

Start simply. Explore every workspace.

One guided path from Pro Simple Mode to Advanced research and the public data-point library.

[Open Watchtower](#) · [Download manual PDF](#) · [Markdown manual](#)

Current edition reviewed 21 October 2026 · 78 workspaces · 131 normalized point definitions · 209 reviewed datasets.

[Current updates](#) [Choose Pro Brief feeds](#) [Feed directory](#) [Simple](#) [Advanced tabs](#) [Shared tools](#) [Data points](#)
[Glossary](#) [Tour controls](#) [Public finance & government feeds](#) [Deficits, proposals & shortages](#)

Simple Mode tour

Welcome to Watchtower Pro Simple Mode

Start with the six Simple Mode tabs, learn how to read their data, then choose whether to continue into Advanced Mode. Close at any time with Close or Escape. Help can replay any section.

- Simple Mode is also labelled Monitor in navigation. Advanced Mode is labelled Investigate.
 - The tour only explains and navigates. You make all settings, alert, export and AI-generation decisions.
-

Pro Brief

Start with the concise briefing. Pick one item that matters to you and follow it to its evidence.

- Read the headline together with its source and observation date.
- Use the brief's selections and available refresh controls to focus your reading. A refresh is not a new observation.
- Open a related workspace when you need the underlying records rather than only the summary.

Your Pro Brief windows

The seven original sections are a starting layout. Every section is a configurable window, and you can add more windows for the feeds or data points you want.

- The original News, Prices, Priorities, Risk & credit, Around the world, What's next and Sources remain ready-made choices.
- Click Choose feed on any window to replace it. The navigation buttons follow your current window order and titles.
- Each custom window keeps source dates, units, definitions, missing-value states and preview bounds visible. Counts and model indices do not become calibrated probabilities.

Choose feeds, news settings, refresh and export

Choose what each window shows, then read its source information before sharing.

- Use Add window or Choose feed to choose a data source; the original News section keeps its existing news preferences.
- Refresh brief requests ordinary updated reads, respecting source caches and provider pauses. It does not force a new observation.
- Export brief includes only the selected windows, with their current status, definitions, source data and preview limits. Export layout contains configuration only.
- Explore opens the related workspace. Review its filters there; it is not a promise that every window filter transfers automatically.
- In the original News window, enter a keyword or quoted phrase and press Enter or Filter news. All terms must match; -term excludes a term. Clear removes the keyword. Existing topic/source/region filters still apply; no matches stay empty. Daily Brief has its own saved news choices.

Click a Pro Brief window and choose its feed

Click a window's heading or empty area, or use Choose feed. Search for the information you want, inspect its preview and select Use this feed. Add window creates another independent selection.

- Original sections, current normalized data points and reviewed public dataset feeds are available in the picker. A listed source may be stale, incomplete or unavailable.
- Choose Summary, Records / table or named data fields. Optional source filters use that dataset's own country/year/view meanings. Apply commits the selection; closing the picker cancels the draft.
- Window options move, resize or remove a window. Undo restores the preceding layout. Restore original layout returns the seven starting sections.
- Choices are saved for the verified account in this browser, not synchronized to other devices. Export/import layout moves definitions only; Export brief contains the selected windows and their source-qualified data.
- Changing a feed does not create a new observation, change a model, enable an alert or call a paid AI model.

My Watchtower: your daily starting point

Follow what matters, read your briefing and check your private inbox. Your saved setup belongs to your signed-in account.

- Start in Overview. Following keeps your saved interests; Inbox holds notifications; History keeps dated briefing editions.
 - Choose Add a watch, complete the three steps and save explicitly.
 - Help & tips explains the current task without discarding your draft.
-

Four everyday views, with the rest in More

Overview, Following, Inbox and History keep the daily routine together.

- Overview: review your setup and read or create a briefing.
 - Following: create or edit topics, places, saved news searches and value alerts.
 - Inbox: mark read or dismiss notifications from enabled watches.
 - History: reopen saved editions; deletion and export are explicit.
 - More: What changed, Briefing schedule, Source coverage, Research pilot and Research tools.
-

Set up a watch in three short steps

Choose interests → Choose alerts → Review & save. Back keeps your choices; an error leaves the draft available.

- Use searchable checkboxes for places and areas—no Ctrl/Command multi-selection needed.
- Places AND areas AND subjects narrow each other; choices within a group are alternatives.
- Inbox alerts are optional. A first healthy check establishes a baseline.
- More → Briefing schedule uses a named time zone and a local hour; this is an in-app edition, not email.
- For a numeric price/value rule, select it in Advanced and choose Set alert. Help & tips explains the difference.

Signal Board

Scan signals to decide what to investigate next.

- Use the displayed filters and time selections to narrow the board.
- Read each tile's measure, scale, geography and coverage; equally coloured tiles need not measure the same thing.
- Open Source or Data Proof to inspect evidence. Help beside a data point explains it again.

Alerts

Read the Simple alert display and understand what each alert actually means.

- Check the alert's condition, selected metric and observation time.
- Missing evidence is not a negative result or an all-clear.
- Detailed rule authoring lives in Advanced tools. Only explicit user actions save or enable a rule.

Global Markets

Browse worldwide market references and compare like-for-like observations.

- Use available region, market and search controls to narrow the table.
- Check instrument identity, currency, units, market hours and the original quote date.
- Percent changes, percentage-point changes and basis points are different. Read source and export options before sharing.

Watchtower Search

Find a subject, source record or workspace without browsing every tab.

- Enter a specific question, place, organisation or instrument.
- Use the available filters and inspect dates and source identity in results.
- Open a relevant result and follow its source. Similar headlines are not necessarily independent evidence.

Read any data card

A number becomes useful only with its definition and evidence.

- Identify what is measured, its unit, geography and observation period.
 - Separate observation time, model-computation time and the time Watchtower checked the source.
 - Zero, missing, stale and partial coverage are different states. A model index is not automatically a probability.
-

Filters, sorting and viewing controls

Use each tab's visible controls to narrow and inspect data.

- Start with one region, entity or time range. Check the active filters before comparing results.
 - Sorting changes the order, not the evidence. Hidden columns may still matter to interpretation.
 - Fullscreen and map controls change the view. Save/export only when you deliberately choose to.
-

Sources and Data Proof

Follow a data point back to its evidence and definitions.

- Open Source identifies the underlying provider or record.
 - Data Proof explains provenance, original clocks, coverage and transformations when available.
 - Use Explain this data point for a guided reading of the same point. Unknown fields stay unknown.
-

Assistant and optional AI

Use Help for the tour and manual. Use Assistant when you deliberately want an AI-supported research task.

- Reading this tour does not need a model connection.
 - Opening help does not submit an AI prompt or consume paid model usage.
 - AI interpretations require checking their cited sources and your account's configured access.
-

Find a tab and get help again

The Help button is always available. A tab's Help this tab button starts its own walkthrough.

- Choose Simple tour to replay this introduction.
- Choose Help this tab for the current workspace, or browse a particular data point.
- The manual contains the same tour sections and a searchable workspace/data-point directory.

Ready to learn Advanced Mode?

You have finished the Simple tour. You can stop here, or continue through Advanced navigation, every registered workspace and every available data-point type.

- You can close, go back or jump to a chapter at any time.
- Advanced explanations are readable by everyone. Opening restricted tools still requires normal account access.

Advanced workspace tour

Each registered tab has a dedicated section. Access and hidden-layout preferences still apply when opening the real application.

Summary

Scan source-qualified market benchmarks, identities, units and observation clocks.

- Read a market row: Start in Market Overview Summary and inspect the instrument, source and clock.
- Compare a specialist panel: Use the Markets panel for the relevant asset class. Indices and individual stocks are different inventories.
- Explore the global atlas: Open Global Markets and check regional selection, company/listing-country basis and available coverage.

▼ Summary — reference detail

The left **Market Overview**, lower **Markets** panel and full-width **Global Markets** now share consistent identities, source dates, units, flags and evidence controls. Use the compact panels for scanning and Global Markets for a wider table or symbol lookup.

Left Market Overview tabs

Tab	Read it this way
Summary	A cross-regional selection of benchmarks, commodity references, currency pairs, digital assets and qualified context. Open the complete inventory below for breadth.
US curve	Nominal Treasury yields arranged by maturity. TIPS are separate real-yield series and are excluded from this nominal curve.
Ratios	Source-aligned comparisons such as gold/silver or equity-index/gold. The dimensions and benchmark scope matter.

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Global yields	Country ten-year sovereign yield observations. These are bond yields, not central-bank policy rates.
Fear & Greed	Restored Watchtower cross-asset and geographic heuristic gauges, with component eligibility and source clocks.
Market Tone	A separate descriptive view of qualified regional index price changes.
FX strength	Currency changes versus USD using the correct pair direction and reciprocal-return calculation.

Lower Markets and the full-width atlas

Commodities shows native futures quotations; **Indices** shows the registered benchmark universe; **Forex** offers market quotes and ECB references; **Crypto** shows the source-defined asset universe; **Global Stocks** shows the filtered worldwide equity-mover scan. Use the available regional, text, rising/falling, data-gap and period controls. A rising/falling filter requires eligible non-missing change data; an undated source is not automatically a current mover.

Global Markets adds an overview and dedicated **Indices**, **FX**, **Commodities**, **Equities**, **Crypto**, **Yields** and **Sources** views. Symbol lookup searches supported public references. Confirm instrument type and exchange: the same ticker can identify different listings. Open the instrument for its existing chart controls, or use the information button for normalized evidence and original fields. CSV reflects the selected view; inspect the export's units, source and observation columns.

Worldwide coverage, flags and identities

The benchmark registry contains **56 indices across 44 countries/areas**. The market release verified 55 available values, including qualified SET, PSEi, Tadawul All Share and DFM General supplements. Chile S&P IPSA was a visible remaining gap. Availability can change; the registry count is not a guarantee that every record is presently populated.

Index flags identify the benchmark area. **Stock flags now prefer source-reported company country**, matched to the exact exchange-qualified instrument. That reference is not independently verified legal domicile. If company country is unavailable, a known venue flag carries an explicit **Listing** tag; if both are unknown, a neutral marker appears. Country is not guessed from quote currency or a bare ticker. Inspect the flag's source/basis and retrieval date; retrieval is not an invented corporate-validity date.

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Corrections include the actual **S&P/TSX Composite**, **SSE 50**, **US CBOE VIX** identities and the current CME lumber reference **LBR=F**. Duplicate aliases for one benchmark are consolidated. An unverified name-only fallback cannot become a newly verified symbol.

Currency-reference example

Open **Forex** → **ECB references**, choose a base such as CAD, then inspect a row. The source provides currencies per EUR. Watchtower calculates a cross as **quote-per-EUR ÷ base-per-EUR on the same fixing date**. The reviewed source supplied 30 currencies including EUR and a 90-day reference file. The prior common fixing supplies the comparison, not an invented intraday quote.

For a USD/foreign pair with a 10% rise, the reciprocal foreign/USD return is approximately −9.09%, not −10%: $(1 / (1 + 0.10) - 1) \times 100$. Pair direction therefore matters in FX strength.

ECB information is available free of charge from the ECB. Cross-rates and changes are Watchtower calculations. Fixings are dated reference information, not executable transaction quotes. See market sources and calculations.
</watchtower/market-coverage-methods.html>

US curve

Read the US Treasury curve by tenor and distinguish yields from their changes.

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▼ US curve — reference detail

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Ratios

Inspect the defined market/commodity ratios and the sources behind each comparison.

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Global yields

Compare available government-yield references with their country and source dates.

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Fear & Greed

Inspect the cross-asset Fear & Greed view, its composition and coverage.

- Inspect the sentiment method: Open Fear & Greed and read which inputs the current view uses.
- Compare Market Tone: Inspect its own composition and source state rather than assuming it duplicates the other gauge.
- Calculate a yield change: Use the practice calculator to distinguish basis points, percentage points and relative change.

▼ Fear & Greed — reference detail

Two sentiment views with different meanings

Fear & Greed restores seven cross-asset scopes—US, Europe, Asia-Pacific, crypto, commodities, forex and bonds—plus a composite, seven regional views and the 44 covered country contexts. The release introduced 59 cards. Search for a scope, open its component detail and check the eligible input denominator and source dates.

These are **Watchtower heuristics**, not republished CNN, Alternative.me, CoinMarketCap or TickerTape readings. The publisher directory links those services; a directory link does not mean a live numerical integration. The composite uses available core cross-asset scopes rather than adding their regional/country subdivisions again.

Market Tone remains a separate equal-weight regional price-change screen. Its declared transformation is $\text{clamp}(50 + 12 \times \text{mean qualified one-day index percentage change}, 0, 100)$. Missing and stale inputs are excluded with the denominator shown. Neither view is a calibrated event probability or a promise of predictive performance.

Read bond moves in three units

The updated yield rows and details expose basis points, percentage-point change and relative yield change when the source supports those quantities.

Worked example: a yield moves from 4.00% to 4.10%.

- Percentage-point move: **+0.100 pp**.
- Basis-point move: **+10 bps**, because one percentage point is 100 bps.
- Relative yield change: **+2.50%**, because $0.10 \div 4.00 \times 100 = 2.50$.

That last figure is a change in the yield, **not the bond's price return**. Relative change is withheld when its denominator is unsuitable or the source unit is unknown. Check CSV and evidence details for the same distinction. [Release explanation](#).

Market Tone

Read Market Tone as its own stated price/input-based gauge.

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FX strength

Inspect currency-strength context without confusing reference rates, returns and economic exposure.

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FX strength	Currency changes versus USD using the correct pair direction and reciprocal-return calculation.

Lower Markets and the full-width atlas

Commodities shows native futures quotations; **Indices** shows the registered benchmark universe; **Forex** offers market quotes and ECB references; **Crypto** shows the source-defined asset universe; **Global Stocks** shows the filtered worldwide equity-mover scan. Use the available regional, text, rising/falling, data-gap and period controls. A rising/falling filter requires eligible non-missing change data; an undated source is not automatically a current mover.

Global Markets adds an overview and dedicated **Indices, FX, Commodities, Equities, Crypto, Yields** and **Sources** views. Symbol lookup searches supported public references. Confirm instrument type and exchange: the same ticker can identify different listings. Open the instrument for its existing chart controls, or use the information button for normalized evidence and original fields. CSV reflects the selected view; inspect the export's units, source and observation columns.

Worldwide coverage, flags and identities

The benchmark registry contains **56 indices across 44 countries/areas**. The market release verified 55 available values, including qualified SET, PSEi, Tadawul All Share and DFM General supplements. Chile S&P IPSA was a visible remaining gap. Availability can change; the registry count is not a guarantee that every record is presently populated.

Index flags identify the benchmark area. **Stock flags now prefer source-reported company country**, matched to the exact exchange-qualified instrument. That reference is not independently verified legal domicile. If company country is unavailable, a known venue flag carries an explicit **Listing** tag; if both are unknown, a neutral marker appears. Country is not guessed from quote currency or a bare ticker. Inspect the flag's source/basis and retrieval date; retrieval is not an invented corporate-validity date.

This identity treatment also appears in quote searches, company views, stock-chart headers and portfolio stock rows. Equity display-region filters use the preferred country; the company screener's existing country column is explicitly **Listing country**. CSV adds company/listing country and flag basis. FX displays the base and quote currency areas; EUR uses a union reference. Commodity mini-icons and crypto glyphs supplement names and tickers. Unknown tokens retain a readable badge. [Company-country flag update](#).

Corrections include the actual **S&P/TSX Composite, SSE 50, US CBOE VIX** identities and the current CME lumber reference **LBR=F**. Duplicate aliases for one benchmark are consolidated. An unverified name-only fallback cannot become a newly verified symbol.

Currency-reference example

Open **Forex** → **ECB references**, choose a base such as CAD, then inspect a row. The source provides currencies per EUR. Watchtower calculates a cross as **quote-per-EUR ÷ base-per-EUR on the same fixing date**. The reviewed source supplied 30 currencies including EUR and a 90-day reference file. The prior common fixing supplies the comparison, not an invented intraday quote.

For a USD/foreign pair with a 10% rise, the reciprocal foreign/USD return is approximately –9.09%, not –10%: $(1 / (1 + 0.10) - 1) \times 100$. Pair direction therefore matters in FX strength.

ECB information is [available free of charge from the ECB](#). Cross-rates and changes are Watchtower calculations. Fixings are dated reference information, not executable transaction quotes. See [market sources and calculations](#).

</watchtower/market-coverage-methods.html>

Natural Hazards

Inspect observed hazards, warnings, forecasts and historical/reference layers with their source definitions.

- Read a warning window: Open Weather Alerts and inspect issue/effective/expiry times and source geometry.
- Compare the hazard evidence: Open Natural Hazards for its event and source-specific context.
- Check the layer's meaning: Separate observed events, forecast areas, historical references, advisories and unlocated records.

▼ Natural Hazards — reference detail

Weather Alerts

The global warning view offers country, severity, current/upcoming and multilingual text filters; paginated lists; original information/instructions; source details; map geometry; JSON export; and a country/territory coverage directory.

Read the issuing authority, issue/effective/expiry times, severity and message status. CAP updates and cancellations follow explicit source references. Multiple messages or language blocks are not necessarily separate storms. Japan's JMA municipality/hazard states retain their own levels and are not simply interchangeable with CAP severity categories.

A coverage directory listing does not guarantee complete current delivery for that country. **No reported warning, partial, stale, not integrated** and **unavailable** have different meanings. Warnings without qualified geometry remain in the list; Watchtower does not fabricate a country-centre impact polygon. [Global warning release](#).

Natural Hazards

Use **Natural Hazards** for earthquakes, severe-weather products, fires, tropical systems, volcanic evidence and related observations/reference layers. Its recent expansion reuses still-valid global warnings, adds source event inspection and improves native-unit temperature, rain and snowfall cards.

The volcanic controls include source bulletins and published VAAC observed/+6/+12/+18-hour airborne-ash areas, with source flight levels. **Airborne ash is not ground ashfall, a pyroclastic-flow footprint or an evacuation zone.** An older open EONET listing does not establish a continuing eruption. No synthetic danger cone should be inferred from a volcano point.

Optional historical landslide reports, dated fault traces, reference volcanoes and LHASA model imagery have separate meanings and are generally off until selected. COOLR reports can be historical. GEM fault traces are geological references, not earthquake predictions. Provider-latest LHASA imagery may lack an exposed run timestamp.

Snow depth appears only when a source supplies it; rainfall is not converted to snowfall with an assumed ratio. Preserve observation/forecast/maximum labels, units and accumulation windows. The newness highlight uses an eligible source time for a bounded ten-minute window; refreshing does not restart an event's age. [Expanded hazard methods](#).

</watchtower/natural-hazards-expanded-methods.html>

My Watchtower: your daily research routine

Follow what matters, read your briefing and check your private inbox. Your saved setup belongs to your signed-in account.

Open: My Watchtower in Monitor (Simple) or Investigate (Advanced). Updated 24 October 2026.

Find your way around

- **Overview:** your starting point and latest open briefing.
- **Following:** saved topics, places, news searches and value alerts.
- **Inbox:** notifications you enabled.
- **History:** saved briefing editions.
- **More:** What changed, Briefing schedule, Source coverage, Research pilot and Research tools.
- **Help & tips:** opens this task-based help without losing your form.

Start with one thing to follow

1. Open Following and choose Add a watch. A watch is a saved set of interests, not a trade or an order.
2. Name it, then enter a topic or choose a place or subject area. Start broad: Energy is a useful first area; add a country only if you want to narrow it.
3. Choose whether matching updates should appear in your inbox. Alerts are off for a new topic watch until you choose them.
4. Read the review and choose Save watch. Then use Overview to create your first briefing.

How matching works

A record must match every group you use: places AND areas AND subjects. Choices within one group are alternatives. Canada plus Energy means Canadian-context energy records; adding a company narrows it again.

Topics and company names are source-text or entity mentions. A country mention is context, not proof of an event's location, your exposure or a causal link. Leave optional filters empty for broader coverage.

Following also lists saved news searches and value/source alerts. Edit opens the appropriate native editor so their exact filters, fields and units stay attached. Removing a watch leaves saved briefing editions in History.

Alerts: what arrives and when

1. For matching news and evidence, turn on Inbox alerts in the topic-watch wizard.
2. For a price or numeric value, find the instrument or data in Advanced, select it and choose Set alert. Pick a threshold, amount of change or source-staleness rule and save explicitly.
3. Read new notifications in Inbox. Mark read keeps an item; Dismiss removes it from the active list. Neither action stops its watch.

The first healthy check establishes a starting point. A saved alert does not send an immediate historical notification. Source availability, field definitions, cooldowns and delivery limits affect when an alert arrives.

Value/source watches are checked approximately every five minutes subject to source capacity. Standard watches use the existing server evaluation cycle. Missing or stale values are not zero; incompatible definitions pause comparison. There is a shared limit of 10 deliveries per account per day.

Notifications appear inside Watchtower. These controls do not subscribe you to email, SMS or phone push notifications.

Briefing, History and Pro Brief

Overview creates a source-linked briefing from your topic/place watches or saved news searches. You can create up to four manual editions per day. Value-only alerts deliver to Inbox; add a topic watch to create a narrative briefing.

History keeps up to 30 saved editions. An edition is a dated record: creating a new one does not rewrite the old one. Open an edition to read, download PDF/printable HTML or inspect its sources.

Pro Brief is a separate customizable board of cards. My Watchtower is your saved following setup, generated briefings and alert inbox. Adding a Pro Brief card does not automatically create a watch or enable an alert.

Choose your daily briefing time

1. Open More → Briefing schedule.
2. Use your device's time zone or choose a named time zone, then select a local hour.
3. Choose whether to create a daily briefing and select Save schedule.

The server uses the first healthy retained source snapshot after that local hour. It can run while your browser is closed; it is not a guarantee of delivery at an exact minute. The named time zone handles daylight-saving changes.

This schedule creates a saved briefing in My Watchtower, not an email. Your current saved schedule is shown before editing; changes apply only when you save.

Understand the evidence

Open Source details on an item to see a readable summary, why it matched, the original source time and the captured source snapshot. Technical JSON is inside an optional disclosure.

An observation time describes the source observation. A publication time describes publication. A capture or check time describes Watchtower's read. Refreshing does not make old evidence newly observed.

Delayed, unknown and limited coverage are shown explicitly. No matching records does not mean nothing happened. More → Source coverage shows available evidence and gaps. What changed compares retained source content; first appearance is not proof an event just occurred.

If you get stuck

No briefing yet: save a topic/place watch first. If the source snapshot is delayed, keep your setup and try again after a healthy capture. A price-only watch belongs in Inbox.

No alerts yet: check that the watch has alerts on, allow a healthy baseline check, and review its source state, cooldown and daily limit. Lack of an alert is not a safety signal.

Too few matches: clear a country or area filter, or use a broader phrase. Remember that different groups narrow each other.

Unsaved edits: Back keeps your wizard choices. Cancel or leaving a view asks before discarding changes. A save error keeps the draft so you can correct it. If another device changed your setup, refresh and review before saving again.

Need a copy: Following → Import / export copies watch settings. Import adds watches rather than replacing your collection; imported alert settings apply after your explicit confirmation.

Account changes or replay: private content and in-flight edits are cleared. Return to live mode and verify the correct account to continue.

Optional research pilot

More → Research pilot is optional. Join with your individual invitation and consent; joining does not change your subscription. The existing six task reports remain available there.

Administrators can create invitations and export coded feedback. Five real participants and their submitted results are still needed for the human pilot; automated QA is separate.

Limits and account privacy

Up to 20 watches and 30 retained briefing editions. Watch settings, inbox and saved editions are account-private. Optional pilot feedback is separate from ordinary use. Current access, source availability and deletion protections still apply. No paid AI is needed to use this help or create an ordinary watch.

▼ My Watchtower — reference detail

My Watchtower is the personal daily-workflow workspace. It combines cloud watchlists, acknowledged changes, scheduled briefings, an in-app inbox and usefulness feedback. Its settings and results belong to the verified account.

