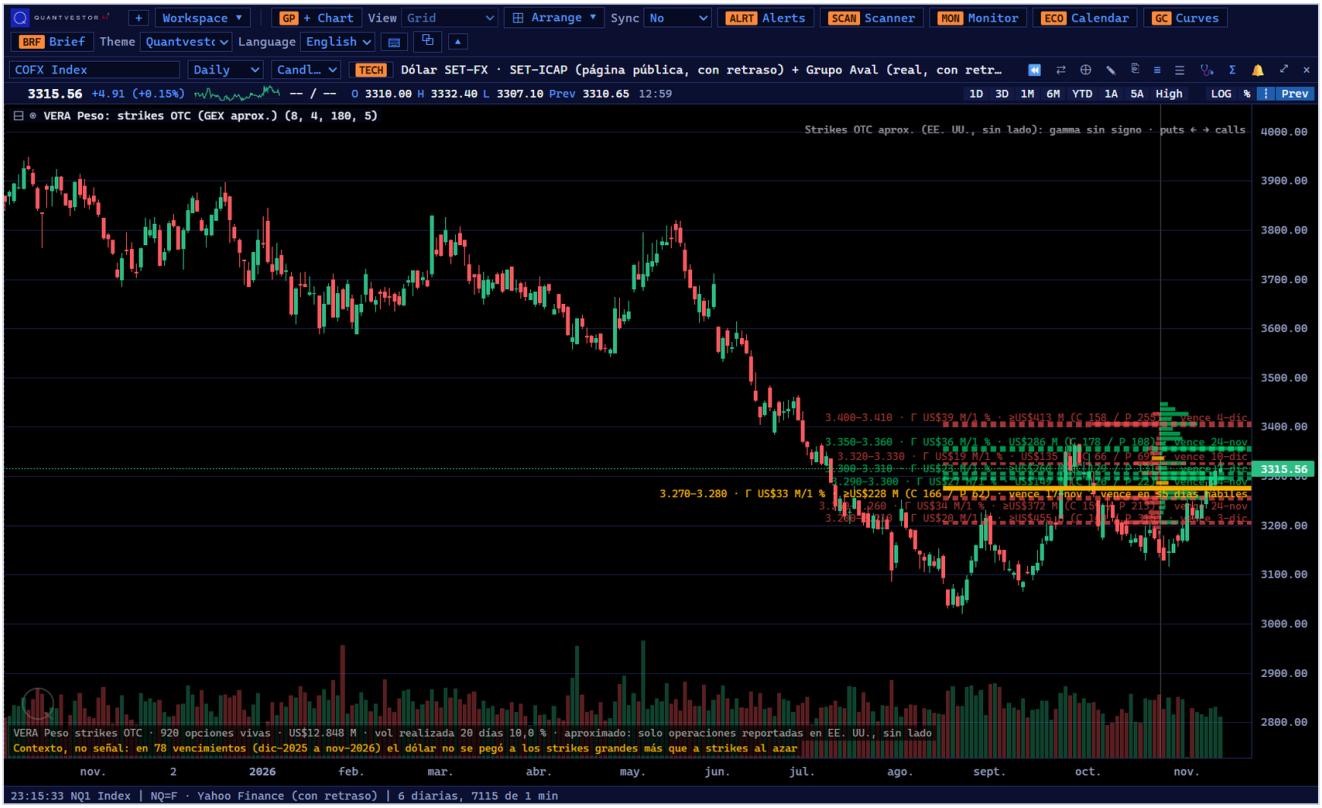
# VERA Peso: levels




VERA Peso: levels on USD/COP daily.

| | |
|---|---|
| WHAT IT IS FOR | The levels the USD/COP market watches. |
| HOW TO READ IT | 20-day average of the TRM and its bands, days with BanRep accumulation options, today's TRM, yesterday's close and open, the day's and week's POC, value zone and nodes. |
| DATA | BanRep, SET-ICAP and the platform's dollar series. |
| LIMITS | Context, not a signal. |
| ACCESS | VERA / GTI indicator license |

# VERA Peso: OTC strikes




VERA Peso: OTC strikes on USD/COP daily.

| | |
|---|---|
| WHAT IT IS FOR | See where USD/COP OTC options are concentrated. |
| HOW TO READ IT | Levels whose thickness follows gamma by strike, a put/call profile on the right and expiries in the next five days highlighted (pin risk). |
| DATA | Public OTC option reports from the DTCC (CFTC). |
| LIMITS | Approximate: only trades reported in the U.S., without the side of each trade. |
| ACCESS | VERA / GTI indicator license |

# Delta per candle




Delta per candle on S&P 500 futures (ES) 5-minute.

| | |
|---|---|
| WHAT IT IS FOR | See whether aggressive buying or selling dominated each candle. |
| HOW TO READ IT | Buy volume minus sell volume per candle, the day's cumulative delta and, optionally, candles colored by delta. |
| DATA | Trades with side (who bought at the offer and who sold at the bid) from the order-flow connection. |
| LIMITS | Without that connection the study only shows a notice. History starts the day the connection is turned on; delta is never made up from 1-minute candles. |
| ACCESS | Indicator license + order-flow connection |

# Delta Turnaround




Delta Turnaround on S&P 500 futures (ES) 5-minute.

| | |
|---|---|
| WHAT IT IS FOR | Mark candle reversals confirmed by delta. |
| HOW TO READ IT | The candle changes color, delta flips sign with it and sweeps the prior candle's extreme. |
| DATA | Trades with side (who bought at the offer and who sold at the bid) from the order-flow connection. |
| LIMITS | Without that connection the study only shows a notice. History starts the day the connection is turned on; delta is never made up from 1-minute candles. |
| ACCESS | Indicator license + order-flow connection |

# Volume profile with delta




Volume profile with delta on S&P 500 futures (ES) 5-minute.

| | |
|---|---|
| WHAT IT IS FOR | The volume profile split into aggressive buys and sells. |
| HOW TO READ IT | Sells on the left, buys on the right and each level's delta, with POC and value area. |
| DATA | Trades with side (who bought at the offer and who sold at the bid) from the order-flow connection. |
| LIMITS | Without that connection the study only shows a notice. History starts the day the connection is turned on; delta is never made up from 1-minute candles. |
| ACCESS | Indicator license + order-flow connection |