Create your first watch

1. Open **My Watchtower** and create a clearly named watch, such as “Canada: banking and household debt.”
2. Choose the supported country, domain, company, sector, topic or asset selectors. A focused watch is easier to evaluate than a broad list of everything.
3. Save it and inspect the initial baseline. Existing evidence establishes the starting state; it is not all automatically a new event.
4. Open **What changed**. Review source-content changes, dates and coverage before acknowledging the items you have read.
5. If useful, enable selective alerts with an appropriate priority, cooldown and daily budget. Check the matched rule and evidence in each inbox item.

The initial implementation supports up to 20 watches. Typed thresholds bind to the intended field, units and version. Missing or stale evidence does not silently rearm a condition. Cross-watch deduplication and budgets reduce repeated notifications; they do not prove that every relevant development has been detected.

Personal briefings

Choose your timezone and local briefing hour. A personal edition can include a bounded set of qualified highlights, upcoming schedules, forecast outcomes and source gaps. Open the edition before exporting JSON, HTML or PDF. The saved edition is an immutable research record; later source revisions do not silently rewrite its original evidence.

The server scheduler can continue preparing the in-app workflow independently of an open tab. Delivery here is an **in-app inbox**, not a promise of email or SMS. Browser notification behaviour in other workspaces is separate. Use feedback controls to record whether an alert or briefing was useful, rather than broadening thresholds merely to produce more messages.

An optional research pilot requires an invitation and consent. Participation is separate from plan entitlement; it does not automatically grant additional access or mean that any recruitment target has been filled.

Calendar

Check event schedules, release values, revisions and source time zones.

- Select the calendar window: Open Calendar and choose the relevant region, day or event type.
- Read the release state: Separate scheduled time, actual release, estimate, previous value and revised value.
- Use the event as a question: Connect the release to its native units and specialist workspace; do not treat a scheduled event as a known surprise.

▼ Calendar — reference detail

The **Calendar** combines official and provider schedules, reference periods, prior values and market expectations where supplied. It is a planning tool for upcoming information, not proof that a release has occurred.

1. Select the date range and the relevant country, category or source.
2. Read the event's timezone/time basis. A date-only schedule should remain date-only.
3. Distinguish **scheduled time**, **reference period**, **previous value**, **consensus** and **actual release**. They describe different stages.
4. Open the official source or event detail for publication and revision context.
5. Use the table or fullscreen view for a longer horizon. Its light-theme headers and day groupings are now explicitly styled for readability.

Compare like-for-like units and periods before interpreting a surprise. A percentage-point difference between actual and consensus is not necessarily a relative percentage change. A passed scheduled time with no actual value is an unresolved data state, not an observed zero.

Calendar evidence also appears as catalysts in Forecast Lab, Geopolitical Outlook and reports. Those appearances do not turn a schedule into a forecast or independent corroborating event. See [Calendar methods](#).

</watchtower/economic-calendar-methods.html>

Forecast Lab

Review defined market/scenario/energy targets, evidence, historical research and genuine issued outcomes.

- Read the target definition: Open Forecast Lab and select an instrument/scenario and horizon.
- Inspect the track record: Separate current-vintage research from issued forecasts and compatible resolved outcomes.
- Review an energy assumption: Use Energy's source units, production context and explicit supply assumptions; retain missing denominators and source limits.

▼ Forecast Lab — reference detail

Markets, scenarios and track record

Forecast Lab combines statistical market research, source-linked cross-domain scenarios, weather outlooks, economic catalysts, conditional comparisons, personal browser watches and immutable forecast/evidence records. It also includes the newer Systemic risk and Energy views.

For the original Markets pilot, the nine reference funds are SPY, QQQ, EFA, EEM, TLT, HYG, GLD, USO and UUP. Targets are defined over one, five and twenty NYSE sessions. A displayed directional estimate refers to the stated fund-price return, not every constituent, a country, a spot commodity, a yield or a total-return investment strategy. Distributions, execution costs and slippage are not silently included.

Select an instrument and horizon. Read its base and target session, empirical range, component/analogue evidence and baseline. Then inspect historical and prospective performance separately. Brier score, log loss, calibration and interval coverage answer different questions; a nominal 80% interval still needs observed coverage evaluation.

Live issuance uses actual issue times and freezes its definition, source cutoff and inputs. A missing target session remains awaiting evidence. A source revision can withhold scoring instead of rewriting the original forecast. Previously displayed research is not automatically a backdated issuance.

What-if comparisons and local watches

The What-if Lab selects non-overlapping historical windows meeting a specified reference-fund return condition and examines another fund in the same windows. It needs enough matching cases. This is conditional historical co-movement, not a causal shock-response estimate or a calibrated future conditional forecast.

Forecast Lab's original watches and saved baselines are account-scoped in the browser. Their visible-workspace estimate-change checks do not imply closed-browser delivery. Use My Watchtower's separate server workflow when that is the intended monitoring channel. [Forecast Lab methods](#).

Energy

The Energy view includes price overview, futures curves, production/impact context, a declared supply scenario, sources/coverage, historical observations, research ranges and exports. It brings together EIA, World Bank, EU consumer-price and selected electricity references with native currencies, units, taxes and periods.

Select the series and market before comparing numbers. USD per barrel, USD per MMBtu, EUR per litre, monthly commodity benchmarks and hourly/daily electricity references describe different things. Published futures quotes are delivery-contract references, not expected future spot prices or official settlements unless explicitly identified as such.

The research projection uses a fixed declared historical method and persistence comparison. It is not established live forecasting skill. Current news/weather is context and is not inserted into historical training as though known then. The supply scenario uses explicit local-loss and elasticity assumptions; a missing comparable world total prevents numerical propagation. Production-country shares retain their source years. [Energy methods](#).

</watchtower/forecast-lab-methods.html> · </watchtower/energy-outlook-methods.html>

Social

Inspect public social-source reporting, original posts, source clocks and uncertainty.

- Compare news lenses: Choose Breaking, Economics, Technology, Health/Bio or Natural Disasters for the question at hand.
- Inspect public social context: Review the original post, attribution and time. Treat it according to its source and evidence class.
- Follow a narrative: Use Narratives to compare reported claims and their evolution; inspect originals for important changes.

▼ Social — reference detail

The News area contains **Breaking**, **Economics**, **Technology**, **Health / Bio**, **Natural Disasters**, **Search** and **Narratives**. The separate **Social** workspace is in the main Advanced navigation. Reader topic controls remain

available in expanded/fullscreen views.

Read across sources

Choose a topic, date window and geography, then refine by source type, platform or editorial context where offered. Open the original story or post. Compare publication times and publisher families before interpreting repeated coverage as independent support. Reading-list and saved-filter tools preserve the source metadata needed to revisit the item.

Source type, editorial/political leaning, platform and reliability are not interchangeable. A source can be unclassified without being centrist. Wire status does not guarantee neutrality. Labels may be based on publisher self-description or attributed editorial review and do not assign beliefs to every author or reader.

The expanded source directory includes alternative and libertarian publications and selected public Bluesky, YouTube, Mastodon, Lemmy, PeerTube, Rumble-reference, Odysee and podcast sources. These are bounded reviewed feeds, not complete social-platform firehoses. A publisher-linked video reference may retain the referring article's clock rather than a verified video-upload timestamp. A directory-only channel is a discoverable reference, not a connected feed.

Use **Narratives** to explore themes and related reporting. A cluster describes a grouping, not proof of coordination or truth. When exporting or writing a report, retain publisher URLs, publication dates and relevant source labels. Detailed distinctions are in [media methods](#).

</watchtower/media-methods.html>

Linked Events

Follow related source records, revisions, evidence links and local research context.

- Start with a source record: Open Linked Events and select a topic or record.
- Inspect the relationship: Use Incident Graph to see the stated link, dates and source evidence.
- Resolve the entity: Open Entity Explorer when an organisation, identifier or relationship needs closer inspection.

▼ Linked Events — reference detail

Linked Events: follow source records and revisions

Open **Linked Events** for the feed, filters, timeline, map, associations, sources and recorded changes. Search and narrow by source/type/time before opening a record. Its detail distinguishes occurrence, publication, issuance, source-snapshot and collection clocks where available.

Track a record, add a note or save a view when you want to return to it. The tracker can preserve changes observed since collection began; it does not reconstruct every earlier revision at the publisher. Tracking here is browser-local and does not automatically arm an alert or synchronise to another browser. Export/import or use My Watchtower for its separate cloud workflow.

Associations use shared entities, headline/document evidence and time windows. They are leads for investigation, not causal connections or independent verification. A publisher's country and a place mentioned in text do not automatically establish event coordinates. Relevant unlocated records remain useful in the list.

Incident Graph and Entity Explorer

Incident Graph helps inspect relationships among events, places and related evidence. Select a node or map item, read the relationship description and open the supporting records. Expand the map or description controls when the graph is dense. Ask whether an edge represents a shared reference, inferred association, model relation or observed fact.

Entity Explorer is useful when the subject is an organisation, person, asset or other named entity rather than a single event. Resolve ambiguous names using identifiers and source context. Similar labels can describe different entities; repeated mentions are not evidence of legal ownership or operational control.

A good investigation preserves three things separately: the original record, your relationship hypothesis and the evidence that would confirm or contradict that hypothesis.

Insurance Stress

Compare insurance evidence and worldwide hazard/conflict/unrest context without inferring carrier losses.

- Choose the evidence lens: Open Insurance Stress and inspect the financial or worldwide stress view.
- Read dates, geography and source class: Distinguish hazard observations/warnings, reported conflict/unrest, historical records and original authored CAT references.
- Inspect the financial boundary: A hazard near an asset does not supply a carrier's policies, treaty terms or measured insured loss.

▼ Insurance Stress — reference detail

The navigation tab **Insurance Stress** opens the broader Insurance Risk & Resilience workspace. Its views include country/industry statistics, solvency/capital, premiums/claims, balance sheets, allocation, market development, protection gaps, backstops, catastrophe observations, selected insurer references, histories, comparisons and sources. The older US proxy monitor remains separately labelled.

Choose a financial measure and reporting period before using a map or ranking. Preserve currency multipliers, ratio scale, solo/group scope and provisional/final status. A ratio of 1.0 can mean 100% in the source; EUR million is not EUR. Year-to-date quarters are not independent flows to be summed. Country reporting domicile is not an insurer's entire underwriting footprint.

Source-qualified review flags identify declared thresholds, such as a reported solvency or combined-ratio condition. They are not blended insolvency probabilities. A net combined ratio uses its specified claims/expense and premium basis; investment income and a claims-paid/gross-written-premium calculation are different.

Catastrophe points are source physical-event references. They do not automatically establish insured losses or carrier exposure. EIOPA protection-gap models, historical statistics and dated scheme descriptions retain their

vintages. The selected insurer directory is a reference collection, not a complete licensed-register census. Retain source/derivative/free-original-material notices in exported work.

The current worldwide stress map includes source-qualified natural hazards, military/conflict and civil-unrest context alongside original CAT reference zones. Choose its Layers/view controls and inspect the source class and geometry precision. [Worldwide insurance stress methods](#).

</watchtower/insurance-stress-map-methods.html>

Crypto Intel

Explore token/network, protocol and market evidence with exact identities and source scope.

- Select a crypto view: Open Crypto Intel and identify the token/network or market being discussed.
- Check identities and clocks: Read contract/network identifiers, source time and available coverage before comparing names.
- Keep the evidence classes separate: A price move, protocol metric, exchange event and heuristic risk label answer different questions.

▼ Crypto Intel — reference detail

The lower **Crypto** market tab is a quote view. **Crypto Intel** is the deeper research workspace, with Overview, Markets, Stablecoins, DeFi/venues, Chains, NFTs, Derivatives, Network, Security, Global policy, News and Sources. Existing model/watchlist/analyst functions sit alongside this source-based research.

Search and filter the chosen family, open an asset or protocol, inspect a history and use comparison/export controls where offered. Complete filtered exports can span multiple pages; preserve a coherent source snapshot. Provider rate limits and partial directories remain visible.

Important distinctions

- **Stablecoins:** token supply and USD-valued circulation differ. A non-USD peg requires its proper FX basis; yield/share/fund tokens are not automatically USD1 pegs.
- **DeFi and venues:** TVL, trading volume, fees and revenue are different quantities. Overlapping protocol and chain totals should not be summed blindly. CEX asset references are not proof of solvency.
- **Yield pools:** APY is source-reported context, not a guaranteed forward return.
- **NFTs:** a listed floor is not a bid; floor × supply is not readily liquid market value. Addresses are not people. Collection directories can be partial.
- **Derivatives:** preserve contract type, expiry and native open-interest units. An options notional and a contract count are not the same measure.
- **Security and policy:** distinguish a historical exploit report, an official regulatory reference and an issuer assertion. A directory entry is not a legal approval or reserve audit.

Use the Source view to understand coverage before comparing chains or countries. A country filter in policy references is not a physical-risk map of a blockchain.

Global Bonds

Research curves, sovereign/corporate credit, ratings/CDS, derivatives, offshore currencies and funding sources.

- Inspect Global Bonds: Choose a curve, sovereign, credit, derivatives or funding view and read the source classification.
- Check wider funding context: Open Financial Stress or Deposits and retain each measure's own period and method.
- Inspect a banking reference: Use Bank Run Monitor's institution/source views and the separate Bank CDS table.

▼ Global Bonds — reference detail

Global Bonds: choose a measurement, then its source

Open **Global Bonds** and use Desk, Sovereigns, Markets, Credit, Ratings & CDS, Derivatives, Offshore Currencies, Leverage/Collateral, Structured, Swap Lines/Repo, Flows, Warnings or Sources according to the question. The primary panels distinguish direct observations, contextual prices/proxies, source-required gaps and authored model components.

Read sovereign yield tenors and native units. In fiscal comparisons, general-government debt, central-only debt, consolidation and expenditure/expense definitions stay explicit. Total expenditure and expense are not summed as if they were non-overlapping measures. Source year and estimated/provisional status can differ across countries.

Ratings & CDS contains a separate broad reference workflow for issuers, funds/vehicles and rated instruments, plus public credit-derivative disclosures. See its dedicated lesson for source status, identities, contracts and price distinctions. The aggregate corporate credit/debt model does not become an issuer-level default estimate merely because a company reference is available nearby.

Derivatives, offshore currencies and funding

BIS notional, gross market value and legally netted credit exposure have different meanings. Currency legs and alternative instrument/maturity/rating breakdowns can overlap. Period-matched shares require compatible numerators/denominators. Market size is not measured loss.

Offshore USD/EUR/JPY credit and Hong Kong offshore-RMB deposit measures have source-specific currencies, components and coverage. They are not one complete global Eurocurrency money-supply total. Keep reported stocks separate from illustrative running debt clocks.

Financial Stress, Deposits and Bank Run Monitor

Use Financial Stress and Deposits for their exact funding/liquidity/positioning/price indicators and stated models. In Bank Run Monitor, distinguish official institution/system observations, authored bank-sample diagnostics and reported news/context. A payment outage, stock decline and deposit outflow are different observations.

Bank CDS retains a selected published five-year premium reference with holding-company/operating-bank boundaries and original dates. Its contract details can be incomplete. Wider rating/CDS links lead to the reference

workspace rather than silently replacing model values or inferring deposit safety.

[Government finance methods](#) · [Credit/CDS methods](#) · [Bank evidence methods](#)

[/watchtower/government-finance-methods.html](#) · [/watchtower/credit-ratings-cds-methods.html](#) · [/watchtower/bankrun-evidence-methods.html](#)

Global Markets & Data Search

Open **Advanced / Investigate** → **Global Markets**. The new search combines global instrument discovery with the reviewed Watchtower data catalogue, published data points and retained indexed source records.

Search beyond the movers on screen

1. Enter a company, exact listing symbol, indicator, country or topic.
2. Choose an instrument class or data-domain/source filter if needed.
3. Select **Search globally**. Typing alone does not send a provider search.
4. Switch between **Instruments**, **Data points**, **Source records**, and **Datasets & fields**, or keep **All results** to see each section.

The worldwide-equities and other market snapshot filters now have a **Search globally** action; pressing Enter hands the same query to this search. Their local filter still describes only the rows currently loaded, while the global action queries the broader discovery services.

Use **Expand search** for a full-screen research workspace. Your query, result selection and source inspector remain part of the same search.

Try Apple, RY.TO, 7203.T, 0700.HK, VOD.L, SAP.DE, RELIANCE.NS, SPY, EURUSD=X, BTC-USD, GC=F, inflation, or US deficits 2026. Provider availability and source matches vary; examples are not guaranteed live quotes.

Instruments and listings

Public Yahoo Finance discovery covers supported equities, ETFs, funds, indices, currencies, futures and crypto; TradingView adds recognized equity venue candidates. Queries are sent to those providers without Watchtower cookies or account credentials. The server requests up to 30 candidates from each provider, includes an exact-symbol fallback when applicable, and bounds the retained discovery at 90 candidates.

More instruments pages eight at a time through one five-minute discovery snapshot. Quote reads are separately bounded and source-dated; a page can have missing quotes or partial provider coverage. An expired or mismatched snapshot requires a new search. This is global discovery, not a complete exchange security master or a guarantee of real-time market data.

Check the exact symbol, asset class, exchange, currency and observation time. Cross listings are separate instruments. Company-country reference and listing country are different; unsupported TradingView venue conversions are excluded rather than assumed to be a US listing. GBP and GBp, index points, futures units and FX direction remain distinct. A missing observation time stays unknown.

Open **Charts** for the native instrument view. Its existing actions can track that exact supported selection in Pro Brief or configure an explicit alert.

Watchtower data and evidence

- **Data points** searches all definitions returned by the native public point registry: IDs, labels, descriptions, units, source names and workspace associations. Inspect a result to read its current source-qualified value and underlying fields.
- **Source records** searches the existing permission-aware retained index. Records include indexed fields, articles, events and source excerpts, with provenance. Old indexed prices or rating references are not automatically current quotes or certified current ratings. More records uses native pagination; if the index generation changes, rerun the search rather than mixing pages silently.
- **Datasets & fields** searches every reviewed source definition available through the catalogue, including catalogue-only sources with no indexed matching records. Open a dataset, set its source-native filters, then browse or search the fields and values in the returned response.

The **Search coverage & source dates** panel shows current source/point counts, index materialization time and indexed/catalogue-only/bounded coverage. The current retained index is bounded at one million records; native histories and source pagination can extend beyond it. This does not mean all information in the world is indexed. Private account data, unreviewed feeds and licensed-only provider data are not admitted to this public evidence search.

Inspect fields without leaving Global Markets

1. Choose **Browse source & fields** or **Inspect data**.
2. Review source state, values, units and distinct observation/publication/snapshot/ retrieval clocks. Definitions and original fields are in an optional disclosure.
3. For a dataset, expand **Source-native filters & pagination**. Use the documented read-only view, query, country, year or returned identifier required by that source. **Apply source filters** updates the preview.
4. Select **Browse / search source fields**. Search a field name or value, open nested objects/arrays, or select **Preview this field / record**.
5. The preview keeps stable record identity, original unit, reporting period and status when supplied. Anonymous array values require an explicitly dated reference.

More fields pages the selected response, not the source's entire history. Source-native offset/cursor/snapshot controls are independent and remain visible. Field traversal and source responses are bounded; unavailable and missing data remain explicit, not zero. Some definitions require an exact ID before they can return data. A bulk-only route may not be eligible as a Pro Brief feed.

Save and continue researching

Put in Pro Brief uses the existing owner-bound saved board and keeps Global Markets open. A stable field tracks that source identity; a retained indexed record is a dated reference. Anonymous selections use the native explicit snapshot path. No watch or alert is enabled automatically. Existing card limits and layout/snapshot validation still apply.

Delays, cancellation and account changes

Results arrive independently: a slow market provider does not block searchable Watchtower evidence. Retry the failed section, refine the query, or use Cancel. Source dates on retained results stay unchanged. Instrument discovery is bounded to 7 seconds, quote enrichment to 6 seconds and optional country enrichment to 1.5 seconds; upstream availability still varies. Existing rate/capacity controls apply.

Search state and inspectors clear on account/replay transitions, and late responses are fenced. Each private facade request uses the current verified owner. This search does not require paid AI and does not rebuild the index or force source collectors.

▼ Global Markets — reference detail

The left **Market Overview**, lower **Markets** panel and full-width **Global Markets** now share consistent identities, source dates, units, flags and evidence controls. Use the compact panels for scanning and Global Markets for a wider table or symbol lookup.

Left Market Overview tabs

Tab	Read it this way
Summary	A cross-regional selection of benchmarks, commodity references, currency pairs, digital assets and qualified context. Open the complete inventory below for breadth.
US curve	Nominal Treasury yields arranged by maturity. TIPS are separate real-yield series and are excluded from this nominal curve.
Ratios	Source-aligned comparisons such as gold/silver or equity-index/gold. The dimensions and benchmark scope matter.
Global yields	Country ten-year sovereign yield observations. These are bond yields, not central-bank policy rates.
Fear & Greed	Restored Watchtower cross-asset and geographic heuristic gauges, with component eligibility and source clocks.
Market Tone	A separate descriptive view of qualified regional index price changes.
FX strength	Currency changes versus USD using the correct pair direction and reciprocal-return calculation.

Lower Markets and the full-width atlas

Commodities shows native futures quotations; **Indices** shows the registered benchmark universe; **Forex** offers market quotes and ECB references; **Crypto** shows the source-defined asset universe; **Global Stocks** shows the filtered worldwide equity-mover scan. Use the available regional, text, rising/falling, data-gap and period controls. A rising/falling filter requires eligible non-missing change data; an undated source is not automatically a current mover.

Global Markets adds an overview and dedicated **Indices, FX, Commodities, Equities, Crypto, Yields** and **Sources** views. Symbol lookup searches supported public references. Confirm instrument type and exchange: the same ticker can identify different listings. Open the instrument for its existing chart controls, or use the information button for normalized evidence and original fields. CSV reflects the selected view; inspect the export's units, source and observation columns.

Worldwide coverage, flags and identities

The benchmark registry contains **56 indices across 44 countries/areas**. The market release verified 55 available values, including qualified SET, PSEi, Tadawul All Share and DFM General supplements. Chile S&P IPSA was a visible remaining gap. Availability can change; the registry count is not a guarantee that every record is presently populated.

Index flags identify the benchmark area. **Stock flags now prefer source-reported company country**, matched to the exact exchange-qualified instrument. That reference is not independently verified legal domicile. If company country is unavailable, a known venue flag carries an explicit **Listing** tag; if both are unknown, a neutral marker appears. Country is not guessed from quote currency or a bare ticker. Inspect the flag's source/basis and retrieval date; retrieval is not an invented corporate-validity date.

This identity treatment also appears in quote searches, company views, stock-chart headers and portfolio stock rows. Equity display-region filters use the preferred country; the company screener's existing country column is explicitly **Listing country**. CSV adds company/listing country and flag basis. FX displays the base and quote currency areas; EUR uses a union reference. Commodity mini-icons and crypto glyphs supplement names and tickers. Unknown tokens retain a readable badge. [Company-country flag update](#).

Corrections include the actual **S&P/TSX Composite, SSE 50, US CBOE VIX** identities and the current CME lumber reference **LBR=F**. Duplicate aliases for one benchmark are consolidated. An unverified name-only fallback cannot become a newly verified symbol.

Currency-reference example

Open **Forex** → **ECB references**, choose a base such as CAD, then inspect a row. The source provides currencies per EUR. Watchtower calculates a cross as **quote-per-EUR ÷ base-per-EUR on the same fixing date**. The reviewed source supplied 30 currencies including EUR and a 90-day reference file. The prior common fixing supplies the comparison, not an invented intraday quote.

For a USD/foreign pair with a 10% rise, the reciprocal foreign/USD return is approximately –9.09%, not –10%: $(1 / (1 + 0.10) - 1) \times 100$. Pair direction therefore matters in FX strength.

ECB information is [available free of charge from the ECB](#). Cross-rates and changes are Watchtower calculations. Fixings are dated reference information, not executable transaction quotes. See [market sources and calculations](#).

</watchtower/market-coverage-methods.html>

Global Politics

Read governance indicators, political news and official/report-based legislative updates by source and period.

- Select a country profile: Open Countries and compare the year, definition and coverage of a statistic.
- Inspect politics and legislation: Use Global Politics for political news and bills/legislation, including source-specific stages and dates.
- Follow the source: Separate an indicator, a news report, passage of a bill and legal commencement; keep uncertain status explicit.

▼ Global Politics — reference detail

Countries: build a dated dossier

Choose a country in **Countries** and work through its overview, statistics/trends, encyclopedia, **Demographics**, comparisons and source references. Compare compatible measures and source years; some tools allow up to four countries. Export exact source series with their units and periods.

The country/territory directory is broader than contemporary coverage for every measure. World Bank statistics have publication lags. Wikipedia prose is an on-demand revision-dated reference. Archived CIA Factbook fields retain original dates; the Factbook's retirement does not turn archival text into a current census.

Demographics provides ages/sex, families/health, education/work, migration/living and source-qualified cultural references. A same-year population pyramid requires compatible cohorts and denominators. See the dedicated Demographics lesson for details.

Politics, news and legislation

In **Global Politics**, compare country governance/development measures using their definitions, years and coverage. Use **Political news** or **Bills & legislation** to inspect source-backed records. Select country/topic/source/date and read the source-specific stage. Original publication, capture, observation, passage and effective dates are different clocks.

A publisher's headquarters is not the subject country of its report. Automated subject matches are not verified incident coordinates. Official legislative metadata and news-reported statements retain different evidence classes. Chamber passage is not automatically enactment or current legal force. Read the original record and any known official coverage gap.

The native country/source alert controls prepare a draft for review in Alert Center. An observed discovery/revision sequence is different from the time the event occurred; the first sample establishes a baseline. The guide never saves or enables that rule for you.

[Country demographic methods](#) · [Political news and legislation methods](#)

</watchtower/country-demographics-methods.html> · </watchtower/political-updates-methods.html>

Geopolitical Risk

Inspect country/region outlook, fiscal and market context, evidence, catalysts and defined model outputs.

- Read the country evidence: Open Geopolitical Risk and inspect country-table/source clocks and qualifiers.
- Inspect a scenario: Open Outcome Tree and read its criterion, horizon and contributing inputs.
- Check sensitivity and results: Separate authored assumptions, dependence bounds and actual prospective outcomes before interpreting a model value.

▼ Geopolitical Risk — reference detail

Geopolitical Risk / Outlook

The workspace includes Situation/Outlook, the Country table, forecast exploration, evidence timelines, market expectations, catalysts, track record and sources, with classic diagnostics retained separately. Select a country or region and a horizon, then open the evidence behind the chosen view. Fullscreen map-and-evidence mode keeps the map with collapsible filter and data rails.

Country tables contain source-year fiscal, market, governance and model fields. Check their individual periods and qualifications. A global scenario displayed beside a country does not become that country's probability. Reporting attention describes publication activity in its stated windows; it is not an incidence rate or coverage-adjusted measure of danger.

Compare up to four countries where offered, but keep a consistent indicator definition and date basis. Prediction-market contracts and Calendar catalysts remain separately defined evidence. Optional historical conflict layers are dated context, not a current census. [Geopolitical Outlook methods](#).

Outcome Tree / Global Risk Studio

Outcome Tree makes the authored cross-domain scenario engine inspectable. Its eight non-exclusive scenario families span banking/liquidity, cross-asset dislocation, strategic supply corridors, grid/digital infrastructure, geopolitical escalation, health/biosecurity, mobility/official controls and food/energy pressure. Supported global horizons include 24 hours, seven days and thirty days.

1. Select a scenario and horizon. Read the precise criterion and forecast window.
2. Inspect retained contributors, excluded/context-only inputs and dependency groups.
3. Open the original source records and their clocks. Shared inputs can make models dependent.
4. Use a hypothetical experiment to remove groups, attenuate evidence or change an assumed prior. Observe sensitivity without treating it as a real intervention.
5. Inspect the track record and resolution state before interpreting a numerical estimate as demonstrated predictive skill.

These scenarios are not mutually exclusive, so their values do not sum to 100%. Published conditional pathways are shown only where the source model supports them. Compound-risk views use dependence-agnostic mathematical bounds rather than assuming independence. A sensitivity range is not automatically a confidence interval.

Saved experiment recipes are account-local browser preferences. Reapplying a recipe to a newer capture can produce a different experiment; read the changed-capture message. An active experiment may stay on its accepted capture until you explicitly refresh. [Outcome Studio methods](#).

</watchtower/geopolitical-outlook-methods.html> · </watchtower/outcome-studio-methods.html>

Outcome Tree

Explore authored cross-domain scenario pathways, sensitivity, dependence and outcome evidence.

- Read the country evidence: Open Geopolitical Risk and inspect country-table/source clocks and qualifiers.
- Inspect a scenario: Open Outcome Tree and read its criterion, horizon and contributing inputs.
- Check sensitivity and results: Separate authored assumptions, dependence bounds and actual prospective outcomes before interpreting a model value.

▼ Outcome Tree — reference detail

Geopolitical Risk / Outlook

The workspace includes Situation/Outlook, the Country table, forecast exploration, evidence timelines, market expectations, catalysts, track record and sources, with classic diagnostics retained separately. Select a country or region and a horizon, then open the evidence behind the chosen view. Fullscreen map-and-evidence mode keeps the map with collapsible filter and data rails.

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</watchtower/geopolitical-outlook-methods.html> · </watchtower/outcome-studio-methods.html>

Countries

Build country dossiers, compare source series and inspect demographics, profiles and source references.

- Select a country profile: Open Countries and compare the year, definition and coverage of a statistic.
- Inspect politics and legislation: Use Global Politics for political news and bills/legislation, including source-specific stages and dates.
- Follow the source: Separate an indicator, a news report, passage of a bill and legal commencement; keep uncertain status explicit.

▼ Countries — reference detail

Countries: build a dated dossier

Choose a country in **Countries** and work through its overview, statistics/trends, encyclopedia, **Demographics**, comparisons and source references. Compare compatible measures and source years; some tools allow up to four countries. Export exact source series with their units and periods.

The country/territory directory is broader than contemporary coverage for every measure. World Bank statistics have publication lags. Wikipedia prose is an on-demand revision-dated reference. Archived CIA Factbook fields retain original dates; the Factbook's retirement does not turn archival text into a current census.

Demographics provides ages/sex, families/health, education/work, migration/living and source-qualified cultural references. A same-year population pyramid requires compatible cohorts and denominators. See the dedicated Demographics lesson for details.

Politics, news and legislation

In **Global Politics**, compare country governance/development measures using their definitions, years and coverage. Use **Political news** or **Bills & legislation** to inspect source-backed records. Select country/topic/source/date and read the source-specific stage. Original publication, capture, observation, passage and effective dates are different clocks.

A publisher's headquarters is not the subject country of its report. Automated subject matches are not verified incident coordinates. Official legislative metadata and news-reported statements retain different evidence classes. Chamber passage is not automatically enactment or current legal force. Read the original record and any known official coverage gap.

The native country/source alert controls prepare a draft for review in Alert Center. An observed discovery/revision sequence is different from the time the event occurred; the first sample establishes a baseline. The guide never saves or enables that rule for you.

[Country demographic methods](#) · [Political news and legislation methods](#)

</watchtower/country-demographics-methods.html> · </watchtower/political-updates-methods.html>

Bayes Threat · Ancap Welcomeness

Inspect declared country-comparison pillars, missing-input bounds and source-qualified tax/fee details.

- Inspect the declared pillars: Open Bayes Threat · Ancap Welcomeness and choose a country.
- Review the source and missing-input bounds: Read the model weights, observation years and coverage before using the rank.
- Inspect a tax or fee: Keep jurisdiction, residency/conditions, currency, effective/review dates and service scope with the value.

▼ Bayes Threat · Ancap Welcomeness — reference detail

Bayes Threat · Ancap Welcomeness now opens with country scores and independently refreshed evidence. Its country search, regional selection, comparisons, dossiers, pillar audit and JSON export provide several levels of detail.

Understand the score before ranking countries

The declared model uses twelve value pillars and a 60/40 liberty/practical balance. It is a value-based comparative model, not a probability that an event will happen or a personal guarantee about relocation. All 250 country/territory references can receive numerical estimates, but ranking eligibility depends on data-backed coverage. A neutral placeholder for missing evidence is not an observed average country outcome.

Select a country, open its pillar and source/weight breakdown, and inspect the reporting/review periods. Missing-input ranges are sensitivity bounds, not statistical confidence intervals. Related WGI and V-Dem evidence should not be treated as independent confirmation merely because it appears in separate rows. Historical comparisons must retain their model version.

Taxes & fees

The Taxes & fees view brings together source-reviewed professional tax summaries, World Bank fiscal/fee histories and selected official registry fees. Choose the country and tax category, then read the jurisdictional scope and conditions. Personal and corporate taxes, inheritance and gifts, and federal versus local charges are distinct.

A headline VAT or income-tax rate is not an effective tax bill for every person. A publisher's review date is not automatically a law's effective date. Conditional schedules should not be reduced to their first number. Historical Doing Business benchmarks remain historical; a listed incorporation fee applies to its stated service/channel and currency.

The declared fiscal screen uses fixed weights and explicit missing-input bounds. Unsupported local, social, sectoral, residency, relief and fee coverage remains a gap. Use the original authority/professional source for a specific legal or tax situation. [Welcomeness methods](#) · [Tax and fee methods](#).

</watchtower/ancap-welcomeness-methods.html> · </watchtower/country-tax-fees-methods.html>

Global Wealth / Affordability

Read wealth, consumer-price and affordability evidence with source years, currencies and comparison scope.

- Choose a wealth or price lens: Open Global Wealth / Affordability and read its evidence labels.
- Inspect the comparison basis: Separate nominal/real/PPP, currency, observation year and the model's selected coverage.
- Review a discovery item: A hardship headline or affordability screen is context; confirm important claims with original evidence.

▼ Global Wealth / Affordability — reference detail

Global Wealth / Affordability brings together observed price/income/wealth statistics, alternative measures, investment-category references and a real-value lab. Its broader research views cover official inflation, wealth and inequality, national capital, household portfolios, income/wages, housing/rents, food, living standards, debt/taxes, rates/money and resources.

Start with the country and indicator, not an assumed overall wealth ranking. Open an exact series to check its population, sector, frequency and unit. National capital is not household wealth; average wages are not every worker's pay; a rebased housing ratio is not automatically years of income.

Official CPI, annualised one-month inflation, twelve-month inflation and alternative measures have different windows. A Big Mac PPP comparison is a purchasing-power proxy, not an inflation rate. FAO food-price indices describe an international basket rather than a household's local shopping bill. PPP dollars and market-exchange-rate USD should remain separate.

The investment-category directory explains roles and limitations of equities, bonds, cash, housing, REITs, metals, commodities, land, infrastructure, private markets, pensions, human capital, digital assets and collectibles. It does not assign guaranteed returns. Reference-only commercial measures do not imply a subscription or numerical data entitlement.

In the **real-value lab**, choose explicit nominal-return, fee-drag and inflation assumptions. The real growth factor is $(1 + (\text{nominal} - \text{fee drag})/100) / (1 + \text{inflation}/100)$. A copied historical CPI value becomes a labelled assumption, not a future inflation forecast. Save the assumptions with the result so another reader can reproduce the scenario.

Monetary Predictions

Explore monetary/gold/resource evidence and declared scenario or comparison methods.

- Inspect the selected monetary view: Open Monetary Predictions and read the target, source date and method.
- Separate the gold measures: Keep holdings, flows, market prices and estimates in their stated units and periods.
- Compare resource evidence: In Commodity Wars, inspect source definitions and compatible country/resource periods before comparing a rank.

▼ Monetary Predictions — reference detail

Monetary Predictions contains several related but distinct research areas. Use the internal navigation to move between monetary/hyperinflation context, Gold and **Commodity Wars 2030**. Read the selected model's input definitions, source periods and evidence gaps before interpreting a ranking.

Monetary and gold research

Monetary screens combine the source evidence and declared methodology available in the workspace. A stress ranking or authored estimate is not automatically a calibrated probability of hyperinflation. Compare the underlying inflation, money, exchange-rate and fiscal observations rather than only the headline score.

Gold research links bullion/currency context, official reserve references and mine-production evidence where supplied. Separate a reserve stock from annual mine production, a futures quote from physical-dealer pricing, and tonnes from currency-valued holdings. Country references do not imply that all reserves have been independently audited by Watchtower.

Commodity Wars 2030

This is a source-based country resource/planning atlas. Choose a metric, reference year and estimate policy, then compare countries on the **same measure, basis, unit and year**. The reviewed catalogue initially contained 309 separate measures and a critical-material applications directory. “2030” is planning branding, not a forecast that a commodity conflict will occur in that year.

Production, reserves, resource endowments and processing capacity are different measures. Freshwater resources and adverse water stress point in different directions. Missing first-stage quantities remain unscored. A same-basis 0–100 ranking is relative to its eligible set; it is not a probability or a universal resource-security score.

Use Commodity Atlas to inspect physical references and Companies to investigate issuers, while retaining the distinction between national production statistics, mapped sites and company disclosures.

CBDC & Digital Money

Compare digital-money programmes and CBDC policy evidence with source-reported development stages.

- Resolve the sanctions subject: Open Sanctions / Ownership and inspect identifiers, programme, jurisdiction and dates.
- Compare ownership evidence: Treat names and relationship links as source-qualified matches, not automatic legal conclusions.
- Inspect the digital-money programme: Use CBDC & Digital Money and read whether a programme is researched, piloted, proposed or operating.

▼ CBDC & Digital Money — reference detail

Sanctions, trade controls and ownership

Open **Sanctions / Ownership** for listed targets, entities, individuals, vessels/aircraft, trade/export controls, country/thematic regimes and sources. Search for an identifier and open the exact source entry. Preserve the list/programme, measure, reasons and dates.

List entries can overlap and are not a deduplicated population of legally resolved identities. Similar names do not establish identity. Blocking, sectoral restrictions, banking measures, licensing requirements, verification lists and procurement/import rules are distinct. A source programme's update date is not automatically a designation date.

Country programme maps do not establish a universal embargo or a restriction's severity. Ownership search/reporting remains a separate research tool; the workspace does not automatically resolve ownership chains or apply every jurisdiction's ownership rule. Use the issuing authority's current record for a specific case.

CBDC & Digital Money

Explore country ratings, retail CBDCs, wholesale money, private money, cross-border projects, regulation, stablecoin context, dated evidence, comparison and source gaps. Select the track before comparing countries.

The declared maturity bands run from research through design/prototype, controlled pilot, limited operation and operational product. They are **ordinal deployment stages**, not percentages of national readiness, adoption, privacy, safety or investment merit. A country rating is based on eligible explicitly mapped project evidence within one track.

A shared project can cover several jurisdictions without becoming several independent programmes. A completed historical pilot is not necessarily current operation. Private stablecoins and tokenised deposits are not CBDCs; supported currency or partner participation does not establish national adoption. Editorial review and source availability expire separately, so a fetched page does not automatically renew a rating.

Mobility Intel

Inspect airport, port, rail, border, corridor and transit references/observations with coverage limits.

- Inspect a mobility node: Open Mobility Intel and use the appropriate airport/port/rail/border/transit layer.
- Inspect marine context: Use Marine for source-qualified maritime and chokepoint evidence.
- Keep reference and observation separate: A catalogue location, vessel contact, route connection and disruption threshold can have different dates and meanings.

▼ Mobility Intel — reference detail

Marine

Use **Marine** to investigate the available vessel, port, shipping and chokepoint references. Inspect the source and geographic coverage before interpreting a ship count. Public AIS samples may be regional, delayed or incomplete; a last-known position is not a current confirmed location. Embedded third-party views retain the provider's own coverage and access.

Compare a port or route observation with its source time, baseline and relevant event evidence. A position or traffic count does not directly establish cargo, ownership, delay, capacity utilisation or cause. Use Commodity Atlas and Infrastructure for physical context without treating nearby reference assets as proven affected assets.

Mobility Intel

Mobility connects ports/chokepoints, aviation weather/status and selected rail, border or corridor evidence. Its direct-evidence views retain native records, scope and formulas. PortWatch activity, METAR weather, FAA restrictions and sampled Finnish rail observations measure different things.

A weather report is not an airport-congestion reading. A scoped FAA restriction does not imply an airport-wide closure. Predicted rail timing is distinct from observed lateness. A same-weekday activity baseline needs adequate comparable samples; insufficient or stale data should not become an infinite anomaly score or a quiet condition.

For an investigation, choose one node/corridor, inspect its original operational series, then add weather, infrastructure and reporting as separately labelled context. Distinguish reference corridors from measured operations and preserve that distinction in exports.

Global Debt

Research sector/country debt evidence and source-anchored optional debt-clock illustrations.

- Select a debt definition: Open Global Debt and choose the sector, geography and period.
- Inspect the anchor: Read the source stock, units, covered economies and any extrapolation label.
- Compare like with like: Keep government, household, corporate and total nonfinancial debt definitions separate; distinguish reported values from running illustrations.

▼ Global Debt — reference detail

Global Debt covers household, consumer, card, mortgage, business, private, government, total nonfinancial, servicing, arrears, rates and related statistical families. It also retains the earlier Real Estate analysis in its own section. Use the atlas, country dossier, comparison and exact-series histories to understand the selected measure.

Compare a debt measure correctly

1. Choose the sector and measure before choosing the country ranking.
2. Read the reporting period and units: currency amount, percent of GDP, service ratio or borrowing rate.
3. Preserve valuation and lender scope. Market-value and nominal government debt are separate measures.
4. Compare like periods and definitions; do not add household/corporate totals to a private total that already contains them.
5. Export the selected series and source definition when using it outside Watchtower.

Reported, Run, Pause and Resume

The clock shelf starts in **Reported** mode. **Run** extends the latest reported stock using the declared four-quarter change and elapsed time. **Pause** freezes the model instant; **Resume** catches up. **Reported** returns to the source stock. A refresh or button click does not create a new observed balance.

The initial clock registry contained 248 models: 242 country measures and six covered-economy subtotals. Those totals cover the source's participating economies, not necessarily all world debt. Clock rates can include exchange-rate effects, valuation changes and revisions; they are not measured second-by-second borrowing or interest.

Running values are gated by comparable consecutive quarters, source age and projection bounds. Missing country measures remain missing. Pins can be displayed in **Signal Board**; playback is session state, while pins are owner-scoped preferences. For the reasoning behind the animation, see [source-anchored debt clocks](#).

Global Risk Overview

Use Global Risk Overview's country/region evidence map, matrix and embedded Systemic workbench.

- Select a country/domain: Open Global Risk Overview and locate the country control.
- Read drivers and coverage: Inspect the original source dates, excluded inputs and the meaning of the evidence-pressure score.
- Review Systemic outcomes: Use the embedded Systemic workbench or Forecast Lab; inspect frozen definitions and prospective performance.

▼ Global Risk Overview — reference detail

One home for country, regional and systemic research

Global Risk Overview combines the former Risk Overview and Systemic entry points. Start with **Risk map** or **All-domain matrix**, choose a country or region, then select the evidence domain and lookback. The current overview

provides 20 domains across five evidence families. Its 1/7/30-day controls are evidence lookbacks, not forecast horizons.

Open **Drivers & source evidence** to inspect the original observations, reporting periods, geography and source lineage. Missing, stale, expired or unsupported inputs remain unknown. Grey/unassessable areas are not certified low-risk areas. Composite evidence-pressure indices need sufficient independent-family coverage; source volume alone does not establish probability or confidence.

Systemic research and track record

Use the embedded **Systemic outlook & track record** workbench, also available in Forecast Lab. Read **Current, Outlook, Impact & dependencies, Evidence, Track record** and **Methods** for their distinct purposes. The Systemic framework's fourteen domains and frozen financial/regional targets remain separate from the overview's twenty-domain evidence map.

1. Select the exact target, model and horizon. Financial fund-price outcomes are not country crisis probabilities.
2. Inspect source cut-off, original input times, coverage and excluded/context-only evidence.
3. Separate a source-supported exposure share from an assumed relationship; a graph edge alone does not quantify loss.
4. Read genuinely issued prospective records and compatible outcomes separately from current-vintage historical reconstruction.
5. Keep unresolved and insufficiently sampled outcomes unresolved. Historical fit is not demonstrated live calibration.

The financial Systemic expansion defines 58 terminal-loss, close-path-loss and joint-decline targets over 1/5/20 NYSE sessions. Regional warning research uses its exact sampled CAP-message criteria and requires adequate sampling before inferring a negative. Use the current target/method definitions in the workspace.

Legacy workflows retains older regional-matrix watches, playbooks and briefing archives with their original meaning. It is not another independently calibrated country forecast.

[Global Risk Overview methods](#) · [Systemic methods](#)

</watchtower/global-risk-overview-methods.html> · </watchtower/systemic-risk-methods.html>

Data Q&A

Ask supported structured questions and inspect reviewed source values, evidence and native pages.

- Start with structured evidence: Open Data Q&A and choose a source/measure/period.
- Choose an AI task deliberately: Use Assistant for the relevant bounded task and inspect the source selection before Run AI.
- Review the deeper report scope: Open AI Analysis/Deep Analyst when an entitled report is appropriate. Check evidence, costs and provider/account status first.

▼ Data Q&A — reference detail

Deterministic Data Q&A

Data Q&A supports structured lookup over reviewed public sources. Use Ask, the source/dataset catalogue, Evidence, Browser snapshots and Methods to inspect what was read. Specify a country, measure and period when relevant. Keep units, reporting years and source coverage with every result. A registered dataset, a successful response and an original observation are different states.

The original lookup workflow remains distinct from the model-assisted **Semantic search & Data Q&A** task. Use the explicit AI handoff when you want interpretation or query expansion. Completing one displayed page does not mean an entire upstream source was read.

Assistant, AI Analysis and Oracle

The header **Assistant** offers 13 bounded research/help tasks. Choose the task, review the current public context and sources, use Preview evidence, and choose Run AI when ready. Generation uses the eligible account's configured OpenAI connection and existing request limits. A configured key is not proof that the provider will accept every request. Opening the learning guide makes no model request.

AI Analysis / Deep Analyst supports a deeper question/report workflow with its current scope and entitlement. **Oracle** is a separate interface. Check the relevant account/provider/credit terms in the actual tool rather than assuming all three have identical funding or persistence.

A useful question includes purpose, geography/entity, period, output and evidence standard: 'Summarise the selected funding and shipping evidence; separate observations, model context and missing coverage, and cite original dates.' This is a request example, not a claim about current events.

Read citations and exact supporting spans. Source support does not establish source truth, exhaustive coverage or model calibration. An AI answer does not silently become an official score, a saved case or an enabled rule. Native actions and private persistence require their own explicit controls.

[Assistant capabilities](#) · See the full Assistant tools lesson in this guide.

</watchtower/assistant-guide.html>

AI Analysis

Use the entitled deeper AI analysis/report workflow with explicit question, evidence and account scope.

- Start with structured evidence: Open Data Q&A and choose a source/measure/period.
- Choose an AI task deliberately: Use Assistant for the relevant bounded task and inspect the source selection before Run AI.
- Review the deeper report scope: Open AI Analysis/Deep Analyst when an entitled report is appropriate. Check evidence, costs and provider/account status first.

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Assistant, AI Analysis and Oracle

The header **Assistant** offers 13 bounded research/help tasks. Choose the task, review the current public context and sources, use Preview evidence, and choose Run AI when ready. Generation uses the eligible account's configured OpenAI connection and existing request limits. A configured key is not proof that the provider will accept every request. Opening the learning guide makes no model request.

AI Analysis / Deep Analyst supports a deeper question/report workflow with its current scope and entitlement. **Oracle** is a separate interface. Check the relevant account/provider/credit terms in the actual tool rather than assuming all three have identical funding or persistence.

A useful question includes purpose, geography/entity, period, output and evidence standard: 'Summarise the selected funding and shipping evidence; separate observations, model context and missing coverage, and cite original dates.' This is a request example, not a claim about current events.

Read citations and exact supporting spans. Source support does not establish source truth, exhaustive coverage or model calibration. An AI answer does not silently become an official score, a saved case or an enabled rule. Native actions and private persistence require their own explicit controls.

[Assistant capabilities](#) · See the full Assistant tools lesson in this guide.