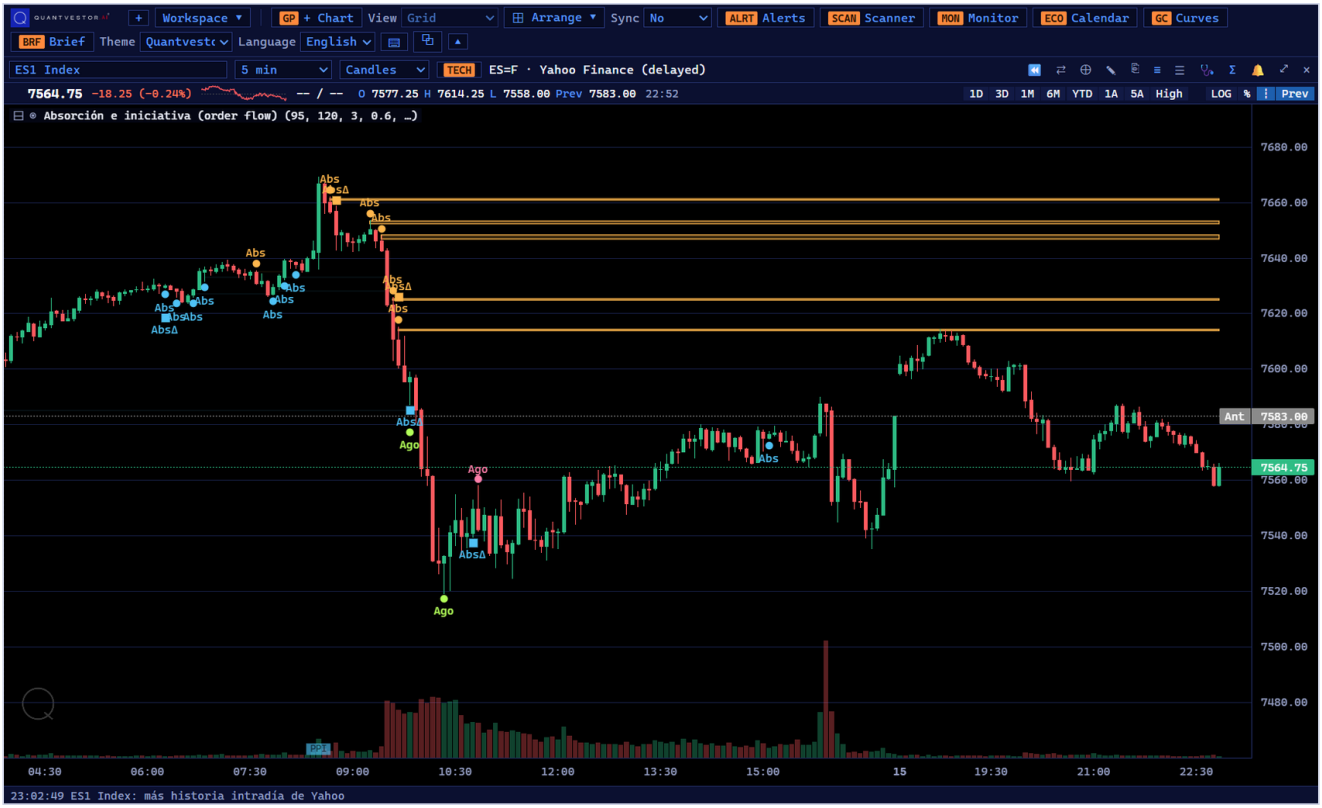
# Imbalances




Imbalances on S&P 500 futures (ES) 5-minute.

| | |
|---|---|
| WHAT IT IS FOR | Mark the prices where one side dominated strongly. |
| HOW TO READ IT | Levels where buying or selling dominates (3 to 1 by default) and zones where three or more stack up; they extend to the right until price crosses them. |
| DATA | Trades with side (who bought at the offer and who sold at the bid) from the order-flow connection. |
| LIMITS | Without that connection the study only shows a notice. History starts the day the connection is turned on; delta is never made up from 1-minute candles. |
| ACCESS | Indicator license + order-flow connection |

# Absorption and initiative




Absorption and initiative on S&P 500 futures (ES) 5-minute.

| | |
|---|---|
| WHAT IT IS FOR | Detect when one side absorbs the other's aggression. |
| HOW TO READ IT | Absorption: heavy selling at the low and still a close higher (or the reverse); a box at the level until price crosses it. Initiative: stacked imbalances, strong delta and a breakout. |
| DATA | Trades with side (who bought at the offer and who sold at the bid) from the order-flow connection. |
| LIMITS | Without that connection the study only shows a notice. History starts the day the connection is turned on; delta is never made up from 1-minute candles. |
| ACCESS | Indicator license + order-flow connection |

# Large trades




Large trades on S&P 500 futures (ES) 5-minute.

| | |
|---|---|
| WHAT IT IS FOR | See where large aggressive orders came in. |
| HOW TO READ IT | Green (bought at the offer) or red (sold at the bid) bubbles, bigger with more contracts. |
| DATA | Trades with side (who bought at the offer and who sold at the bid) from the order-flow connection. |
| LIMITS | Without that connection the study only shows a notice. History starts the day the connection is turned on; delta is never made up from 1-minute candles. |
| ACCESS | Indicator license + order-flow connection |

# Time and sales




Time and sales on S&P 500 futures (ES) 5-minute.

| | |
|---|---|
| WHAT IT IS FOR | The latest aggressive orders in a box on the chart. |
| HOW TO READ IT | Time, side, contracts and price, newest on top; the largest in bold. |
| DATA | Trades with side (who bought at the offer and who sold at the bid) from the order-flow connection. |
| LIMITS | Without that connection the study only shows a notice. History starts the day the connection is turned on; delta is never made up from 1-minute candles. |
| ACCESS | Indicator license + order-flow connection |