</watchtower/assistant-guide.html>

Incident Graph

Inspect source-linked incident context and graph relationships without assuming independent verification.

- Start with a source record: Open Linked Events and select a topic or record.
- Inspect the relationship: Use Incident Graph to see the stated link, dates and source evidence.
- Resolve the entity: Open Entity Explorer when an organisation, identifier or relationship needs closer inspection.

▼ Incident Graph — reference detail

Linked Events: follow source records and revisions

Open **Linked Events** for the feed, filters, timeline, map, associations, sources and recorded changes. Search and narrow by source/type/time before opening a record. Its detail distinguishes occurrence, publication, issuance,

source-snapshot and collection clocks where available.

Track a record, add a note or save a view when you want to return to it. The tracker can preserve changes observed since collection began; it does not reconstruct every earlier revision at the publisher. Tracking here is browser-local and does not automatically arm an alert or synchronise to another browser. Export/import or use My Watchtower for its separate cloud workflow.

Associations use shared entities, headline/document evidence and time windows. They are leads for investigation, not causal connections or independent verification. A publisher's country and a place mentioned in text do not automatically establish event coordinates. Relevant unlocated records remain useful in the list.

Incident Graph and Entity Explorer

Incident Graph helps inspect relationships among events, places and related evidence. Select a node or map item, read the relationship description and open the supporting records. Expand the map or description controls when the graph is dense. Ask whether an edge represents a shared reference, inferred association, model relation or observed fact.

Entity Explorer is useful when the subject is an organisation, person, asset or other named entity rather than a single event. Resolve ambiguous names using identifiers and source context. Similar labels can describe different entities; repeated mentions are not evidence of legal ownership or operational control.

A good investigation preserves three things separately: the original record, your relationship hypothesis and the evidence that would confirm or contradict that hypothesis.

Entity Explorer

Explore reported entities and relationships; review identifiers and source lineage.

- Start with a source record: Open Linked Events and select a topic or record.
- Inspect the relationship: Use Incident Graph to see the stated link, dates and source evidence.
- Resolve the entity: Open Entity Explorer when an organisation, identifier or relationship needs closer inspection.

▼ Entity Explorer — reference detail

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A good investigation preserves three things separately: the original record, your relationship hypothesis and the evidence that would confirm or contradict that hypothesis.

Sanctions / Ownership

Inspect sanctions/ownership references with exact identities, authority, programme and dates.

- Resolve the sanctions subject: Open Sanctions / Ownership and inspect identifiers, programme, jurisdiction and dates.
- Compare ownership evidence: Treat names and relationship links as source-qualified matches, not automatic legal conclusions.
- Inspect the digital-money programme: Use CBDC & Digital Money and read whether a programme is researched, piloted, proposed or operating.

▼ Sanctions / Ownership — reference detail

Sanctions, trade controls and ownership

Open **Sanctions / Ownership** for listed targets, entities, individuals, vessels/aircraft, trade/export controls, country/thematic regimes and sources. Search for an identifier and open the exact source entry. Preserve the list/programme, measure, reasons and dates.

List entries can overlap and are not a deduplicated population of legally resolved identities. Similar names do not establish identity. Blocking, sectoral restrictions, banking measures, licensing requirements, verification lists and procurement/import rules are distinct. A source programme's update date is not automatically a designation date.

Country programme maps do not establish a universal embargo or a restriction's severity. Ownership search/reporting remains a separate research tool; the workspace does not automatically resolve ownership chains or apply every jurisdiction's ownership rule. Use the issuing authority's current record for a specific case.

CBDC & Digital Money

Explore country ratings, retail CBDCs, wholesale money, private money, cross-border projects, regulation, stablecoin context, dated evidence, comparison and source gaps. Select the track before comparing countries.

The declared maturity bands run from research through design/prototype, controlled pilot, limited operation and operational product. They are **ordinal deployment stages**, not percentages of national readiness, adoption, privacy, safety or investment merit. A country rating is based on eligible explicitly mapped project evidence within one track.

A shared project can cover several jurisdictions without becoming several independent programmes. A completed historical pilot is not necessarily current operation. Private stablecoins and tokenised deposits are not CBDCs; supported currency or partner participation does not establish national adoption. Editorial review and source availability expire separately, so a fetched page does not automatically renew a rating.

Cyber Exposure

Read vulnerability, incident and network context without equating a reference with a confirmed compromise.

- Read the disruption evidence: Open Outages and select a source/service/geography with its original date.
- Inspect cyber evidence: Use Cyber Exposure for source-specific vulnerabilities, incidents and network context.
- Check the causal claim: An outage and a vulnerability record do not by themselves establish a common cause or a compromised organisation.

▼ Cyber Exposure — reference detail

World Disruption Observatory

Outages brings together service incidents and other disruption-related evidence with source/time/location filters, maintenance/recovery/context/stale controls, a map, an unlocated list and exports. Open the source detail before treating a coloured marker as an ongoing failure.

A provider status notice, planned maintenance, a recovery message and a measured regional power fault are different records. An unlocated cloud-service event should not acquire a headquarters “impact point.” Satellite orbit positions are not customer-impact footprints. Old standing-status notices are not newly failed systems. Source record counts are not unique outage counts.

Cyber Exposure

The deeper cyber workspace includes advisories, CISA KEV, EPSS, recent critical CVEs, package advisories, Internet measurements, response directories, ATT&CK, reporting, dated C2 history and sources. Select the view and identifiers, inspect native evidence and export a coherent filtered selection.

CVSS describes technical severity; **KEV** records known exploitation under its catalogue rules; **EPSS** is a defined thirty-day exploitation estimate/rank. A due date can apply to a particular regulated audience. None of these alone proves that your organisation runs a vulnerable affected version.

Country lenses may show measurement samples, issuing jurisdictions, directory references or report associations. They are not automatically attack-origin/victim locations or national cyber-safety rankings. Historical hosting

references remain historical even if a retained source flag once said “online.” Use the original advisories and affected-version detail for a concrete exposure investigation.

Satellite & Sensor Data

Inspect satellite/sensor references, dated imagery comparisons and epoch-qualified pass calculations.

- Inspect the space-weather panel: Compare Live, Threats, Forecast, Aurora, Asteroids and Sources for their different products.
- Inspect a satellite reference: Open Satellite & Sensor Data and read catalogue/element/source epochs.
- Use imagery or pass tools carefully: A dated image comparison and a pass calculation are source/geometry-specific products, not current sensor collection or guaranteed visibility.

▼ Satellite & Sensor Data — reference detail

Space Weather tabs

The Space Weather area contains **Live**, **Threats**, **Forecast**, **Aurora**, **Asteroids** and **Sources**. Use it to distinguish measured solar-terrestrial conditions, official NOAA products, research models and NASA/JPL orbital references.

Live/Threats can include Kp, solar wind, radiation channels and official R/S/G scale context. Read channel, unit, quality flag and validity time. Kp, local K, Dst and geoelectric fields are different quantities. Missing official values should not be interpreted as G0/R0/S0. A regional geoelectric model is not a measured induced-current or power-failure map.

Aurora uses model fields and their valid times, not a direct sky observation. Inspect a cell, frame date and hemisphere/world view. Cloud, local terrain and light pollution affect what a person sees and are not automatically represented. GloTEC background-only versus observation-supported cells have their own support meaning.

Asteroids separates orbital catalogue references, predicted close approaches, Sentry monitoring, Scout candidates and historical fireballs. MOID is a distance between orbital paths, not a predicted simultaneous encounter. PHA classification is not an impact prediction. Source orbital epochs and TDB approach dates differ from a present-time position. [Space Weather methods](#).

Satellite & Sensor Data

Search the orbital/reference catalogue, filter ownership/type/coverage, select an object and inspect its source elements, epoch and projected track. Positions calculated from orbital elements are estimates with age limits. Missing or incompatible elements do not acquire invented positions.

Ownership references can be uncertain or use classifications that are not simple ISO countries. An organisation attached to a station module is not necessarily the owner of the whole station. Object counts can include reference/uncertain records and are not a count of confirmed operational satellites. Layers and fullscreen controls change presentation while retaining these qualifications.

</watchtower/space-weather-methods.html>

Infrastructure

Explore physical/network layers, street imagery, private GIS, drawing and map briefings.

- Choose an asset/network layer: Open Infrastructure and find the relevant layer/source controls.
- Inspect the feature: Read its identifier, source, date, geometry meaning and operating/proposed/unknown lifecycle.
- Compare network context: Use Pacific/subsea and integrated tools where useful; do not infer live flow or exact routes from schematic links.

▼ Infrastructure — reference detail

Infrastructure is the physical/network reference workspace: use the available asset and network layers, search, map inspection and source controls to investigate power, communications, data centres, exchanges, pipelines and related systems. Distinguish a mapped reference network from a measured service outage or current flow.

Pacific cable connections

The recent update makes the map wrap across the date line and adds a **Pacific cables** view. The selected FASTER, Unity, JUPITER, PLCN and PC1 connections are drawn as purple dashed schematic links between approximate, system-specific localities. They describe **same-system connectivity**, not surveyed seabed paths, precise landing locations or inferred cross-connects between neighbouring systems.

Open a line or locality, read the system/source description and use the original operator or specialist reference. Omitted branches and source history remain explicit. A reference to a cancelled route does not make it part of the current schematic; the cancelled PLCN Hong Kong branch is excluded.

Underwater power and pipelines

Use the **Undersea networks** controls for power/pipeline layers, search, lifecycle/history and Pacific/world framing. The parent layer matters: power follows Power or Global Grid, pipelines follow Pipelines, and schematic communications follow Fibre/Cables. If an overlay is unexpectedly absent, check the parent toggle first.

The October OSM reference capture contained 3,260 power ways and 15,332 pipeline ways, including inland-water crossings. These are mapped ways, not unique complete systems or an exhaustive operating inventory. Construction, proposed, disused and abandoned tags affect the default view; unverified lifecycle is not assumed operational. Shared-node components describe mapping topology, not proven live flow.

Native infrastructure, atlas overlays and these supplemental references have separate counts and scopes. Preserve OSM/ODbL or the stated schematic attribution in exports. [Subsea methods](#) · [Fibre methods](#).

</watchtower/infrastructure-subsea-methods.html> · </watchtower/infrastructure-fibre-methods.html>

War Room

Use guided place/dam/history questions or the full investigation, case and terrain/radio tools.

- Start with a clear question: Open War Room → Simple view and choose Check a place, Find a dam or Explore map.
- Inspect sources and assumptions: Read the chosen catalogue, historical period, geometry and any volume/terrain gaps.
- Use All tools deliberately: Open the full investigation/planning controls when needed; preserve your native case and explicitly chosen scenario inputs.

▼ War Room — reference detail

Start with Simple view

Open **War Room** and use the clear starting choices: **Check a place**, **Find a dam**, **Explore map** and **Help**. The **All tools** control returns to the complete monitoring, investigation and planning interface. These are War Room display choices, separate from the Simple/Extended levels of this guide.

For a place question, choose the intended location or a map point, select the radius and historical period, then read the summary and source details. A search radius is not a hazard footprint; no matching records does not establish safety. Country extents need an actual point rather than an invented country-centre observation. The summary can be downloaded as text for the chosen scope.

Dams, terrain and historical records

The source picker keeps GDAT, GeoDAR and the GDW viewer extract separate. Their identifiers, counts, geometry and capacity definitions differ; nearby rows are not automatically the same dam. A reservoir outline is not a catchment or flood polygon. Published storage capacity is not current storage. Terrain/place references, storm tracks and historical hazards retain their source dates and geometry meaning.

A water-budget example requires an explicit chosen/reported volume, fraction and duration. The fraction 25% means 0.25. A static water-on-terrain example and a radio line-of-sight calculation use stated assumptions and the native models. They do not establish a dam breach, arrival time, flow velocity, casualties, evacuation route, access permission or guaranteed reception. Missing terrain remains unknown.

Investigations and saved work

Use the native Monitor/Investigate/Tools workflows in All tools for source-linked cases, imagery and planning. The current War Room workbench provides authenticated owner-scoped server cases with its Save/Open/share controls. Read the save/share status before assuming a draft is persisted or another person can access it. Guided place/scenario selections and comparisons have their own session/export semantics. Private browser GIS layers and map notes belong to their own storage system.

Native fullscreen keeps the same iframe, map and draft context, with a fallback when browser fullscreen is unavailable. Use the explicit exit/close control; do not recreate the map just to gain space.

[War Room easy_guide](#) · [Reference/planning methods](#) · [Workbench methods](#) · [Terrain/radio methods](#)

[/watchtower/war-room-easy-guide.html](#) · [/watchtower/war-room-resilience-methods.html](#) · [/watchtower/war-room-workbench-methods.html](#) · [/watchtower/war-room-methods.html](#)

Commodity Atlas

Inspect commodity/site/network reference layers and original source geometry/periods.

- Choose a commodity and geography: Open Commodity Atlas and inspect the source layers.
- Read the data companion: Use Commodities Data for its tables and source-defined measures.
- Inspect a site reference: Read coordinates/locality precision, capacity/production definitions, lifecycle and original source before linking it to a company.

▼ Commodity Atlas — reference detail

Commodity Atlas is the map-led resource workspace; **Commodities Data** is its data-oriented companion. Use commodity/category, geography, source and available lifecycle/history filters before selecting a site, network or country reference. Open details for the native identifier, original source, observation/reference date and geometry meaning.

Commodity prices, national production totals, reserves/resources, processing facilities, ports and transport links are different layers. A mapped mine reference does not prove current production, company ownership share or available capacity. A country production series should not be allocated to a site without an explicit source.

New industrial-gas references

The gas-facility addition contains eleven curated facility/complex records and thirteen gas identities at release. It supports process, gas and text filtering and includes a **Neon** shortcut to the source-backed POSCO AIR SOLUTION Gwangyang reference.

Explore air/rare gases, helium, natural gas/LPG, electrolysis, reforming, gasification, CO₂ and biogas processes as represented. Specialty-synthesis gaps are explicit. Source-reported planned output is separate from operating output; an undated source keeps its undated status.

Markers are authored approximate **locality references**, not verified facility coordinates. Read the dashed/reference labels and source cards before using the location. The inventory is partial. Follow a reference to Companies for issuer research and to Monetary Predictions → Commodity Wars for same-basis country resource comparisons. [Gas-facility release](#).

Commodities Data

Use the data-oriented commodity companion for source-defined rows, measures and map context.

- Choose a commodity and geography: Open Commodity Atlas and inspect the source layers.
- Read the data companion: Use Commodities Data for its tables and source-defined measures.
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Companies

Resolve issuer/listing identities, financial facts, filings, company profiles and separate credit references.

- Find the issuer: Open Companies and use its universe or market dossier controls.
- Inspect identifiers and facts: Check the CIK/LEI/listing and the exact financial reporting period. Category membership is not proof of current production.
- Check agency and CDS references: Use the separate credit-reference card or Global Bonds hub; verify the actual source-rated entity.

▼ Companies — reference detail

Open **Companies** when you need to move from a commodity theme or ticker to a specific issuer. Search the reference universe, identify the correct listing/entity and inspect the source-backed dossier. Use the available source, category, geography and history controls rather than assuming every result is an active listed company.

The mining/extraction universe combines selected SEC extraction/mining registrants, Wikidata entities and labelled curated references. Broad industry categories can include energy and services. Company names alone do not establish commodity exposure; a “junior” label or low market capitalisation does not establish operating stage. Listing-venue and business-address country are not mine locations.

For a selected supported SEC issuer, primary facts retain the entity identifier, taxonomy concept, value, unit, reporting start/end, filing date, form and accession source. Compare compatible periods and currencies. An amendment can supersede a fact for the same period. The panel does not manufacture trailing-twelve-month results, EV multiples or cash runway from unmatched observations.

Production, reserves/resources, AISC, guidance, mine ownership and project capex require current issuer disclosures or technical reports. Use their source links for those questions. A reference company population is useful discovery, not an exhaustive current worldwide mining census. Optional connected-provider data remains subject to your account and the provider's licence. [Companies methods](#).

</watchtower/companies-research-methods.html>

Financial Stress

Inspect banking, funding, flow, positioning and wider financial-stress evidence and methods.

- Inspect Global Bonds: Choose a curve, sovereign, credit, derivatives or funding view and read the source classification.
- Check wider funding context: Open Financial Stress or Deposits and retain each measure's own period and method.
- Inspect a banking reference: Use Bank Run Monitor's institution/source views and the separate Bank CDS table.

▼ Financial Stress — reference detail

Global Bonds: choose a measurement, then its source

Open **Global Bonds** and use Desk, Sovereigns, Markets, Credit, Ratings & CDS, Derivatives, Offshore Currencies, Leverage/Collateral, Structured, Swap Lines/Repo, Flows, Warnings or Sources according to the question. The primary panels distinguish direct observations, contextual prices/proxies, source-required gaps and authored model components.

Read sovereign yield tenors and native units. In fiscal comparisons, general-government debt, central-only debt, consolidation and expenditure/expense definitions stay explicit. Total expenditure and expense are not summed as if they were non-overlapping measures. Source year and estimated/provisional status can differ across countries.

Ratings & CDS contains a separate broad reference workflow for issuers, funds/vehicles and rated instruments, plus public credit-derivative disclosures. See its dedicated lesson for source status, identities, contracts and price distinctions. The aggregate corporate credit/debt model does not become an issuer-level default estimate merely because a company reference is available nearby.

Derivatives, offshore currencies and funding

BIS notional, gross market value and legally netted credit exposure have different meanings. Currency legs and alternative instrument/maturity/rating breakdowns can overlap. Period-matched shares require compatible numerators/denominators. Market size is not measured loss.

Offshore USD/EUR/JPY credit and Hong Kong offshore-RMB deposit measures have source-specific currencies, components and coverage. They are not one complete global Eurocurrency money-supply total. Keep reported stocks separate from illustrative running debt clocks.

Financial Stress, Deposits and Bank Run Monitor

Use Financial Stress and Deposits for their exact funding/liquidity/positioning/price indicators and stated models. In Bank Run Monitor, distinguish official institution/system observations, authored bank-sample diagnostics and reported news/context. A payment outage, stock decline and deposit outflow are different observations.

Bank CDS retains a selected published five-year premium reference with holding-company/operating-bank boundaries and original dates. Its contract details can be incomplete. Wider rating/CDS links lead to the reference workspace rather than silently replacing model values or inferring deposit safety.

[Government finance methods](#) · [Credit/CDS methods](#) · [Bank evidence methods](#)

</watchtower/government-finance-methods.html> · </watchtower/credit-ratings-cds-methods.html> · </watchtower/bankrun-evidence-methods.html>

Deposits

Read deposit/liquidity measures with their definitions, source coverage and reporting periods.

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▼ Deposits — reference detail

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[Government finance methods](#) · [Credit/CDS methods](#) · [Bank evidence methods](#)

</watchtower/government-finance-methods.html> · </watchtower/credit-ratings-cds-methods.html> · </watchtower/bankrun-evidence-methods.html>

Prediction Markets

Inspect prediction-market contract terms, deadlines, resolution sources and market context.

- Open a contract: Use Prediction Markets to select a specific market and outcome.
- Read the rule: Inspect the question wording, outcome deadline, resolution source and trading state.
- Compare carefully: Separate price-implied expectations from a Watchtower forecast and from an already verified outcome.

Prediction Markets → **Market Radar** provides a risk radar, screener, repricing view, closing calendar, event ladders, themes, browser-local watchlist, comparisons and source methods. The integrated catalogue is a reviewed subset of Polymarket and Kalshi, not each venue's entire market universe.

Open the exact contract before interpreting a displayed price. Read the outcome wording, Yes polarity, resolution criteria, close time and quote time. Two similar headlines can have different settlement conditions. Nested thresholds or contracts about the same event overlap and should not be added into a total probability.

Use books/depth and histories where available to understand the quotation's context. Missing trades or a thin book should remain missing/thin, not be replaced with an assumed price. USD volume on one venue and contract counts on another are distinct measures. Related news or a Watchtower model can provide context, but does not settle the contract.

A market price is a market observation about a particular payoff. It is not Watchtower's calibrated forecast or confirmation that the event happened. Watchlist saves here are browser-local. See [Prediction Markets methods](#).

</watchtower/prediction-risk-methods.html>

Cameras

Search public camera references, use explicit viewing-wall controls and inspect mapped Flock locations.

- Inspect a camera record: Open Cameras and read the source, media type, timestamps and available access.
- Use playback explicitly: Start/stop the supported image/stream or viewing-wall slot yourself; registered references do not guarantee playback.
- Inspect Flock locations: Treat these as community-mapped location references with source-change history, not plate records or verified live hardware status.

▼ Cameras — reference detail

Public camera explorer

Open **Cameras** to search a place, radius, country, source or media type. Inspect the source record before opening an image or stream. Official snapshots, community discovery links and directory-only references are different. A registered camera record does not guarantee live playback.

Create a viewing wall using the supported 1/4/9/16-slot layouts, favourites and explicit start/stop controls. Custom public HTTPS images/HLS/clips or YouTube links may be supported, subject to browser, codec, CORS and provider rules. The wall does not create a recording or a media-rebroadcast entitlement.

Walls/favourites and custom URLs are account-scoped browser preferences. Export/import them for a deliberate backup. Hidden/replay/account transitions stop or clear playback as required; opening a new account should not restore another account's wall. [Camera methods](#).

Flock locations

Choose **Flock locations** for the community-mapped OSM/DeFlock ALPR reference inventory, its map/list/search/radius filters, explicit bearings and source-change history. This is a database of reported locations, not plate records, camera video, verified hardware counts or current operational status.

An added or removed source record is a mapping change; it does not prove that hardware was installed, removed or moved at that instant. No viewing cone is inferred from a point. Tracked IDs are browser-local and do not send notifications. Preserve the source dates and ODbL attribution in exports. [Flock release](#).

</watchtower/camera-methods.html>

Bank Run Monitor

Inspect institution/system banking evidence, model context and the selected published bank CDS reference.

- Inspect Global Bonds: Choose a curve, sovereign, credit, derivatives or funding view and read the source classification.
- Check wider funding context: Open Financial Stress or Deposits and retain each measure's own period and method.
- Inspect a banking reference: Use Bank Run Monitor's institution/source views and the separate Bank CDS table.

▼ Bank Run Monitor — reference detail

Global Bonds: choose a measurement, then its source

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Read sovereign yield tenors and native units. In fiscal comparisons, general-government debt, central-only debt, consolidation and expenditure/expense definitions stay explicit. Total expenditure and expense are not summed as if they were non-overlapping measures. Source year and estimated/provisional status can differ across countries.

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Financial Stress, Deposits and Bank Run Monitor

Use Financial Stress and Deposits for their exact funding/liquidity/positioning/price indicators and stated models. In Bank Run Monitor, distinguish official institution/system observations, authored bank-sample diagnostics and reported news/context. A payment outage, stock decline and deposit outflow are different observations.

Bank CDS retains a selected published five-year premium reference with holding-company/operating-bank boundaries and original dates. Its contract details can be incomplete. Wider rating/CDS links lead to the reference workspace rather than silently replacing model values or inferring deposit safety.

[Government finance methods](#) · [Credit/CDS methods](#) · [Bank evidence methods](#)

</watchtower/government-finance-methods.html> · </watchtower/credit-ratings-cds-methods.html> · </watchtower/bankrun-evidence-methods.html>

Pro Brief

Build your own Pro Brief by clicking windows and choosing their feeds, while retaining source dates, units and original ready-made sections.

- 1. Choose a window:** Click a window heading or Choose feed. Search the picker for a ready-made section, public data point or reviewed source.
- 2. Choose what it shows:** Review Summary, Records / table or named data fields. Set optional native source filters, then Use this feed.
- 3. Arrange and keep your layout:** Add, move, resize or remove windows. Undo and Restore original layout are available. Browser-local preferences are account-scoped; export/import layout definitions to move them deliberately.
- 4. Read and export responsibly:** Check source state, observation time, units, scope and preview bounds. Export brief reflects the displayed selections rather than hidden original sections.

▼ Pro Brief — reference detail

These are different entry points for different jobs.

Surface	Best use	Key distinction
Brief / public overview	A public first look at current source-backed context.	Selected overview, not the full specialist workspace.
Pro Brief	A compact signed-in research starting point.	News and prices first, with deeper context and navigation.
My Watchtower briefing	Your watch-based personal edition and changes.	Private configuration and server-generated personal workflow.

Surface	Best use	Key distinction
Reports	Periodic or requested documents and retained evidence.	A report edition has its own period, access and source manifest.

Read the lead items, then open their canonical workspace. A concise card is a pointer to evidence, not a substitute for all source qualifications. When a source is unavailable, follow the coverage detail rather than interpreting an empty card as a normal condition.

Signal Board lets you assemble a focused monitoring display. Search for a signal, pin it, reorder or remove tiles, and expand the board when useful. Source-anchored debt clocks can also be pinned here. Their playback state is shared with the corresponding debt-clock controls during the session; a running animation does not turn a reported stock into a live measurement.

Alert Screen is the compact place to review monitoring conditions. It is not identical to the Alerts rule editor or My Watchtower's server inbox. Use the alert's own origin, threshold, timestamp and evidence to decide where to investigate next.

Choose the news in a Brief

Pro Brief and Daily Brief offer **News preferences** for topic, source type, editorial perspective and an integer story count from 0 to 50. Zero hides news; the initial defaults are six Pro Brief stories and ten Daily Brief stories. Choices are browser-local by default, per owner and per brief, with a separate guest namespace; Research tools → Device sync can explicitly transfer selected account preferences. Pro uses a 48-hour window; Daily uses the current UTC day and retains its region selection. Publisher labels describe source context, not article accuracy or inferred event geography. Saved invalid choices require explicit correction rather than silent replacement. A copied live Brief link does not transfer your saved preferences.

Signal Board

Triage displayed signals and inspect the exact measure or source behind a tile.

- Choose an overview: Open Pro Brief and identify its period and scope.
- Inspect a signal: Open Signal Board, choose one item and trace the source behind it.
- Review the alert screen: Compare the board's chosen metrics with the specific thresholds or conditions they represent.

▼ Signal Board — reference detail

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Alert Screen

Use the configured monitoring/alert display and read its chosen conditions and metrics.

- Choose an overview: Open Pro Brief and identify its period and scope.
- Inspect a signal: Open Signal Board, choose one item and trace the source behind it.
- Review the alert screen: Compare the board's chosen metrics with the specific thresholds or conditions they represent.

▼ Alert Screen — reference detail

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Watchtower Search

Search the retained public corpus and follow qualified results to source records and workspaces.

- Ask a focused search question: Use a place, issuer, event or source term rather than a broad conclusion.
- Narrow the search: Use the source/type/category/period controls offered in the result view. Inspect duplicates and original-source links.
- Open the evidence home: Follow a result to its specialist workspace and keep its source date and scope with your notes.

Watchtower Search searches the retained canonical corpus and is available in both Simple and Advanced layouts. It can surface source records, public reporting, social items, data and supported destinations with provenance and freshness context.

Search deliberately

1. Start with an entity, instrument, country or phrase. Add a second discriminating term if the results are broad.
2. Use the available result-type/category filters. A news result, source status row and measured event are different things.
3. Expand the result to read its indexed excerpt and source metadata. The excerpt is what was retained, not guaranteed to be the complete current publisher page.
4. Follow the original source, qualified data detail, country view or market destination.
5. If a **Show on map (OpenStreetMap)** action is present, read the coordinate qualification. It opens an external marked map for a supported source-owned point; it does not establish a new main-globe observation.

Search is a retained index with a scheduled refresh. A record newly available in a live dataset may appear in Search later. Source-specific filters, retention limits and entitlements still apply. Private My Watchtower items, account records and private investigation contents are not part of the shared public corpus. Live search is withheld during replay rather than being mixed into a historical view.

Use **Data Q&A** for supported structured numeric questions; use Search when you need to locate records or reporting. Use a specialist workspace when the task requires complete filtered tables, detailed histories or source-native pagination.

Alerts

Inspect alerts and rule definitions, including evaluation location, freshness, unknowns and delivery.

- Identify the monitoring system: Open Alerts and distinguish browser rules from personal server-inbox workflows.
- Read the condition tree: Inspect ALL/ANY/NOT groups, units, crossing/duration behaviour, freshness and cooldown before saving or arming.
- Practise missing-input logic: Use the teaching example to see how unknown propagates through a condition.

▼ Alerts — reference detail

There are several monitoring workflows. Choose by where the condition is evaluated and where you expect to read the result.

Workflow	Evaluation and delivery	What to remember
Alerts / Intelligence Rule Studio	Browser evaluation while the eligible page is visible, live and verified.	Closing the page stops this evaluator; it does not promise email, Telegram or webhooks.
My Watchtower	Private server workflow with configured watches, budgets, scheduled briefings	Read the server inbox and its exact matched evidence.

Workflow	Evaluation and delivery	What to remember
	and in-app inbox.	
Aviation operations	Supported server watch/inbox features plus browser-specific notifications.	Browser notifications require their open/allowed context; paid manual lookups are separate.
Forecast Lab original watches	Account-local browser baselines and visible-workspace change checks.	A saved target is not automatically a closed-browser notification subscription.
Linked Events / Flock tracking	Local tracking, notes or source-change inspection.	Tracking by itself does not arm an alert.
Exposure monitor	Its own entitled, owner-scoped monitoring rules.	Confirm the particular rule and channel; do not assume it shares another tool's capabilities.

Build a multi-input browser rule

1. Open **Alerts** → **Intelligence Rule Studio** and name the question the rule is meant to detect.
2. Select inputs from the available loaded public-source field catalogue. Read each field's units and timestamp basis.
3. Combine conditions using **ALL (AND)**, **ANY (OR)** and optional **NOT** groups. For example, A AND (B OR C) makes a different claim from (A AND B) OR C.
4. Set the maximum age, matching/crossing/duration behaviour and cooldown deliberately.
5. Test against the current evidence. Inspect true, false and unknown branches before saving and arming.
6. Read a triggered report for the exact thresholds, source values, times and optional scenario note.

Missing, stale, failed or future inputs are **unknown**. NOT unknown remains unknown. A crossing needs two comparable timestamped values. "Observed true for" means matching sampled checks over the chosen duration; gaps can reset that duration. Unknown data does not silently rearm a condition as if it had become known false.

Imported definitions require review and arming. Browser-local rule/report exports can contain your notes and assumptions. Experimental linear projection from session samples is an extrapolation of observed snapshots, not a calibrated event forecast or invented historical series. [Rule methods](#).

</watchtower/intelligence-rules-methods.html>

Portfolio

Review owner-scoped holdings/exposure inputs, source quotes, valuation gaps and explicit saves.

- Check the active account: Open Portfolio and verify the account and saved-state status before editing.
- Inspect the inputs: Read quantities, instrument/listing identifiers, currencies and quote freshness. Enter or save only through the native controls.
- Review the exposure method: An overlap or industry relationship is not a measured loss; keep assumptions and mapping gaps with the conclusion.

▼ Portfolio — reference detail

Portfolio applies research context to the holdings and exposure information you choose to maintain. Begin by checking the verified account and the saved portfolio state before editing. Identify each instrument and listing, enter quantities/cost assumptions in the appropriate units, and confirm the application's save result. A portfolio view is not a broker order ticket.

Inspect quote freshness and mapping coverage before interpreting valuations or exposures. A fund can hold many underlying assets; a ticker's listing country does not establish its economic exposure. A missing quote or unresolved mapping is a gap, not a zero-value holding. Snapshot valuations, historical research and scenario assumptions should remain separately labelled in any report.

Personal-relevance/consequences tools can connect selected evidence to your supplied context. Treat their results as conditional research: the source event, exposure mapping and assumed consequence are separate steps. A geographic overlap or shared industry label is not measured loss or a guaranteed impact on a holding.

Where the account's exposure-monitor rules are available, inspect the rule's fields, thresholds, evaluation status and delivery channel. These rules have their own server-side contracts. They do not automatically convert every browser rule, watchlist or map pin into unattended monitoring. Export the assessment assumptions with your evidence when sharing a portfolio-related conclusion.

Only the portfolio's native controls edit or save holdings. Learning progress contains lesson identifiers and knowledge checks, not your portfolio inputs.

Reports

Read or request an entitled report and preserve its edition, period and evidence manifest.

- Select an edition: Open Reports and read the publication and covered period.
- Inspect edition evidence: Use the source/manifest controls and keep the edition's captured evidence identity.
- Export or request explicitly: Read the offered formats and current price/scope before any purchase or generation. Use native confirmation controls yourself.

▼ Reports — reference detail

Open **Reports** in the app or the [report library](#). The system distinguishes periodic daily/weekly/monthly editions, requested special reports, local/browser research outputs and personal My Watchtower briefings.

Read an edition

1. Identify the edition date and covered period: daily, weekly or trailing calendar-month windows are not interchangeable.
2. Read the executive briefing and domain sections, then open the source/coverage register.
3. Use **Inspect edition evidence** where entitled. The evidence view binds to the edition's captured source identity rather than silently substituting today's data.

4. Inspect source fields/pages or download the source manifest. Preserve original observations, source state, query scope and model versions.
5. Download the offered HTML/PDF/JSON formats and writing style. The selected style should not change the underlying factual evidence or purchased scope.

An edition can include current evidence, retained/aged context, unknown clocks and unavailable sources. Its source count is not a number of independent verified incidents. A lack of capture history limits what “changed over the period” can establish. Report documents can remain available after some raw evidence retention expires; use the manifest and any explicit evidence-expiry notice.

Request and purchase deliberately

Choose the report's topic/scope and inspect availability and the displayed price before confirming. Use the current displayed report scope, price and checkout terms; offers can change. Optional research requests may have separate credit/provider costs.

After a payment or generation request, use the existing purchase/confirmation status and report library. A pending confirmation is not an instruction to pay again. Download under the purchasing account, and retain the original edition identity with your copy. [Reporting release](#).

Marine

Read maritime, port and chokepoint evidence and distinguish movement observations from references.

- Inspect a mobility node: Open Mobility Intel and use the appropriate airport/port/rail/border/transit layer.
- Inspect marine context: Use Marine for source-qualified maritime and chokepoint evidence.
- Keep reference and observation separate: A catalogue location, vessel contact, route connection and disruption threshold can have different dates and meanings.

▼ Marine — reference detail

Marine

Use **Marine** to investigate the available vessel, port, shipping and chokepoint references. Inspect the source and geographic coverage before interpreting a ship count. Public AIS samples may be regional, delayed or incomplete; a last-known position is not a current confirmed location. Embedded third-party views retain the provider's own coverage and access.

Compare a port or route observation with its source time, baseline and relevant event evidence. A position or traffic count does not directly establish cargo, ownership, delay, capacity utilisation or cause. Use Commodity Atlas and Infrastructure for physical context without treating nearby reference assets as proven affected assets.

Mobility Intel

Mobility connects ports/chokepoints, aviation weather/status and selected rail, border or corridor evidence. Its direct-evidence views retain native records, scope and formulas. PortWatch activity, METAR weather, FAA restrictions and

sampled Finnish rail observations measure different things.

A weather report is not an airport-congestion reading. A scoped FAA restriction does not imply an airport-wide closure. Predicted rail timing is distinct from observed lateness. A same-weekday activity baseline needs adequate comparable samples; insufficient or stale data should not become an infinite anomaly score or a quiet condition.

For an investigation, choose one node/corridor, inspect its original operational series, then add weather, infrastructure and reporting as separately labelled context. Distinguish reference corridors from measured operations and preserve that distinction in exports.

Air / Aviation

Inspect public aircraft/contact observations, replay/context and supported private research/watch features.

- Select an observation: Open Air / Aviation and inspect the source-native aircraft/contact identity and time.
- Read operational context: Review airport, weather and airspace evidence with its own source clock and coverage.
- Choose a research workflow: Use retained replay, comparisons or authorised private case/watch features deliberately. Manual paid/provider lookups are separate actions.

▼ Air / Aviation — reference detail

The dedicated **Air / Aviation** workspace supports 2D/3D views, unified search, filters, aircraft detail, follow, trails/charts, airport lookup, replay, comparisons, context, licensed reference images, private investigations and supported cloud views/watches/inbox functions.

Follow a public observation

1. Search by a supported callsign, registration, identifier or airport reference. Check the identity fields rather than relying only on a familiar label.
2. Select the aircraft. Compare **position time**, **last contact time** and collection time.
3. Inspect altitude/speed/track units and the available observed trail. A directional marker follows supplied track; missing direction is not invented.
4. Use follow or fullscreen when useful. Switch to retained-observation replay for history actually captured by Watchtower.
5. Export the supported public observation or trail with its source attribution and gaps.

Public ADSB.lol is the default source. Receiver/query/metadata coverage is uneven; counts include source targets and are not all worldwide flights or verified flight legs. Retained history grows from actual collection and can shorten under caps. Gaps and implausible jumps split trails rather than being joined into a fabricated flight path.

Airport, weather and airspace context

Context can include OurAirports references, AWC METAR/TAF/SIGMET/G-AIRMET, FAA status/TFR/airspace and retained weather warnings. FAA coverage is not a complete global NOTAM service. A weather polygon overlapping a horizontal aircraft position does not prove flight impact. Read original notices and validity windows.

Personal and licensed additions

Use the workspace's supported cloud views, watches, server inbox and account-private investigations for its newer operations workflow. Browser notifications require the relevant open browser context; server inbox evaluation is separate. Local watch preferences and cloud records are not interchangeable.

API Connections & Add-ons → **Aviation Data Add-ons** can use your eligible FlightAware AeroAPI, ADSBX Enterprise or aviationstack credentials. These are manual, owner-private lookups with separate provider terms/charges. They do not turn paid results into shared public trails, watches or cases. [Aviation methods](#) · [Investigation release](#).

</watchtower/aviation-methods.html>

Conflict / Military

Review source-qualified public conflict/military reports, observations and historical context.

- Select the public evidence view: Open Conflict / Military and choose the appropriate source/layer/time selection.
- Inspect a report or marker: Read its source, date, classification and geography precision rather than treating a symbol as verification.
- Compare independent context: Use original reports and dated historical layers separately; volume and proximity do not establish an operational conclusion.

▼ Conflict / Military — reference detail

Conflict / Military aggregates source-qualified conflict and military-related public evidence. Use geography, time, source and layer filters, then select a record and read its geometry, event class and original report. Country outlines, event points, reference facilities and reported activity should remain distinct.

The unified map is useful for moving from a regional overview to the underlying source, rather than drawing conclusions from the density of markers alone. Multiple reports can concern one development; uneven reporting can leave significant gaps. A military-related headline, an official statement and an independently observed event have different meanings.

Use Geopolitical Risk for global model/context views, War Room for a place-based investigation, Aviation for its dedicated public aircraft observations, and Satellite & Sensor Data for orbital/reference context. A source military label on an aircraft is not independently verified ownership, mission, occupants or intent. Sharing a location or date across layers is a research lead, not by itself a causal or operational conclusion.

Outages

Inspect disruption evidence by source, service, geography and original event/publication times.

- Read the disruption evidence: Open Outages and select a source/service/geography with its original date.
- Inspect cyber evidence: Use Cyber Exposure for source-specific vulnerabilities, incidents and network context.
- Check the causal claim: An outage and a vulnerability record do not by themselves establish a common cause or a compromised organisation.

▼ Outages — reference detail

World Disruption Observatory

Outages brings together service incidents and other disruption-related evidence with source/time/location filters, maintenance/recovery/context/stale controls, a map, an unlocated list and exports. Open the source detail before treating a coloured marker as an ongoing failure.

A provider status notice, planned maintenance, a recovery message and a measured regional power fault are different records. An unlocated cloud-service event should not acquire a headquarters “impact point.” Satellite orbit positions are not customer-impact footprints. Old standing-status notices are not newly failed systems. Source record counts are not unique outage counts.

Cyber Exposure

The deeper cyber workspace includes advisories, CISA KEV, EPSS, recent critical CVEs, package advisories, Internet measurements, response directories, ATT&CK, reporting, dated C2 history and sources. Select the view and identifiers, inspect native evidence and export a coherent filtered selection.

CVSS describes technical severity; **KEV** records known exploitation under its catalogue rules; **EPSS** is a defined thirty-day exploitation estimate/rank. A due date can apply to a particular regulated audience. None of these alone proves that your organisation runs a vulnerable affected version.

Country lenses may show measurement samples, issuing jurisdictions, directory references or report associations. They are not automatically attack-origin/victim locations or national cyber-safety rankings. Historical hosting references remain historical even if a retained source flag once said “online.” Use the original advisories and affected-version detail for a concrete exposure investigation.

Weather Alerts

Read official warnings, weather products and source-specific area/validity windows.

- Read a warning window: Open Weather Alerts and inspect issue/effective/expiry times and source geometry.
- Compare the hazard evidence: Open Natural Hazards for its event and source-specific context.
- Check the layer’s meaning: Separate observed events, forecast areas, historical references, advisories and unlocated records.

Weather Alerts

The global warning view offers country, severity, current/upcoming and multilingual text filters; paginated lists; original information/instructions; source details; map geometry; JSON export; and a country/territory coverage directory.

Read the issuing authority, issue/effective/expiry times, severity and message status. CAP updates and cancellations follow explicit source references. Multiple messages or language blocks are not necessarily separate storms. Japan's JMA municipality/hazard states retain their own levels and are not simply interchangeable with CAP severity categories.

A coverage directory listing does not guarantee complete current delivery for that country. **No reported warning, partial, stale, not integrated** and **unavailable** have different meanings. Warnings without qualified geometry remain in the list; Watchtower does not fabricate a country-centre impact polygon. [Global warning release](#).

Natural Hazards

Use **Natural Hazards** for earthquakes, severe-weather products, fires, tropical systems, volcanic evidence and related observations/reference layers. Its recent expansion reuses still-valid global warnings, adds source event inspection and improves native-unit temperature, rain and snowfall cards.

The volcanic controls include source bulletins and published VAAC observed/+6/+12/+18-hour airborne-ash areas, with source flight levels. **Airborne ash is not ground ashfall, a pyroclastic-flow footprint or an evacuation zone.** An older open EONET listing does not establish a continuing eruption. No synthetic danger cone should be inferred from a volcano point.

Optional historical landslide reports, dated fault traces, reference volcanoes and LHASA model imagery have separate meanings and are generally off until selected. COOLR reports can be historical. GEM fault traces are geological references, not earthquake predictions. Provider-latest LHASA imagery may lack an exposed run timestamp.

Snow depth appears only when a source supplies it; rainfall is not converted to snowfall with an assumed ratio. Preserve observation/forecast/maximum labels, units and accumulation windows. The newness highlight uses an eligible source time for a bounded ten-minute window; refreshing does not restart an event's age. [Expanded hazard methods](#).

</watchtower/natural-hazards-expanded-methods.html>

Health / Biosecurity

Inspect public-health/biosecurity observations with definitions, denominators, periods and source scope.

- Inspect health evidence: Open Health / Biosecurity and read the source definition, period and geography.
- Inspect crime/security evidence: Open Crime & Terror and distinguish reported events, official statistics and authored context.
- Check comparability: Different reporting systems, denominators and missing coverage can make simple country rankings misleading.

▼ Health / Biosecurity — reference detail

Health / Biosecurity

Use Health's evidence views for official disease/outbreak reporting, wastewater and animal-health context where supplied, plus its facilities reference view. Select the source, country, date and event type, then read reporting/observation periods and geographical coverage. More reports can reflect more surveillance rather than a directly comparable increase in disease incidence.

The **Facilities** view supports source, type, focus, containment and lifecycle filters. It combines reviewed institutional references with supported registration evidence. FDA registration is not product approval or containment certification. BSL4, CL4, PC4 and other source schemes retain their own labels. Planned or commissioning facilities do not become verified operational capacity.

Facility markers can be city/locality references rather than building coordinates. Unmapped records remain available. A source reference should not be interpreted as a complete census of laboratories, manufacturing plants or national health capacity. [Health methods](#) · [Facility methods](#).

Crime & Terror

This map-led workspace combines global evidence with selected police/agency bulletins and statistical area/cell references. Use the filter and data rails, source/lag details, unlocated records, comparison and export tools. Some workflows open a map-first fullscreen view; close it to restore the original tab.

Police bulletins can be preliminary. A municipality centre is not an incident site. Statistical cells aggregate a specified category/month and reporting sample, while coverage can be capped or lagged. Different jurisdiction definitions and collection windows prevent treating raw counts as comparable personal-risk rates.

Inspect the original classification, period and geometry before combining Crime & Terror with a country dossier or a War Room case. A blank area can be uncovered or suppressed by filters; it does not establish low crime. Separate your assessment from the source's statement.

</watchtower/health-world-methods.html> · </watchtower/health-facilities-methods.html>

Crime & Terror

Read source-qualified crime/security events and statistics without assuming complete reporting.

- Inspect health evidence: Open Health / Biosecurity and read the source definition, period and geography.
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</watchtower/health-world-methods.html> · </watchtower/health-facilities-methods.html>

Breaking

Read the current breaking-news selection and inspect each original report and publication clock.

- Compare news lenses: Choose Breaking, Economics, Technology, Health/Bio or Natural Disasters for the question at hand.
- Inspect public social context: Review the original post, attribution and time. Treat it according to its source and evidence class.
- Follow a narrative: Use Narratives to compare reported claims and their evolution; inspect originals for important changes.

▼ Breaking — reference detail

The News area contains **Breaking**, **Economics**, **Technology**, **Health / Bio**, **Natural Disasters**, **Search** and **Narratives**. The separate **Social** workspace is in the main Advanced navigation. Reader topic controls remain available in expanded/fullscreen views.

Read across sources

Choose a topic, date window and geography, then refine by source type, platform or editorial context where offered. Open the original story or post. Compare publication times and publisher families before interpreting repeated coverage as independent support. Reading-list and saved-filter tools preserve the source metadata needed to revisit the item.

Source type, **editorial/political leaning**, **platform** and **reliability** are not interchangeable. A source can be unclassified without being centrist. Wire status does not guarantee neutrality. Labels may be based on publisher self-description or attributed editorial review and do not assign beliefs to every author or reader.

The expanded source directory includes alternative and libertarian publications and selected public Bluesky, YouTube, Mastodon, Lemmy, PeerTube, Rumble-reference, Odysee and podcast sources. These are bounded reviewed feeds, not complete social-platform firehoses. A publisher-linked video reference may retain the referring article's clock rather than a verified video-upload timestamp. A directory-only channel is a discoverable reference, not a connected feed.

Use **Narratives** to explore themes and related reporting. A cluster describes a grouping, not proof of coordination or truth. When exporting or writing a report, retain publisher URLs, publication dates and relevant source labels. Detailed distinctions are in [media methods](#).

</watchtower/media-methods.html>

Economics

Focus the newsroom on economic reporting while keeping claims and observations distinct.

- Compare news lenses: Choose Breaking, Economics, Technology, Health/Bio or Natural Disasters for the question at hand.
- Inspect public social context: Review the original post, attribution and time. Treat it according to its source and evidence class.
- Follow a narrative: Use Narratives to compare reported claims and their evolution; inspect originals for important changes.

▼ Economics — reference detail

The News area contains **Breaking**, **Economics**, **Technology**, **Health / Bio**, **Natural Disasters**, **Search** and **Narratives**. The separate **Social** workspace is in the main Advanced navigation. Reader topic controls remain available in expanded/fullscreen views.

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</watchtower/media-methods.html>

Technology

Focus on technology reporting and inspect the original claim/source context.

- Compare news lenses: Choose Breaking, Economics, Technology, Health/Bio or Natural Disasters for the question at hand.
- Inspect public social context: Review the original post, attribution and time. Treat it according to its source and evidence class.
- Follow a narrative: Use Narratives to compare reported claims and their evolution; inspect originals for important changes.

▼ Technology — reference detail

The News area contains **Breaking**, **Economics**, **Technology**, **Health / Bio**, **Natural Disasters**, **Search** and **Narratives**. The separate **Social** workspace is in the main Advanced navigation. Reader topic controls remain available in expanded/fullscreen views.