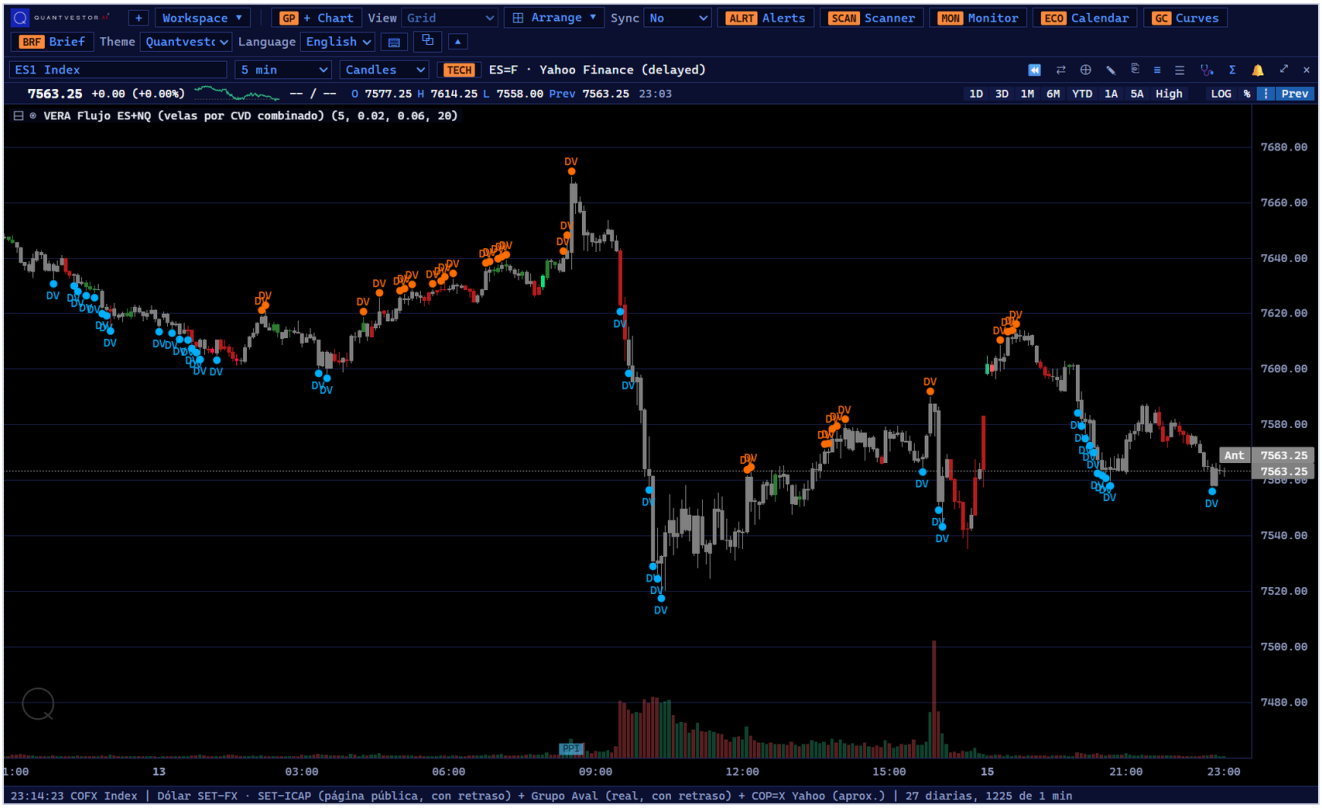
# Tape speed




Tape speed on S&P 500 futures (ES) 5-minute.

| | |
|---|---|
| WHAT IT IS FOR | See when urgency enters the market. |
| HOW TO READ IT | Trades per second in each candle: green when buying dominated, red when selling did and yellow when the tape speeds up above its average. |
| DATA | Trades with side (who bought at the offer and who sold at the bid) from the order-flow connection. |
| LIMITS | Without that connection the study only shows a notice. History starts the day the connection is turned on; delta is never made up from 1-minute candles. |
| ACCESS | Indicator license + order-flow connection |