Read across sources

Choose a topic, date window and geography, then refine by source type, platform or editorial context where offered. Open the original story or post. Compare publication times and publisher families before interpreting repeated coverage as independent support. Reading-list and saved-filter tools preserve the source metadata needed to revisit the item.

Source type, **editorial/political leaning**, **platform** and **reliability** are not interchangeable. A source can be unclassified without being centrist. Wire status does not guarantee neutrality. Labels may be based on publisher self-description or attributed editorial review and do not assign beliefs to every author or reader.

The expanded source directory includes alternative and libertarian publications and selected public Bluesky, YouTube, Mastodon, Lemmy, PeerTube, Rumble-reference, Odysee and podcast sources. These are bounded reviewed feeds, not complete social-platform firehoses. A publisher-linked video reference may retain the referring article's clock rather than a verified video-upload timestamp. A directory-only channel is a discoverable reference, not a connected feed.

Use **Narratives** to explore themes and related reporting. A cluster describes a grouping, not proof of coordination or truth. When exporting or writing a report, retain publisher URLs, publication dates and relevant source labels. Detailed distinctions are in [media methods](#).

</watchtower/media-methods.html>

Health / Bio

Read health/biosecurity reporting with the source's evidence, dates and terminology.

- Compare news lenses: Choose Breaking, Economics, Technology, Health/Bio or Natural Disasters for the question at hand.
- Inspect public social context: Review the original post, attribution and time. Treat it according to its source and evidence class.
- Follow a narrative: Use Narratives to compare reported claims and their evolution; inspect originals for important changes.

▼ Health / Bio — reference detail

The News area contains **Breaking**, **Economics**, **Technology**, **Health / Bio**, **Natural Disasters**, **Search** and **Narratives**. The separate **Social** workspace is in the main Advanced navigation. Reader topic controls remain available in expanded/fullscreen views.

Read across sources

Choose a topic, date window and geography, then refine by source type, platform or editorial context where offered. Open the original story or post. Compare publication times and publisher families before interpreting repeated coverage as independent support. Reading-list and saved-filter tools preserve the source metadata needed to revisit the item.

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The expanded source directory includes alternative and libertarian publications and selected public Bluesky, YouTube, Mastodon, Lemmy, PeerTube, Rumble-reference, Odysee and podcast sources. These are bounded reviewed feeds, not complete social-platform firehoses. A publisher-linked video reference may retain the referring article's clock rather than a verified video-upload timestamp. A directory-only channel is a discoverable reference, not a connected feed.

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</watchtower/media-methods.html>

Natural Disasters

Read natural-hazard reporting alongside the relevant official/event workspace.

- Compare news lenses: Choose Breaking, Economics, Technology, Health/Bio or Natural Disasters for the question at hand.
- Inspect public social context: Review the original post, attribution and time. Treat it according to its source and evidence class.
- Follow a narrative: Use Narratives to compare reported claims and their evolution; inspect originals for important changes.

▼ Natural Disasters — reference detail

The News area contains **Breaking**, **Economics**, **Technology**, **Health / Bio**, **Natural Disasters**, **Search** and **Narratives**. The separate **Social** workspace is in the main Advanced navigation. Reader topic controls remain available in expanded/fullscreen views.

Read across sources

Choose a topic, date window and geography, then refine by source type, platform or editorial context where offered. Open the original story or post. Compare publication times and publisher families before interpreting repeated coverage as independent support. Reading-list and saved-filter tools preserve the source metadata needed to revisit the item.

Source type, **editorial/political leaning**, **platform** and **reliability** are not interchangeable. A source can be unclassified without being centrist. Wire status does not guarantee neutrality. Labels may be based on publisher self-description or attributed editorial review and do not assign beliefs to every author or reader.

The expanded source directory includes alternative and libertarian publications and selected public Bluesky, YouTube, Mastodon, Lemmy, PeerTube, Rumble-reference, Odysee and podcast sources. These are bounded reviewed feeds, not complete social-platform firehoses. A publisher-linked video reference may retain the referring article's clock rather than a verified video-upload timestamp. A directory-only channel is a discoverable reference, not a connected feed.

Use **Narratives** to explore themes and related reporting. A cluster describes a grouping, not proof of coordination or truth. When exporting or writing a report, retain publisher URLs, publication dates and relevant source labels. Detailed distinctions are in [media methods](#).

</watchtower/media-methods.html>

Search

Search the news selection deliberately and open the original source record.

- Compare news lenses: Choose Breaking, Economics, Technology, Health/Bio or Natural Disasters for the question at hand.
- Inspect public social context: Review the original post, attribution and time. Treat it according to its source and evidence class.
- Follow a narrative: Use Narratives to compare reported claims and their evolution; inspect originals for important changes.

▼ Search — reference detail

The News area contains **Breaking**, **Economics**, **Technology**, **Health / Bio**, **Natural Disasters**, **Search** and **Narratives**. The separate **Social** workspace is in the main Advanced navigation. Reader topic controls remain available in expanded/fullscreen views.

Read across sources

Choose a topic, date window and geography, then refine by source type, platform or editorial context where offered. Open the original story or post. Compare publication times and publisher families before interpreting repeated coverage as independent support. Reading-list and saved-filter tools preserve the source metadata needed to revisit the item.

Source type, **editorial/political leaning**, **platform** and **reliability** are not interchangeable. A source can be unclassified without being centrist. Wire status does not guarantee neutrality. Labels may be based on publisher self-description or attributed editorial review and do not assign beliefs to every author or reader.

The expanded source directory includes alternative and libertarian publications and selected public Bluesky, YouTube, Mastodon, Lemmy, PeerTube, Rumble-reference, Odysee and podcast sources. These are bounded reviewed feeds, not complete social-platform firehoses. A publisher-linked video reference may retain the referring article's clock rather than a verified video-upload timestamp. A directory-only channel is a discoverable reference, not a connected feed.

Use **Narratives** to explore themes and related reporting. A cluster describes a grouping, not proof of coordination or truth. When exporting or writing a report, retain publisher URLs, publication dates and relevant source labels. Detailed distinctions are in [media methods](#).

</watchtower/media-methods.html>

Narratives

Follow narrative/reporting patterns while checking source lineage and changes in scope.

- Compare news lenses: Choose Breaking, Economics, Technology, Health/Bio or Natural Disasters for the question at hand.
- Inspect public social context: Review the original post, attribution and time. Treat it according to its source and evidence class.
- Follow a narrative: Use Narratives to compare reported claims and their evolution; inspect originals for important changes.

▼ Narratives — reference detail

The News area contains **Breaking**, **Economics**, **Technology**, **Health / Bio**, **Natural Disasters**, **Search** and **Narratives**. The separate **Social** workspace is in the main Advanced navigation. Reader topic controls remain available in expanded/fullscreen views.

Read across sources

Choose a topic, date window and geography, then refine by source type, platform or editorial context where offered. Open the original story or post. Compare publication times and publisher families before interpreting repeated coverage as independent support. Reading-list and saved-filter tools preserve the source metadata needed to revisit the item.

Source type, **editorial/political leaning**, **platform** and **reliability** are not interchangeable. A source can be unclassified without being centrist. Wire status does not guarantee neutrality. Labels may be based on publisher self-description or attributed editorial review and do not assign beliefs to every author or reader.

The expanded source directory includes alternative and libertarian publications and selected public Bluesky, YouTube, Mastodon, Lemmy, PeerTube, Rumble-reference, Odysee and podcast sources. These are bounded reviewed feeds, not complete social-platform firehoses. A publisher-linked video reference may retain the referring article's clock rather than a verified video-upload timestamp. A directory-only channel is a discoverable reference, not a connected feed.

Use **Narratives** to explore themes and related reporting. A cluster describes a grouping, not proof of coordination or truth. When exporting or writing a report, retain publisher URLs, publication dates and relevant source labels. Detailed distinctions are in [media methods](#).

</watchtower/media-methods.html>

Commodities

Inspect commodity-market reference rows with instrument, currency, unit and source time.

- Read a market row: Start in Market Overview Summary and inspect the instrument, source and clock.
- Compare a specialist panel: Use the Markets panel for the relevant asset class. Indices and individual stocks are different inventories.
- Explore the global atlas: Open Global Markets and check regional selection, company/listing-country basis and available coverage.

▼ Commodities — reference detail

The left **Market Overview**, lower **Markets** panel and full-width **Global Markets** now share consistent identities, source dates, units, flags and evidence controls. Use the compact panels for scanning and Global Markets for a wider table or symbol lookup.

Left Market Overview tabs

Tab	Read it this way
Summary	A cross-regional selection of benchmarks, commodity references, currency pairs, digital assets and qualified context. Open the complete inventory below for breadth.
US curve	Nominal Treasury yields arranged by maturity. TIPS are separate real-yield series and are excluded from this nominal curve.
Ratios	Source-aligned comparisons such as gold/silver or equity-index/gold. The dimensions and benchmark scope matter.
Global yields	Country ten-year sovereign yield observations. These are bond yields, not central-bank policy rates.
Fear & Greed	Restored Watchtower cross-asset and geographic heuristic gauges, with component eligibility and source clocks.
Market Tone	A separate descriptive view of qualified regional index price changes.
FX strength	Currency changes versus USD using the correct pair direction and reciprocal-return calculation.

Lower Markets and the full-width atlas

Commodities shows native futures quotations; **Indices** shows the registered benchmark universe; **Forex** offers market quotes and ECB references; **Crypto** shows the source-defined asset universe; **Global Stocks** shows the filtered worldwide equity-mover scan. Use the available regional, text, rising/falling, data-gap and period controls. A rising/falling filter requires eligible non-missing change data; an undated source is not automatically a current mover.

Global Markets adds an overview and dedicated **Indices, FX, Commodities, Equities, Crypto, Yields** and **Sources** views. Symbol lookup searches supported public references. Confirm instrument type and exchange: the same ticker can identify different listings. Open the instrument for its existing chart controls, or use the information button for normalized evidence and original fields. CSV reflects the selected view; inspect the export's units, source and observation columns.

Worldwide coverage, flags and identities

The benchmark registry contains **56 indices across 44 countries/areas**. The market release verified 55 available values, including qualified SET, PSEi, Tadawul All Share and DFM General supplements. Chile S&P IPSA was a visible remaining gap. Availability can change; the registry count is not a guarantee that every record is presently populated.

Index flags identify the benchmark area. **Stock flags now prefer source-reported company country**, matched to the exact exchange-qualified instrument. That reference is not independently verified legal domicile. If company country is unavailable, a known venue flag carries an explicit **Listing** tag; if both are unknown, a neutral marker appears. Country is not guessed from quote currency or a bare ticker. Inspect the flag's source/basis and retrieval date; retrieval is not an invented corporate-validity date.

This identity treatment also appears in quote searches, company views, stock-chart headers and portfolio stock rows. Equity display-region filters use the preferred country; the company screener's existing country column is explicitly **Listing country**. CSV adds company/listing country and flag basis. FX displays the base and quote currency areas; EUR uses a union reference. Commodity mini-icons and crypto glyphs supplement names and tickers. Unknown tokens retain a readable badge. [Company-country flag update](#).

Corrections include the actual **S&P/TSX Composite, SSE 50, US CBOE VIX** identities and the current CME lumber reference **LBR=F**. Duplicate aliases for one benchmark are consolidated. An unverified name-only fallback cannot become a newly verified symbol.

Currency-reference example

Open **Forex** → **ECB references**, choose a base such as CAD, then inspect a row. The source provides currencies per EUR. Watchtower calculates a cross as **quote-per-EUR ÷ base-per-EUR on the same fixing date**. The reviewed source supplied 30 currencies including EUR and a 90-day reference file. The prior common fixing supplies the comparison, not an invented intraday quote.

For a USD/foreign pair with a 10% rise, the reciprocal foreign/USD return is approximately –9.09%, not –10%: $(1 / (1 + 0.10) - 1) \times 100$. Pair direction therefore matters in FX strength.

ECB information is [available free of charge from the ECB](#). Cross-rates and changes are Watchtower calculations. Fixings are dated reference information, not executable transaction quotes. See [market sources and calculations](#).

</watchtower/market-coverage-methods.html>

Indices

Inspect equity index/benchmark rows; this is distinct from an individual-company universe.

- Read a market row: Start in Market Overview Summary and inspect the instrument, source and clock.
- Compare a specialist panel: Use the Markets panel for the relevant asset class. Indices and individual stocks are different inventories.
- Explore the global atlas: Open Global Markets and check regional selection, company/listing-country basis and available coverage.

▼ Indices — reference detail

The left **Market Overview**, lower **Markets** panel and full-width **Global Markets** now share consistent identities, source dates, units, flags and evidence controls. Use the compact panels for scanning and Global Markets for a wider table or symbol lookup.

Left Market Overview tabs

Tab	Read it this way
Summary	A cross-regional selection of benchmarks, commodity references, currency pairs, digital assets and qualified context. Open the complete inventory below for breadth.
US curve	Nominal Treasury yields arranged by maturity. TIPS are separate real-yield series and are excluded from this nominal curve.
Ratios	Source-aligned comparisons such as gold/silver or equity-index/gold. The dimensions and benchmark scope matter.
Global yields	Country ten-year sovereign yield observations. These are bond yields, not central-bank policy rates.
Fear & Greed	Restored Watchtower cross-asset and geographic heuristic gauges, with component eligibility and source clocks.
Market Tone	A separate descriptive view of qualified regional index price changes.
FX strength	Currency changes versus USD using the correct pair direction and reciprocal-return calculation.

Lower Markets and the full-width atlas

Commodities shows native futures quotations; **Indices** shows the registered benchmark universe; **Forex** offers market quotes and ECB references; **Crypto** shows the source-defined asset universe; **Global Stocks** shows the filtered worldwide equity-mover scan. Use the available regional, text, rising/falling, data-gap and period controls. A rising/falling filter requires eligible non-missing change data; an undated source is not automatically a current mover.

Global Markets adds an overview and dedicated **Indices, FX, Commodities, Equities, Crypto, Yields** and **Sources** views. Symbol lookup searches supported public references. Confirm instrument type and exchange: the same ticker can identify different listings. Open the instrument for its existing chart controls, or use the information button for normalized evidence and original fields. CSV reflects the selected view; inspect the export's units, source and observation columns.

Worldwide coverage, flags and identities

The benchmark registry contains **56 indices across 44 countries/areas**. The market release verified 55 available values, including qualified SET, PSEi, Tadawul All Share and DFM General supplements. Chile S&P IPSA was a visible remaining gap. Availability can change; the registry count is not a guarantee that every record is presently populated.

Index flags identify the benchmark area. **Stock flags now prefer source-reported company country**, matched to the exact exchange-qualified instrument. That reference is not independently verified legal domicile. If company country is unavailable, a known venue flag carries an explicit **Listing** tag; if both are unknown, a neutral marker appears. Country is not guessed from quote currency or a bare ticker. Inspect the flag's source/basis and retrieval date; retrieval is not an invented corporate-validity date.

This identity treatment also appears in quote searches, company views, stock-chart headers and portfolio stock rows. Equity display-region filters use the preferred country; the company screener's existing country column is explicitly **Listing country**. CSV adds company/listing country and flag basis. FX displays the base and quote currency areas; EUR uses a union reference. Commodity mini-icons and crypto glyphs supplement names and tickers. Unknown tokens retain a readable badge. [Company-country flag update](#).

Corrections include the actual **S&P/TSX Composite, SSE 50, US CBOE VIX** identities and the current CME lumber reference **LBR=F**. Duplicate aliases for one benchmark are consolidated. An unverified name-only fallback cannot become a newly verified symbol.

Currency-reference example

Open **Forex** → **ECB references**, choose a base such as CAD, then inspect a row. The source provides currencies per EUR. Watchtower calculates a cross as **quote-per-EUR ÷ base-per-EUR on the same fixing date**. The reviewed source supplied 30 currencies including EUR and a 90-day reference file. The prior common fixing supplies the comparison, not an invented intraday quote.

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ECB information is [available free of charge from the ECB](#). Cross-rates and changes are Watchtower calculations. Fixings are dated reference information, not executable transaction quotes. See [market sources and calculations](#).

</watchtower/market-coverage-methods.html>

Forex

Read FX pairs and their reference/change conventions with the relevant source clock.

- Read a market row: Start in Market Overview Summary and inspect the instrument, source and clock.
- Compare a specialist panel: Use the Markets panel for the relevant asset class. Indices and individual stocks are different inventories.
- Explore the global atlas: Open Global Markets and check regional selection, company/listing-country basis and available coverage.

▼ Forex — reference detail

The left **Market Overview**, lower **Markets** panel and full-width **Global Markets** now share consistent identities, source dates, units, flags and evidence controls. Use the compact panels for scanning and Global Markets for a wider table or symbol lookup.

Left Market Overview tabs

Tab	Read it this way
Summary	A cross-regional selection of benchmarks, commodity references, currency pairs, digital assets and qualified context. Open the complete inventory below for breadth.
US curve	Nominal Treasury yields arranged by maturity. TIPS are separate real-yield series and are excluded from this nominal curve.
Ratios	Source-aligned comparisons such as gold/silver or equity-index/gold. The dimensions and benchmark scope matter.
Global yields	Country ten-year sovereign yield observations. These are bond yields, not central-bank policy rates.
Fear & Greed	Restored Watchtower cross-asset and geographic heuristic gauges, with component eligibility and source clocks.
Market Tone	A separate descriptive view of qualified regional index price changes.
FX strength	Currency changes versus USD using the correct pair direction and reciprocal-return calculation.

Lower Markets and the full-width atlas

Commodities shows native futures quotations; **Indices** shows the registered benchmark universe; **Forex** offers market quotes and ECB references; **Crypto** shows the source-defined asset universe; **Global Stocks** shows the filtered worldwide equity-mover scan. Use the available regional, text, rising/falling, data-gap and period controls. A rising/falling filter requires eligible non-missing change data; an undated source is not automatically a current mover.

Global Markets adds an overview and dedicated **Indices, FX, Commodities, Equities, Crypto, Yields** and **Sources** views. Symbol lookup searches supported public references. Confirm instrument type and exchange: the same ticker can identify different listings. Open the instrument for its existing chart controls, or use the information button for normalized evidence and original fields. CSV reflects the selected view; inspect the export's units, source and observation columns.

Worldwide coverage, flags and identities

The benchmark registry contains **56 indices across 44 countries/areas**. The market release verified 55 available values, including qualified SET, PSEi, Tadawul All Share and DFM General supplements. Chile S&P IPSA was a visible remaining gap. Availability can change; the registry count is not a guarantee that every record is presently populated.

Index flags identify the benchmark area. **Stock flags now prefer source-reported company country**, matched to the exact exchange-qualified instrument. That reference is not independently verified legal domicile. If company country is unavailable, a known venue flag carries an explicit **Listing** tag; if both are unknown, a neutral marker appears. Country is not guessed from quote currency or a bare ticker. Inspect the flag's source/basis and retrieval date; retrieval is not an invented corporate-validity date.

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Corrections include the actual **S&P/TSX Composite, SSE 50, US CBOE VIX** identities and the current CME lumber reference **LBR=F**. Duplicate aliases for one benchmark are consolidated. An unverified name-only fallback cannot become a newly verified symbol.

Currency-reference example

Open **Forex** → **ECB references**, choose a base such as CAD, then inspect a row. The source provides currencies per EUR. Watchtower calculates a cross as **quote-per-EUR ÷ base-per-EUR on the same fixing date**. The reviewed source supplied 30 currencies including EUR and a 90-day reference file. The prior common fixing supplies the comparison, not an invented intraday quote.

For a USD/foreign pair with a 10% rise, the reciprocal foreign/USD return is approximately –9.09%, not –10%: $(1 / (1 + 0.10) - 1) \times 100$. Pair direction therefore matters in FX strength.

ECB information is [available free of charge from the ECB](#). Cross-rates and changes are Watchtower calculations. Fixings are dated reference information, not executable transaction quotes. See [market sources and calculations](#).

</watchtower/market-coverage-methods.html>

Crypto

Read crypto market price rows, then use Crypto Intel for deeper token/network context.

- Read a market row: Start in Market Overview Summary and inspect the instrument, source and clock.
- Compare a specialist panel: Use the Markets panel for the relevant asset class. Indices and individual stocks are different inventories.
- Explore the global atlas: Open Global Markets and check regional selection, company/listing-country basis and available coverage.

▼ Crypto — reference detail

The left **Market Overview**, lower **Markets** panel and full-width **Global Markets** now share consistent identities, source dates, units, flags and evidence controls. Use the compact panels for scanning and Global Markets for a wider table or symbol lookup.

Left Market Overview tabs

Tab	Read it this way
Summary	A cross-regional selection of benchmarks, commodity references, currency pairs, digital assets and qualified context. Open the complete inventory below for breadth.
US curve	Nominal Treasury yields arranged by maturity. TIPS are separate real-yield series and are excluded from this nominal curve.
Ratios	Source-aligned comparisons such as gold/silver or equity-index/gold. The dimensions and benchmark scope matter.
Global yields	Country ten-year sovereign yield observations. These are bond yields, not central-bank policy rates.
Fear & Greed	Restored Watchtower cross-asset and geographic heuristic gauges, with component eligibility and source clocks.
Market Tone	A separate descriptive view of qualified regional index price changes.
FX strength	Currency changes versus USD using the correct pair direction and reciprocal-return calculation.

Lower Markets and the full-width atlas

Commodities shows native futures quotations; **Indices** shows the registered benchmark universe; **Forex** offers market quotes and ECB references; **Crypto** shows the source-defined asset universe; **Global Stocks** shows the filtered worldwide equity-mover scan. Use the available regional, text, rising/falling, data-gap and period controls. A rising/falling filter requires eligible non-missing change data; an undated source is not automatically a current mover.

Global Markets adds an overview and dedicated **Indices, FX, Commodities, Equities, Crypto, Yields** and **Sources** views. Symbol lookup searches supported public references. Confirm instrument type and exchange: the same ticker can identify different listings. Open the instrument for its existing chart controls, or use the information button for normalized evidence and original fields. CSV reflects the selected view; inspect the export's units, source and observation columns.

Worldwide coverage, flags and identities

The benchmark registry contains **56 indices across 44 countries/areas**. The market release verified 55 available values, including qualified SET, PSEi, Tadawul All Share and DFM General supplements. Chile S&P IPSA was a visible remaining gap. Availability can change; the registry count is not a guarantee that every record is presently populated.

Index flags identify the benchmark area. **Stock flags now prefer source-reported company country**, matched to the exact exchange-qualified instrument. That reference is not independently verified legal domicile. If company country is unavailable, a known venue flag carries an explicit **Listing** tag; if both are unknown, a neutral marker appears. Country is not guessed from quote currency or a bare ticker. Inspect the flag's source/basis and retrieval date; retrieval is not an invented corporate-validity date.

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Corrections include the actual **S&P/TSX Composite, SSE 50, US CBOE VIX** identities and the current CME lumber reference **LBR=F**. Duplicate aliases for one benchmark are consolidated. An unverified name-only fallback cannot become a newly verified symbol.

Currency-reference example

Open **Forex** → **ECB references**, choose a base such as CAD, then inspect a row. The source provides currencies per EUR. Watchtower calculates a cross as **quote-per-EUR ÷ base-per-EUR on the same fixing date**. The reviewed source supplied 30 currencies including EUR and a 90-day reference file. The prior common fixing supplies the comparison, not an invented intraday quote.

For a USD/foreign pair with a 10% rise, the reciprocal foreign/USD return is approximately –9.09%, not –10%: $(1 / (1 + 0.10) - 1) \times 100$. Pair direction therefore matters in FX strength.

ECB information is [available free of charge from the ECB](#). Cross-rates and changes are Watchtower calculations. Fixings are dated reference information, not executable transaction quotes. See [market sources and calculations](#).

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Global Markets & Data Search

Open **Advanced / Investigate** → **Global Markets**. The new search combines global instrument discovery with the reviewed Watchtower data catalogue, published data points and retained indexed source records.

Search beyond the movers on screen

1. Enter a company, exact listing symbol, indicator, country or topic.
2. Choose an instrument class or data-domain/source filter if needed.
3. Select **Search globally**. Typing alone does not send a provider search.
4. Switch between **Instruments**, **Data points**, **Source records**, and **Datasets & fields**, or keep **All results** to see each section.

The worldwide-equities and other market snapshot filters now have a **Search globally** action; pressing Enter hands the same query to this search. Their local filter still describes only the rows currently loaded, while the global action queries the broader discovery services.

Use **Expand search** for a full-screen research workspace. Your query, result selection and source inspector remain part of the same search.

Try Apple, RY.TO, 7203.T, 0700.HK, VOD.L, SAP.DE, RELIANCE.NS, SPY, EURUSD=X, BTC-USD, GC=F, inflation, or US deficits 2026. Provider availability and source matches vary; examples are not guaranteed live quotes.

Instruments and listings

Public Yahoo Finance discovery covers supported equities, ETFs, funds, indices, currencies, futures and crypto; TradingView adds recognized equity venue candidates. Queries are sent to those providers without Watchtower cookies or account credentials. The server requests up to 30 candidates from each provider, includes an exact-symbol fallback when applicable, and bounds the retained discovery at 90 candidates.

More instruments pages eight at a time through one five-minute discovery snapshot. Quote reads are separately bounded and source-dated; a page can have missing quotes or partial provider coverage. An expired or mismatched snapshot requires a new search. This is global discovery, not a complete exchange security master or a guarantee of real-time market data.

Check the exact symbol, asset class, exchange, currency and observation time. Cross listings are separate instruments. Company-country reference and listing country are different; unsupported TradingView venue conversions are excluded rather than assumed to be a US listing. GBP and GBp, index points, futures units and FX direction remain distinct. A missing observation time stays unknown.

Open **Charts** for the native instrument view. Its existing actions can track that exact supported selection in Pro Brief or configure an explicit alert.

Watchtower data and evidence

- **Data points** searches all definitions returned by the native public point registry: IDs, labels, descriptions, units, source names and workspace associations. Inspect a result to read its current source-qualified value and underlying fields.
- **Source records** searches the existing permission-aware retained index. Records include indexed fields, articles, events and source excerpts, with provenance. Old indexed prices or rating references are not automatically current quotes or certified current ratings. More records uses native pagination; if the index generation changes, rerun the search rather than mixing pages silently.
- **Datasets & fields** searches every reviewed source definition available through the catalogue, including catalogue-only sources with no indexed matching records. Open a dataset, set its source-native filters, then browse or search the fields and values in the returned response.

The **Search coverage & source dates** panel shows current source/point counts, index materialization time and indexed/catalogue-only/bounded coverage. The current retained index is bounded at one million records; native histories and source pagination can extend beyond it. This does not mean all information in the world is indexed. Private account data, unreviewed feeds and licensed-only provider data are not admitted to this public evidence search.

Inspect fields without leaving Global Markets

1. Choose **Browse source & fields** or **Inspect data**.
2. Review source state, values, units and distinct observation/publication/snapshot/ retrieval clocks. Definitions and original fields are in an optional disclosure.
3. For a dataset, expand **Source-native filters & pagination**. Use the documented read-only view, query, country, year or returned identifier required by that source. **Apply source filters** updates the preview.
4. Select **Browse / search source fields**. Search a field name or value, open nested objects/arrays, or select **Preview this field / record**.
5. The preview keeps stable record identity, original unit, reporting period and status when supplied. Anonymous array values require an explicitly dated reference.

More fields pages the selected response, not the source's entire history. Source-native offset/cursor/snapshot controls are independent and remain visible. Field traversal and source responses are bounded; unavailable and missing data remain explicit, not zero. Some definitions require an exact ID before they can return data. A bulk-only route may not be eligible as a Pro Brief feed.

Save and continue researching

Put in Pro Brief uses the existing owner-bound saved board and keeps Global Markets open. A stable field tracks that source identity; a retained indexed record is a dated reference. Anonymous selections use the native explicit snapshot path. No watch or alert is enabled automatically. Existing card limits and layout/snapshot validation still apply.

Delays, cancellation and account changes

Results arrive independently: a slow market provider does not block searchable Watchtower evidence. Retry the failed section, refine the query, or use Cancel. Source dates on retained results stay unchanged. Instrument discovery is bounded to 7 seconds, quote enrichment to 6 seconds and optional country enrichment to 1.5 seconds; upstream availability still varies. Existing rate/capacity controls apply.

Search state and inspectors clear on account/replay transitions, and late responses are fenced. Each private facade request uses the current verified owner. This search does not require paid AI and does not rebuild the index or force source collectors.

▼ Global Stocks — reference detail

The left **Market Overview**, lower **Markets** panel and full-width **Global Markets** now share consistent identities, source dates, units, flags and evidence controls. Use the compact panels for scanning and Global Markets for a wider table or symbol lookup.

Left Market Overview tabs

Tab	Read it this way
Summary	A cross-regional selection of benchmarks, commodity references, currency pairs, digital assets and qualified context. Open the complete inventory below for breadth.
US curve	Nominal Treasury yields arranged by maturity. TIPS are separate real-yield series and are excluded from this nominal curve.
Ratios	Source-aligned comparisons such as gold/silver or equity-index/gold. The dimensions and benchmark scope matter.
Global yields	Country ten-year sovereign yield observations. These are bond yields, not central-bank policy rates.
Fear & Greed	Restored Watchtower cross-asset and geographic heuristic gauges, with component eligibility and source clocks.
Market Tone	A separate descriptive view of qualified regional index price changes.
FX strength	Currency changes versus USD using the correct pair direction and reciprocal-return calculation.

Lower Markets and the full-width atlas

Commodities shows native futures quotations; **Indices** shows the registered benchmark universe; **Forex** offers market quotes and ECB references; **Crypto** shows the source-defined asset universe; **Global Stocks** shows the filtered worldwide equity-mover scan. Use the available regional, text, rising/falling, data-gap and period controls. A rising/falling filter requires eligible non-missing change data; an undated source is not automatically a current mover.

Global Markets adds an overview and dedicated **Indices, FX, Commodities, Equities, Crypto, Yields** and **Sources** views. Symbol lookup searches supported public references. Confirm instrument type and exchange: the same ticker can identify different listings. Open the instrument for its existing chart controls, or use the information button for normalized evidence and original fields. CSV reflects the selected view; inspect the export's units, source and observation columns.

Worldwide coverage, flags and identities

The benchmark registry contains **56 indices across 44 countries/areas**. The market release verified 55 available values, including qualified SET, PSEi, Tadawul All Share and DFM General supplements. Chile S&P IPSA was a visible remaining gap. Availability can change; the registry count is not a guarantee that every record is presently populated.

Index flags identify the benchmark area. **Stock flags now prefer source-reported company country**, matched to the exact exchange-qualified instrument. That reference is not independently verified legal domicile. If company country is unavailable, a known venue flag carries an explicit **Listing** tag; if both are unknown, a neutral marker appears. Country is not guessed from quote currency or a bare ticker. Inspect the flag's source/basis and retrieval date; retrieval is not an invented corporate-validity date.

This identity treatment also appears in quote searches, company views, stock-chart headers and portfolio stock rows. Equity display-region filters use the preferred country; the company screener's existing country column is explicitly **Listing country**. CSV adds company/listing country and flag basis. FX displays the base and quote currency areas; EUR uses a union reference. Commodity mini-icons and crypto glyphs supplement names and tickers. Unknown tokens retain a readable badge. [Company-country flag update](#).

Corrections include the actual **S&P/TSX Composite, SSE 50, US CBOE VIX** identities and the current CME lumber reference **LBR=F**. Duplicate aliases for one benchmark are consolidated. An unverified name-only fallback cannot become a newly verified symbol.

Currency-reference example

Open **Forex** → **ECB references**, choose a base such as CAD, then inspect a row. The source provides currencies per EUR. Watchtower calculates a cross as **quote-per-EUR ÷ base-per-EUR on the same fixing date**. The reviewed source supplied 30 currencies including EUR and a 90-day reference file. The prior common fixing supplies the comparison, not an invented intraday quote.

For a USD/foreign pair with a 10% rise, the reciprocal foreign/USD return is approximately –9.09%, not –10%: $(1 / (1 + 0.10) - 1) \times 100$. Pair direction therefore matters in FX strength.

ECB information is [available free of charge from the ECB](#). Cross-rates and changes are Watchtower calculations. Fixings are dated reference information, not executable transaction quotes. See [market sources and calculations](#).

</watchtower/market-coverage-methods.html>

Live

Read current space-weather observations with source issue/observation times.

- Inspect the space-weather panel: Compare Live, Threats, Forecast, Aurora, Asteroids and Sources for their different products.
- Inspect a satellite reference: Open Satellite & Sensor Data and read catalogue/element/source epochs.
- Use imagery or pass tools carefully: A dated image comparison and a pass calculation are source/geometry-specific products, not current sensor collection or guaranteed visibility.

▼ Live — reference detail

Space Weather tabs

The Space Weather area contains **Live**, **Threats**, **Forecast**, **Aurora**, **Asteroids** and **Sources**. Use it to distinguish measured solar-terrestrial conditions, official NOAA products, research models and NASA/JPL orbital references.

Live/Threats can include Kp, solar wind, radiation channels and official R/S/G scale context. Read channel, unit, quality flag and validity time. Kp, local K, Dst and geoelectric fields are different quantities. Missing official values should not be interpreted as G0/R0/S0. A regional geoelectric model is not a measured induced-current or power-failure map.

Aurora uses model fields and their valid times, not a direct sky observation. Inspect a cell, frame date and hemisphere/world view. Cloud, local terrain and light pollution affect what a person sees and are not automatically represented. GloTEC background-only versus observation-supported cells have their own support meaning.

Asteroids separates orbital catalogue references, predicted close approaches, Sentry monitoring, Scout candidates and historical fireballs. MOID is a distance between orbital paths, not a predicted simultaneous encounter. PHA classification is not an impact prediction. Source orbital epochs and TDB approach dates differ from a present-time position. [Space Weather methods](#).

Satellite & Sensor Data

Search the orbital/reference catalogue, filter ownership/type/coverage, select an object and inspect its source elements, epoch and projected track. Positions calculated from orbital elements are estimates with age limits. Missing or incompatible elements do not acquire invented positions.

Ownership references can be uncertain or use classifications that are not simple ISO countries. An organisation attached to a station module is not necessarily the owner of the whole station. Object counts can include reference/uncertain records and are not a count of confirmed operational satellites. Layers and fullscreen controls change presentation while retaining these qualifications.

</watchtower/space-weather-methods.html>

Threats

Inspect space-weather threat/warning products and their validity windows.

- Inspect the space-weather panel: Compare Live, Threats, Forecast, Aurora, Asteroids and Sources for their different products.
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▼ Threats — reference detail

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</watchtower/space-weather-methods.html>

Forecast

Read forecast products with the source's horizon and uncertainty rather than treating them as observations.

- Inspect the space-weather panel: Compare Live, Threats, Forecast, Aurora, Asteroids and Sources for their different products.
- Inspect a satellite reference: Open Satellite & Sensor Data and read catalogue/element/source epochs.
- Use imagery or pass tools carefully: A dated image comparison and a pass calculation are source/geometry-specific products, not current sensor collection or guaranteed visibility.

▼ Forecast — reference detail

Space Weather tabs

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</watchtower/space-weather-methods.html>

3D Solar System and smooth aurora maps

Open **Space Weather** → **Asteroids** or **Space Weather** → **Aurora**. Use **Full screen** for the largest map; the same controls work inside the full observatory.

Explore the 3D Solar System

- **Solar System** frames the Sun and all eight planets. **Inner planets** brings the near-Earth asteroid sample into view. Outer planets and inner orbits span very different distances; use the presets rather than expecting every body to look equally large in one view.
- Drag to orbit the camera. Shift/right-drag pans; scroll or pinch zooms. Arrow keys rotate, plus/minus zoom, and 0 resets. Touch uses one finger to rotate and two to pan/zoom. Keyboard focus on the canvas shows its focus outline.
- Choose **Focus planet** or click a visible planet to inspect a textured 3D body. Saturn includes a ring model. Close the information card when you want more room.
- Click an asteroid marker or use **Layers** → **Inspect a displayed asteroid** for its native NASA/JPL record. **Focus selected** centers the selected marker when its approximate scene-date position is available.
- **Time & display** chooses a UTC reference date from 2000 through 2049. **Play orbits** advances the illustrative scene by 8 days/second; **Pause orbits** stops it and **Today** returns to the current reference time. Motion is paused by default and stops when the scene is hidden or the account/replay context changes.
- Layers control asteroid paths, approximate markers, labels, planet orbit guides and planet bodies. **Map view** still offers the separate encounter distance/date chart and historical fireball globe. Source tables and exports remain available.

What the 3D positions mean

Planet positions use NASA/JPL SSD's **Table 1 fitted Keplerian elements and rates**, in the mean ecliptic/equinox of J2000, valid 1800–2050. This is a lower-accuracy reference model, not a numerical Horizons ephemeris. The Earth marker uses the **Earth–Moon barycenter**, not an exact Earth geocenter. Source nominal errors are body-dependent; outer-planet distance errors can be hundreds of thousands of kilometres or more.

The scene's UTC reference is converted with a fixed **+69.184 seconds** modern TT/TDB approximation. It is not an exact historical/future leap-second conversion. This approximation and the fitted orbit model are unsuitable for precise encounter timing, spacecraft navigation or occultation work. For high-precision ephemerides, use [NASA/JPL Horizons](#).

Asteroid paths retain the source semimajor axis, eccentricity, inclination, ascending node and argument of perihelion in heliocentric ecliptic J2000. Approximate scene-date markers advance the source mean anomaly using its published mean motion: $M = M_0 + n \times (\text{scene JD} - \text{source epoch JD})$. This is two-body visualization; planetary

perturbations, close-encounter dynamics and covariance are not propagated. Markers more than 365.25 days from the source epoch, or with missing/unsupported parameters, are withheld. Their valid nominal paths and original source details can still be read. The bounded map sample is at most 120 asteroids; the native catalogue remains separately searchable and exportable.

Positions and orbit paths share a **linear astronomical-unit scale**. Body sizes are enlarged for visibility, and surface orientation/lighting/stars are illustrative. The 3D scene is **not an impact corridor or collision forecast**. Use the unchanged NASA/JPL close-approach table for source TDB encounter times, geocentric miss distances and three-sigma bounds. MOID, PHA classification and Sentry probabilities retain their distinct source meanings.

Smooth aurora colors

The NOAA OVATION globe now uses a higher-resolution display raster, missing-aware bilinear interpolation and linear texture filtering. This removes block-like color steps while keeping a fixed 0–100% color scale. Interpolation wraps longitude across the date line and does not fill missing source cells or overshoot neighboring values.

Rendering is performed in a bounded worker where supported, with an on-demand fallback.

- **Layers** → **Smooth aurora colors (display only)** switches between the smooth rendering and source-cell display.
- **Overlay opacity** changes visibility over the basemap. **Aurora display threshold** hides lower displayed values; it does not increase the published probabilities.
- **North / South / World**, city references, basemap selection, day/night and fullscreen remain available. Higher-quality globe antialiasing and a smoother day/night texture improve visual edges.
- A click still reports the **exact nearest published grid node**, not a newly observed/interpolated probability. **Export displayed aurora grid** exports the unchanged 360×181 source grid, with 255 reserved for missing values.
- Observation time, forecast-valid time and selected historical frame stay separate. Expired current fields are withheld; historical captured frames remain labelled. Smoothing does not add source resolution, a visibility guarantee or a system-failure probability. Clouds, local light pollution and the observer's horizon are not modeled.
- The smoothing switch applies to OVATION. GloTEC and regional geoelectric layers keep their own units, source-cell/support rules and interpretation.

Graphics, accessibility and recovery

The scene renders on demand, caps drawing-buffer size and releases hidden graphics. If WebGL 3D is unavailable, the original orbit chart and source tables remain available. A lost 3D context offers **Retry 3D**. Source failure clears the affected live evidence; reference planet geometry does not imply that asteroid data were successfully fetched. Account/replay changes clear selections and stop animation. No new paid model or provider collection is triggered by the camera controls.

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- Three.js 0.180.0 and OrbitControls/Line2: MIT license. The pinned bundle and [license](#) are included in the release.

The [Space Weather methods](#) describe the full measurement, forecast, quality, temporal and coverage rules.

▼ Aurora — reference detail

Space Weather tabs

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</watchtower/space-weather-methods.html>

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▼ Asteroids — reference detail

Space Weather tabs

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</watchtower/space-weather-methods.html>

Sources

Inspect the space-weather source catalogue and qualifications behind the panel.

- Inspect the space-weather panel: Compare Live, Threats, Forecast, Aurora, Asteroids and Sources for their different products.
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</watchtower/space-weather-methods.html>

Geopolitical Futures

Connect historical opponents and source-qualified pressures to explicit future resource scenarios and competing strategic paths.

1. **Find Geopolitical Futures:** In Investigate / Advanced, Geopolitical Futures is the first main tab, immediately left of Natural Hazards. It is also available from the first Mission control and Research Tools shortcuts. User-hidden layout preferences and access gates still apply.
2. **Choose a country pair and map measure:** Open Geopolitical Futures beside War Room. Select a country, comparison country, future year and a clearly defined map measure.
3. **Trace the historical and resource evidence:** Use Country & opponents, Conflict history and Resources & demography. Read original dates, exact actor roles, unknowns and the input/formula table.
4. **Compare a scenario with its alternatives:** Build a tabletop scenario, add explicit strategic choices, compare cooperation and escalation paths, then inspect Model & track record before interpreting a probability.

▼ Geopolitical Futures — reference detail

A useful starting workflow

Open **Geopolitical Futures**, beside War Room. Start on **Hotspot atlas**, choose a country pair and a future reference year, then select a map measure. Population growth, density, land/person, water/person, source water stress and historical activity have different units; the map does not combine them into an attack score.

Country, terrain and disputes

Use **Country & opponents** to inspect the recorded opposing parties, primary/secondary roles and archived terrain, borders, rivers, natural resources and dispute wording. The country archive retains original years and its publication retirement on 4 February 2026. **Read recent reporting** retrieves a bounded, separately dated selection from the current political-news collection; publication and country mentions are not verified event locations, and reporting does not alter the historical model. A geographic study or representative point does not settle sovereignty, control or exact local impact. Related native workspaces provide fuller map and current-source research.

Read the historical evidence

Conflict history provides state-based conflict-years and opposing actor-pair years from 1946–2025, non-state conflict records, country-year organized violence, onset definitions, termination coding, stated rebel-group issues, peace agreements and external support. Each source keeps its own end year and record unit. A side-A label does not mean attacker. Year1000 in the issues source is undated/founding context, not the year1000 CE. Historical polities are not silently substituted for every present-day country.

Use country roles, opposing-country selection, years and text search. Clear the second country to see other opponents; clear both for global records. Read source-native pages as well as any MCP field pages. Record counts from different datasets overlap and are not counts of unique wars.

Explore population and resource futures

Resources & demography uses World Bank population estimates/projections through 2050 and dated land, water, agriculture and resource-rent observations. Adjust population deviation, renewable-water change, withdrawal per person and arable area. Read the exact formula and original anchor years below the result. User changes are assumptions, not UN confidence variants or a climate model. Internal renewable water excludes incoming international flows; arable hectares are not food production, and resource rents are not recoverable reserves.

Run a strategic scenario tabletop

Choose a geographic study or custom country pair, hypothetical trigger and third-party assumption. Build the scenario to see an evidence brief, possible directions of pressure and historical mechanism analogues. Add up to 12 moves for side A or B: talks, an access/resource agreement, political/economic pressure, an explicitly assumed limited confrontation, or standing down. Undo or clear rounds to compare paths. The initiating actor is only a user assumption; the model does not infer a future government's attack decision from history, nationality or religion.

Compare negotiated access, contained confrontation and wider spillover. These are rule-based conditional branches, without invented branch probabilities, military targeting or victory/casualty estimates. Scenario drafts are session-only; **Export selection** keeps the assumptions and source snapshot.

Understand model and track record

The numerical historical model targets **source-coded state-based organized-violence event presence inside country borders in a calendar year**. It is not a bilateral attack, aggression or war-onset model. Only complete five-year source histories enter the model. Validation and test use later calendar periods with a frozen training cutoff; prevalence and persistence comparisons, Brier score, log-loss and reliability bins are shown. The retrospective source vintage is explicit.

Population projections extend to 2050; conflict probabilities are displayed only at qualified, separately tested annual leads. The current 2025 input cutoff means a 2027 value uses two model steps. Longer unqualified leads stay unknown. Initial prospective outcomes remain unresolved; new forecasts have actual issuance times in their own append-only record. Historical zeros mean no eligible source record, not proof that no violence occurred. Actor objectives and country cultural references are contextual, not demographic aggression predictors.

See [Geopolitical Futures methods](#) for source versions, definitions, formulas and limitations.

</watchtower/geopolitical-futures-methods.html>

Shared tools

AI Help Guide

Use this explicitly requested AI task with selected public evidence or product documentation. Inspect inputs, citations, scope and the current account/provider status.

Contextual Analyst

Use this explicitly requested AI task with selected public evidence or product documentation. Inspect inputs, citations, scope and the current account/provider status.

Explain risk & change

Use this explicitly requested AI task with selected public evidence or product documentation. Inspect inputs, citations, scope and the current account/provider status.

Semantic search & Data Q&A

Use this explicitly requested AI task with selected public evidence or product documentation. Inspect inputs, citations, scope and the current account/provider status.

Multilingual claim extraction

Use this explicitly requested AI task with selected public evidence or product documentation. Inspect inputs, citations, scope and the current account/provider status.

Country-role review

Use this explicitly requested AI task with selected public evidence or product documentation. Inspect inputs, citations, scope and the current account/provider status.

Semantic report linking

Use this explicitly requested AI task with selected public evidence or product documentation. Inspect inputs, citations, scope and the current account/provider status.

Contradictions & revisions

Use this explicitly requested AI task with selected public evidence or product documentation. Inspect inputs, citations, scope and the current account/provider status.

Cited briefing

Use this explicitly requested AI task with selected public evidence or product documentation. Inspect inputs, citations, scope and the current account/provider status.

Alert triage & rule drafts

Use this explicitly requested AI task with selected public evidence or product documentation. Inspect inputs, citations, scope and the current account/provider status.

Document analysis

Use this explicitly requested AI task with selected public evidence or product documentation. Inspect inputs, citations, scope and the current account/provider status.

Map query assistant

Use this explicitly requested AI task with selected public evidence or product documentation. Inspect inputs, citations, scope and the current account/provider status.

Forecast evidence review

Use this explicitly requested AI task with selected public evidence or product documentation. Inspect inputs, citations, scope and the current account/provider status.

Map Layers

Open the main layer directory; specialist maps also have their own layer controls.

Evidence inspector

Inspect the selected item and its source/clock/meaning in the native evidence pane.

Timeline

Inspect current timeline/replay context with the source's own event definitions.

Commands

Find supported native tools and navigation entries by name.

Workspace fullscreen

Expand a current workspace while retaining the same native view.

Customize Workspace

Review supported panel, layout and preference controls before saving or resetting.

API Connections & Add-ons

Configure eligible owned provider connections through the native account controls.

Hosted AI Agent MCP

Create an appropriately scoped token and discover the live reviewed dataset catalogue.

Report an issue

Describe the affected workspace, action, time and visible error using native reporting/support.

Learning progress

Resume public lessons and practice checks; guide progress does not grant account permissions.

Current data-point directory

This edition documents 131 normalized public data-point definitions. They are reference types, not claims that every source is fresh or complete. The Pro Brief picker loads the current catalogue when requested. Specialist dataset feeds are listed separately below.

Data point · Funding Stress

Identifier: domain-funding-stress. Source: Funding liquidity + banking plumbing.

- Unit: index_points
- Measure kind: risk_index
- Direction: higher_is_worse
- Evidence class: model_derived
- Primary field: /score
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, sourceModelIndex, originalMeasures.

Data point · Bank Solvency / Contagion

Identifier: domain-bank-solvency-contagion. Source: Banking systemic risk model.

- Unit: index_points
- Measure kind: risk_index
- Direction: higher_is_worse
- Evidence class: model_derived
- Primary field: /score
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, sourceModelIndex, originalMeasures.