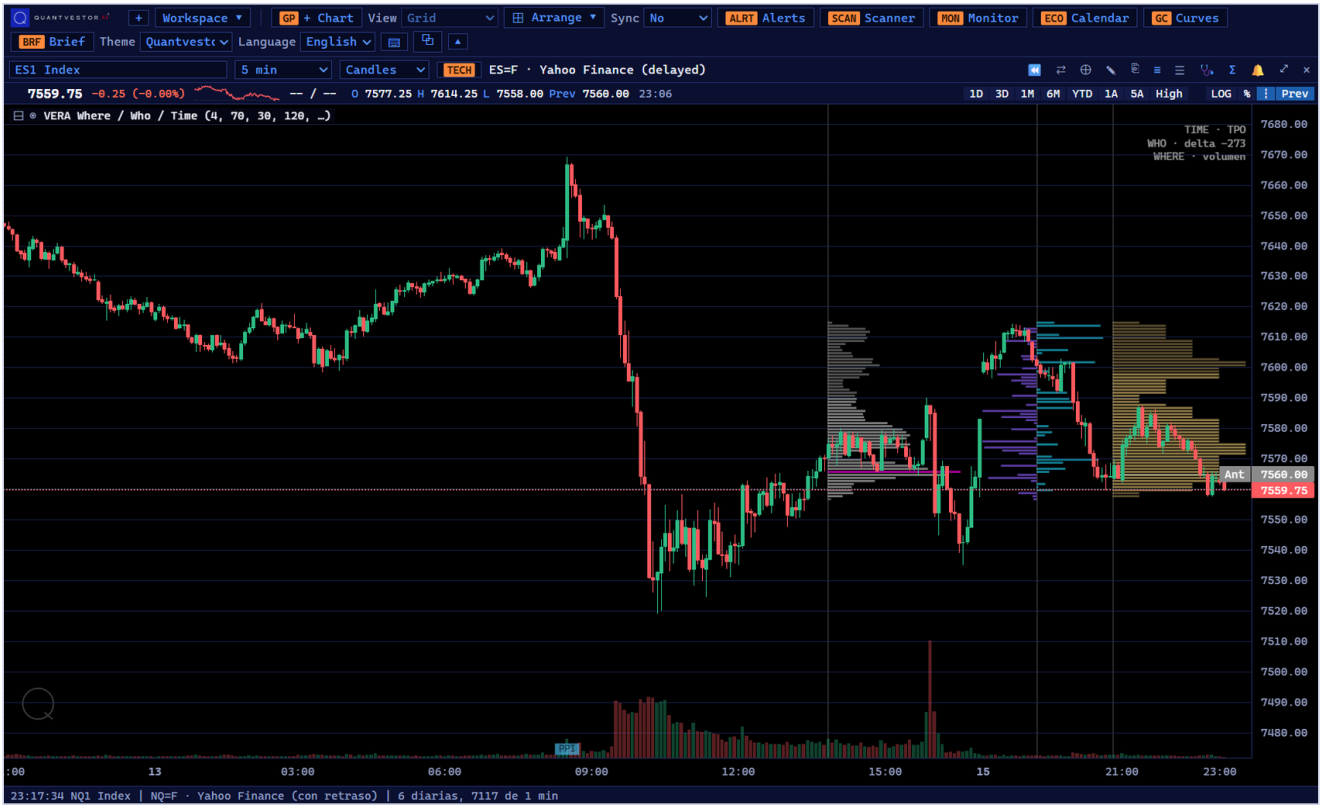
# VERA Flow ES+NQ




VERA Flow ES+NQ on S&P 500 futures (ES) 5-minute.

| | |
|---|---|
| WHAT IT IS FOR | Candles colored by the combined cumulative delta of ES and NQ. |
| HOW TO READ IT | Green when delta rises in both, red when it falls in both and grey when they disagree; it marks divergences between price and that combined delta. |
| DATA | Trades with side (who bought at the offer and who sold at the bid) from the order-flow connection. |
| LIMITS | Without that connection the study only shows a notice. History starts the day the connection is turned on; delta is never made up from 1-minute candles. Context, not a signal. |
| ACCESS | Indicator license + order-flow connection |

# VERA Where / Who / Time




VERA Where / Who / Time on S&P 500 futures (ES) 5-minute.

| | |
|---|---|
| WHAT IT IS FOR | Three session profiles in one. |
| HOW TO READ IT | WHERE (volume, POC and value area), WHO (delta) and TIME (time in 30-minute periods), to the right of price. |
| DATA | Trades with side (who bought at the offer and who sold at the bid) from the order-flow connection. |
| LIMITS | Without that connection the study only shows a notice. History starts the day the connection is turned on; delta is never made up from 1-minute candles. |
| ACCESS | Indicator license + order-flow connection |

# 7. Data sources and use

Quantvestor does not sell market data: it shows data from public sources or from your own license (Bloomberg in the Pro, or the source you connect in the Lite). Each source keeps its own terms of use.

| Topic | Sources |
|---|---|
| **Prices** | Yahoo Finance (delayed), Banco de la República's SEN and SUAMECA, SET-FX (Grupo Aval and SET-ICAP), Binance and CoinGecko; Bloomberg in the Pro. |
| **Economy** | DANE, BanRep, BLS, BEA, FRED, OECD, World Bank, IMF, BIS. |
| **Central banks** | federalreserve.gov, FRED, fed funds futures, BanRep's expectations survey. |
| **Options** | Cboe (15-minute delay), public DTCC reports for USD/COP. |
| **Companies** | Yahoo Finance, State Street (SPDR fund flows). |
| **News** | Quantvestor news server (RSS and wires), Google News, official YouTube channels. |
| **Global risk** | USGS, IMF PortWatch, GDACS, NASA EONET, U.S. travel advisories. |

Some sources (for example, certain credit indices published on FRED and Cboe's option chain) are for personal use only: do not redistribute their figures.

# 8. Disclaimer

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