Data point · Market Structure Stress

Identifier: domain-market-structure-stress. Source: Credit derivatives + fund-flow + hedge-crowding models.

- Unit: index_points
- Measure kind: risk_index
- Direction: higher_is_worse
- Evidence class: model_derived
- Primary field: /score
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, sourceModelIndex, originalMeasures.

Data point · Supply Chain Friction

Identifier: domain-supply-chain-friction. Source: Port/freight + marine war-risk + mobility + trade-control monitors.

- Unit: index_points
- Measure kind: risk_index
- Direction: higher_is_worse
- Evidence class: model_derived
- Primary field: /score
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, originalMeasures.

Data point · Energy System Stress

Identifier: domain-energy-system-stress. Source: Power/grid + outage + energy proxy monitor.

- Unit: index_points
- Measure kind: risk_index
- Direction: higher_is_worse
- Evidence class: model_derived
- Primary field: /score
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, originalMeasures.

Data point · Food Security

Identifier: domain-food-security. Source: USDA/drought/water + official animal disease + inflation monitors.

- Unit: index_points
- Measure kind: risk_index
- Direction: higher_is_worse
- Evidence class: model_derived
- Primary field: /score
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, originalMeasures.

Data point · Cyber / Internet Infrastructure

Identifier: domain-cyber-internet-infra. Source: Network plumbing + CISA/NVD.

- Unit: index_points
- Measure kind: risk_index
- Direction: higher_is_worse
- Evidence class: model_derived
- Primary field: /score
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, originalMeasures.

Data point · Sovereign / Political Stability

Identifier: domain-sovereign-political-stability. Source: Country risk + OFAC/OpenSanctions/trade controls.

- Unit: index_points
- Measure kind: risk_index
- Direction: higher_is_worse
- Evidence class: model_derived
- Primary field: /score
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, originalMeasures.

Data point · Insurance / Shipping Risk

Identifier: domain-insurance-shipping-risk. Source: Marine war-risk + port/freight + AIS + GNSS monitors.

- Unit: index_points
- Measure kind: risk_index
- Direction: higher_is_worse
- Evidence class: model_derived
- Primary field: /score
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, originalMeasures.

Data point · Public Health Capacity Stress

Identifier: domain-public-health-capacity. Source: WHO/CDC + WOA/FAO/APHIS + OWID health capacity.

- Unit: index_points
- Measure kind: risk_index
- Direction: higher_is_worse
- Evidence class: model_derived
- Primary field: /score
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, originalMeasures.

Data point · Migration / Border Pressure

Identifier: domain-migration-border-pressure. Source: Mobility border nodes + country-risk overlap.

- Unit: index_points
- Measure kind: risk_index
- Direction: higher_is_worse
- Evidence class: model_derived
- Primary field: /score
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, originalMeasures.

Data point · Corporate Distress

Identifier: domain-corporate-distress. Source: SEC current filings + credit stress.

- Unit: index_points
- Measure kind: risk_index
- Direction: higher_is_worse
- Evidence class: model_derived
- Primary field: /score
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, sourceModelIndex, originalMeasures.

Data point · Bullion Dealer Premiums

Identifier: bullion-dealer-premiums. Source: Named public bullion dealers; row-specific spot sources.

- Unit: % over equivalent fine-metal spot
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: countries, countryCount, quoteCount, inStockQuotes, preorderQuotes, staleQuotes, unavailableQuotes, endpoint.

Data point · Bullion Premium Us Gold

Identifier: bullion-premium-US-gold. Source: Hero Bullion.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Us Silver

Identifier: bullion-premium-US-silver. Source: Hero Bullion.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Ca Gold

Identifier: bullion-premium-CA-gold. Source: CanadianPMX.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Ca Silver

Identifier: bullion-premium-CA-silver. Source: CanadianPMX.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Gb Gold

Identifier: bullion-premium-GB-gold. Source: Bleyer Bullion.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Gb Silver

Identifier: bullion-premium-GB-silver. Source: Atkinsons Bullion.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Tavex No Gold

Identifier: bullion-premium-tavex-no-gold. Source: Tavex.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Tavex Fi Gold

Identifier: bullion-premium-tavex-fi-gold. Source: Tavex.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Tavex Fi Silver

Identifier: bullion-premium-tavex-fi-silver. Source: Tavex.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Tavex No Silver

Identifier: bullion-premium-tavex-no-silver. Source: Tavex.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Tavex Bg Gold

Identifier: bullion-premium-tavex-bg-gold. Source: Tavex.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Tavex Pl Gold

Identifier: bullion-premium-tavex-pl-gold. Source: Tavex.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Tavex Bg Silver

Identifier: bullion-premium-tavex-bg-silver. Source: Tavex.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Tavex PI Silver

Identifier: bullion-premium-tavex-pl-silver. Source: Tavex.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Tavex Rs Gold

Identifier: bullion-premium-tavex-rs-gold. Source: Tavex.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Tavex Ro Gold

Identifier: bullion-premium-tavex-ro-gold. Source: Tavex.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Tavex Hu Gold

Identifier: bullion-premium-tavex-hu-gold. Source: Tavex.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Tavex Ro Silver

Identifier: bullion-premium-tavex-ro-silver. Source: Tavex.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Philoro De Gold

Identifier: bullion-premium-philoro-de-gold. Source: philoro.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Philoro At Gold

Identifier: bullion-premium-philoro-at-gold. Source: philoro.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Hollandgold NI Gold

Identifier: bullion-premium-hollandgold-nl-gold. Source: Holland Gold.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Philoro Ch Gold

Identifier: bullion-premium-philoro-ch-gold. Source: philoro.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Hollandgold NI Silver

Identifier: bullion-premium-hollandgold-nl-silver. Source: Holland Gold.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Bullionstar Sg Gold

Identifier: bullion-premium-bullionstar-sg-gold. Source: BullionStar.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Bullionnow Au Silver

Identifier: bullion-premium-bullionnow-au-silver. Source: Bullion Now.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Bullion Premium Bullionstar Nz Gold

Identifier: bullion-premium-bullionstar-nz-gold. Source: BullionStar.

- Unit: %
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: country, metal, currency, productPrice, spotPrice, fineWeightOz, benchmarkValue, premiumPct, premiumAbs, premiumExTaxPct, availability, sourceSpotUrl, productObservedAt, benchmarkObservedAt, formula, scoreImpact.

Data point · Global Politics Evidence

Identifier: global-politics-evidence. Source: Attributed political and institutional source snapshots.

- Unit: source records
- Measure kind: Not specified
- Direction: Not specified
- Evidence class: Not specified
- Primary field:
- Predictive authorization: prohibited

Named metrics: countries, electionRecords, electionCountries, calendarYears, chambers, compositionChambers, reconciledChambers, parties, partyLogos, customClassified, markets, venues, upcoming90d, endpoint, scoreImpact, snapshotId.

Data point · Cisa Ics Ot Advisories

Identifier: cisa-ics-ot-advisories. Source: CISA ICS/OT advisory monitors.

- Unit: events_or_records
- Measure kind: event_count
- Direction: non_directional
- Evidence class: structured_official
- Primary field: /total
- Predictive authorization: context_only_pending_window_registration

Named metrics: keywordHits, feedsHealthy, feedsTotal.

Data point · Structured Hydromet River Risk

Identifier: structured-hydromet-river-risk. Source: NWS/SPC/NOAA Water/USGS river monitors.

- Unit: events_or_records
- Measure kind: event_count
- Direction: non_directional
- Evidence class: structured_official
- Primary field: /total
- Predictive authorization: context_only_pending_window_registration

Named metrics: warningRows, hydrometRows, points, US NWS.

Data point · Cdc Wastewater Respiratory Early Warning

Identifier: cdc-wastewater-respiratory-early-warning. Source: CDC NWSS + respiratory surveillance monitors.

- Unit: coverage_or_mixed_records
- Measure kind: coverage
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: sourcesHealthy, sourcesTotal, feedsHealthy, feedsTotal, keywordHits, coveredBySourceRegistration, cdc-nwss, cdc-respiratory, cdc-fluview.

Data point · Stablecoin Issuer Reserve Attestations

Identifier: stablecoin-issuer-reserve-attestations. Source: Stablecoin issuer reserve/transparency monitors.

- Unit: coverage_or_mixed_records
- Measure kind: coverage
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: sourcesHealthy, sourcesTotal, tether-reserves, circle-usdc-reserves, paxos-reserves, pyusd-reserves.

Data point · Official Rail Volume Service

Identifier: official-rail-volume-service. Source: AAR/STB/BTS/FRA rail volume and service monitors.

- Unit: coverage_or_mixed_records
- Measure kind: coverage
- Direction: non_directional
- Evidence class: structured_official
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: sourcesHealthy, sourcesTotal, aar-volume, stb-service.

Data point · Humanitarian Disaster Source Pack

Identifier: humanitarian-disaster-source-pack. Source: ReliefWeb + HDX + UN OCHA source pack.

- Unit: coverage_or_mixed_records
- Measure kind: coverage
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: sourcesHealthy, sourcesTotal, feedsHealthy, feedsTotal, keywordHits, coveredBySourceRegistration, reliefweb, hdx, ocha.

Data point · Cyclone Track Source Pack

Identifier: cyclone-track-source-pack. Source: JTWC + NOAA IBTrACS source pack.

- Unit: coverage_or_mixed_records
- Measure kind: coverage
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: sourcesHealthy, sourcesTotal, feedsHealthy, feedsTotal, keywordHits, coveredBySourceRegistration, ibtracs.

Data point · Flood Sar Ems Source Pack

Identifier: flood-sar-ems-source-pack. Source: Sentinel-1 SAR + GloFAS + Copernicus EMS source pack.

- Unit: coverage_or_mixed_records
- Measure kind: coverage
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: sourcesHealthy, sourcesTotal, feedsHealthy, feedsTotal, keywordHits, coveredBySourceRegistration, glofas, sentinel-1.

Data point · Internet Routing Source Pack

Identifier: internet-routing-source-pack. Source: RIPE RIS/RIPEstat + CAIDA BGPStream + Cloudflare Radar source pack.

- Unit: coverage_or_mixed_records
- Measure kind: coverage
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: sourcesHealthy, sourcesTotal, feedsHealthy, feedsTotal, keywordHits, coveredBySourceRegistration, ripe-stat, ripe-ris, caida-bgpstream.

Data point · Official Energy Source Pack

Identifier: official-energy-source-pack. Source: EIA + ENTSO-E + GIE AGSI + JODI source pack.

- Unit: coverage_or_mixed_records
- Measure kind: coverage
- Direction: non_directional
- Evidence class: structured_official
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: sourcesHealthy, sourcesTotal, feedsHealthy, feedsTotal, keywordHits, coveredBySourceRegistration, eia-petroleum, eia-gas-storage, entsoe-power, gie-agsi, jodi.

Data point · Structured Sanctions Source Pack

Identifier: structured-sanctions-source-pack. Source: EU/OFSI/UN/BIS/U.S. CSL source pack.

- Unit: coverage_or_mixed_records
- Measure kind: coverage
- Direction: non_directional
- Evidence class: structured_official
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: sourcesHealthy, sourcesTotal, feedsHealthy, feedsTotal, keywordHits, coveredBySourceRegistration, eu-sanctions, uk-ofsi, us-csl.

Data point · Food Security Source Pack

Identifier: food-security-source-pack. Source: FEWS NET + FAO GIEWS + Crop Monitor source pack.

- Unit: coverage_or_mixed_records
- Measure kind: coverage
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: sourcesHealthy, sourcesTotal, feedsHealthy, feedsTotal, keywordHits, coveredBySourceRegistration, fao-giews.

Data point · Aviation Maritime Ops Source Pack

Identifier: aviation-maritime-ops-source-pack. Source: Eurocontrol + FAA OIS/NOTAM + MarineCadastre + USACE source pack.

- Unit: coverage_or_mixed_records
- Measure kind: coverage
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: sourcesHealthy, sourcesTotal, feedsHealthy, feedsTotal, keywordHits, coveredBySourceRegistration, eurocontrol, marinecadastre-ais.

Data point · Country Full Analysis Source Pack

Identifier: country-full-analysis-source-pack. Source: Country dossier + World Bank + RestCountries + Watchtower country-risk + TradingEconomics calendar.

- Unit: coverage_or_mixed_records
- Measure kind: coverage
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: countries, highRisk, hugeRisk, war, endpoint, calendarEndpoint.

Data point · Eu Procurement Intelligence

Identifier: eu-procurement-intelligence. Source: EU TED Search API.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Canada Contract Awards

Identifier: canada-contract-awards. Source: Government of Canada proactive contracts.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Power Asset Ownership

Identifier: power-asset-ownership. Source: EIA Form 860.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Nfip Flood Losses

Identifier: nfip-flood-losses. Source: OpenFEMA NFIP Claims v3.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Storm Loss Events

Identifier: storm-loss-events. Source: NOAA NCEI Storm Events.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Aviation Accident History

Identifier: aviation-accident-history. Source: NTSB aviation accident census.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Environmental Enforcement

Identifier: environmental-enforcement. Source: EPA ECHO.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Money Market Fund Exposures

Identifier: money-market-fund-exposures. Source: SEC EDGAR Form N-MFP.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Historical Vessel Tracks

Identifier: historical-vessel-tracks. Source: NOAA Marine Cadastre.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Europe Disease Surveillance

Identifier: europe-disease-surveillance. Source: ECDC aggregate open data.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Passport Residency Exit Mobility

Identifier: passport-residency-exit-mobility. Source: Community Passport Index Dataset (MIT).

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks, passportRecords, destinationRelationships, sourceRevision, sourceRevisionPublishedAt.

Data point · Subnational Ancap Policy Layer

Identifier: subnational-ancap-policy-layer. Source: Tax Foundation + state/province/canton policy sources.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Capital Controls Fx Restrictions

Identifier: capital-controls-fx-restrictions. Source: IMF AREAER + central bank / finance ministry notices.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Sanctions Entity Vessel Ownership Graph

Identifier: sanctions-entity-vessel-ownership-graph. Source: OpenSanctions + OFAC/EU/UN/OFSI + OpenOwnership + vessel registries.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Ais Port Call History

Identifier: ais-port-call-history. Source: Commercial AIS / public AIS history source pack.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Structured Election Calendar

Identifier: structured-election-calendar. Source: Global Politics · attributed open calendars and institution records.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: structured_official
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Government Gazette Legal Change Parser

Identifier: government-gazette-legal-change-parser. Source: Federal Register + EUR-Lex + official gazettes.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Corporate Registry Graph

Identifier: corporate-registry-graph. Source: GLEIF LEI + public company registries.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Beneficial Ownership Risk

Identifier: beneficial-ownership-risk. Source: OpenOwnership BODS.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Procurement Award Risk

Identifier: procurement-award-risk. Source: USAspending + SAM.gov + FPDS.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Eu Global Procurement Watch

Identifier: eu-global-procurement-watch. Source: EU TED public procurement.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Legal Enforcement Pressure

Identifier: legal-enforcement-pressure. Source: Federal Register enforcement records + CourtListener.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Ransomware Victim Intelligence

Identifier: ransomware-victim-intelligence. Source: CISA KEV + public ransomware victim monitors.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Global Event Stream

Identifier: global-event-stream. Source: GDELT Events 2.1.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Conflict Event Baseline

Identifier: conflict-event-baseline. Source: UCDP GED full/candidate conflict events.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Refugee Displacement Pressure

Identifier: refugee-displacement-pressure. Source: UNHCR Operational Data.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Migration Route Monitor

Identifier: migration-route-monitor. Source: IOM DTM via HDX catalog.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Telecom Regulatory Outages

Identifier: telecom-regulatory-outages. Source: National telecom regulators + internet observability feeds.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Fcc Dirs Nors Outages

Identifier: fcc-dirs-nors-outages. Source: FCC DIRS/NORS public outage communications.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Trade Dependency Precision

Identifier: trade-dependency-precision. Source: UN Comtrade + WITS + OEC.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Food Insecurity Phase Risk

Identifier: food-insecurity-phase-risk. Source: IPC acute food insecurity.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Bank Call Report Stress

Identifier: bank-call-report-stress. Source: FFIEC Call Reports.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Fdic Bank Profile Risk

Identifier: fdic-bank-profile-risk. Source: FDIC SDI / BankFind.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Money Market Fund Holdings Risk

Identifier: money-market-fund-holdings-risk. Source: SEC N-MFP.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Clearinghouse Margin Stress

Identifier: clearinghouse-margin-stress. Source: CME / ICE / OCC margin and risk notices.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Repo Treasury Fails

Identifier: repo-treasury-fails. Source: Federal Reserve / OFR Treasury market plumbing data.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Insurance Claims Loss Estimates

Identifier: insurance-claims-loss-estimates. Source: NOAA disasters + insurance loss-estimate sources.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Cat Bond Spread Stress

Identifier: cat-bond-spread-stress. Source: Swiss Re cat bond indices + public ILS market context.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Ofr Financial Stress

Identifier: ofr-financial-stress. Source: Office of Financial Research.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Oecd Macro Labor Expansion

Identifier: oecd-macro-labor-expansion. Source: OECD Data Explorer.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Industrial Asset Bulk Layer

Identifier: industrial-asset-bulk-layer. Source: Global Energy Monitor bulk trackers.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Physical Commodity Inventories

Identifier: physical-commodity-inventories. Source: EIA / JODI / exchange warehouse inventory sources.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Lme Comex Warehouse Stocks

Identifier: lme-comex-warehouse-stocks. Source: LME and CME warehouse stock reports.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Strategic Reserve Stockpiles

Identifier: strategic-reserve-stockpiles. Source: EIA SPR + public strategic reserve notices.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Openinframap Critical Assets

Identifier: openinframap-critical-assets. Source: OpenInfraMap / OSM infrastructure.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Infrastructure Ownership Dependency Graph

Identifier: infrastructure-ownership-dependency-graph. Source: OpenStreetMap / OpenInfraMap + corporate registry ownership context.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Critical Facility Operator Risk

Identifier: critical-facility-operator-risk. Source: Facility registries + operator financial/legal/cyber context.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Satellite Reentry Reliable Feed

Identifier: satellite-reentry-reliable-feed. Source: Space-Track decay/reentry.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Adsb Military Air Activity

Identifier: adsb-military-air-activity. Source: Public/partner ADS-B military feeds.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Global Ais History Risk

Identifier: global-ais-history-risk. Source: AIS history and dark-activity monitors.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Imagery Change Detection Index

Identifier: imagery-change-detection-index. Source: Sentinel / Landsat derived change detection.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Sentinel Sar Flood Change

Identifier: sentinel-sar-flood-change. Source: Copernicus Sentinel-1 SAR + EMS flood mapping.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Viirs Nightlights Delta

Identifier: viirs-nightlights-delta. Source: NASA/NOAA VIIRS nightlights derived outage and activity deltas.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Analyst Case Workflow

Identifier: analyst-case-workflow. Source: Watchtower internal provenance and case records.

- Unit: coverage_or_mixed_records
- Measure kind: source_health
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: configured, requiresConfiguration, sourcesRegistered, reachableSources, checks.

Data point · Recession Radar

Identifier: recession-radar. Source: FHWA/BTS/EIA/FRED + SEC EDGAR + BLS + open market/news proxies.

- Unit: index_points
- Measure kind: risk_index
- Direction: higher_is_worse
- Evidence class: model_derived
- Primary field: /score
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, sourceModelIndex, originalMeasures.

Data point · Systemic Internet Backbone

Identifier: systemic-internet-backbone. Source: Cloud/status + BGP/DNS headline monitors.

- Unit: qualified_source_records
- Measure kind: event_count
- Direction: non_directional
- Evidence class: media_reported
- Primary field: /total
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, originalMeasures.

Data point · Systemic Power Market Stress

Identifier: systemic-power-market-stress. Source: Grid/outage + energy proxy monitor.

- Unit: qualified_source_records
- Measure kind: event_count
- Direction: non_directional
- Evidence class: media_reported
- Primary field: /total
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, originalMeasures.

Data point · Systemic Port Chokepoints

Identifier: systemic-port-chokepoints. Source: Port/freight + maritime anomaly + marine war-risk monitor.

- Unit: qualified_source_records
- Measure kind: event_count
- Direction: non_directional
- Evidence class: media_reported
- Primary field: /total
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, originalMeasures.

Data point · Systemic Cyber Risk

Identifier: systemic-cyber-risk. Source: CISA KEV/Advisories + NVD.

- Unit: qualified_source_records
- Measure kind: event_count
- Direction: non_directional
- Evidence class: media_reported
- Primary field: /total
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, originalMeasures.

Data point · Systemic Food Crop Stress

Identifier: systemic-food-crop-stress. Source: USDA/drought/grain headline monitors.

- Unit: qualified_source_records
- Measure kind: event_count
- Direction: non_directional
- Evidence class: media_reported
- Primary field: /total
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, originalMeasures.

Data point · Systemic Water Security

Identifier: systemic-water-security. Source: USGS/water headline monitors.

- Unit: qualified_source_records
- Measure kind: event_count
- Direction: non_directional
- Evidence class: media_reported
- Primary field: /total
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, originalMeasures.

Data point · Systemic Sanctions Trade Controls

Identifier: systemic-sanctions-trade-controls. Source: OFAC + OpenSanctions + export-control monitors.

- Unit: qualified_source_records
- Measure kind: event_count
- Direction: non_directional
- Evidence class: media_reported
- Primary field: /total
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, originalMeasures.

Data point · Systemic Banking Plumbing

Identifier: systemic-banking-plumbing. Source: Banking systemic risk model.

- Unit: index_points
- Measure kind: risk_index
- Direction: higher_is_worse
- Evidence class: model_derived
- Primary field: /score
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, sourceModelIndex, originalMeasures.

Data point · Systemic Market Microstructure

Identifier: systemic-market-microstructure. Source: Funding liquidity + credit derivatives monitors.

- Unit: index_points
- Measure kind: risk_index
- Direction: higher_is_worse
- Evidence class: model_derived
- Primary field: /score
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, sourceModelIndex, originalMeasures.

Data point · Systemic Space Satellite Risk

Identifier: systemic-space-satellite-risk. Source: GNSS interference + NOAA SWPC.

- Unit: qualified_source_records
- Measure kind: event_count
- Direction: non_directional
- Evidence class: media_reported
- Primary field: /total
- Predictive authorization: context_only_until_outcome_validation

Named metrics: qualifiedRecords, availableSources, requiredSources, originalMeasures.

Data point · Faa Nas Status

Identifier: faa-nas-status. Source: FAA NAS Status.

- Unit: events_or_records
- Measure kind: event_count
- Direction: non_directional
- Evidence class: structured_official
- Primary field: /total
- Predictive authorization: context_only_pending_window_registration

Named metrics: groundStops, groundDelays, delays, closures.

Data point · Nhc Storm Advisories

Identifier: nhc-storm-advisories. Source: NOAA National Hurricane Center.

- Unit: events_or_records
- Measure kind: event_count
- Direction: non_directional
- Evidence class: structured_official
- Primary field: /total
- Predictive authorization: context_only_pending_window_registration

Named metrics: atlantic, easternPacific, coveredBySourceRegistration.

Data point · Cisa Infra Cyber

Identifier: cisa-infra-cyber. Source: CISA KEV + Advisories.

- Unit: events_or_records
- Measure kind: event_count
- Direction: non_directional
- Evidence class: structured_official
- Primary field: /total
- Predictive authorization: context_only_pending_window_registration

Named metrics: kevRecent30d, kevTotal, advisories.

Data point · Ofac Recent Actions

Identifier: ofac-recent-actions. Source: OFAC Recent Actions RSS.

- Unit: events_or_records
- Measure kind: event_count
- Direction: non_directional
- Evidence class: structured_official
- Primary field: /total
- Predictive authorization: context_only_pending_window_registration

Named metrics: actions.

Data point · Opensanctions Index

Identifier: opensanctions-index. Source: OpenSanctions Default Dataset.

- Unit: inventory_records
- Measure kind: inventory
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: entities, targets, issues, resources.

Data point · Power Grid Emergency

Identifier: power-grid-emergency. Source: Watchtower power/grid stress.

- Unit: events_or_records
- Measure kind: event_count
- Direction: non_directional
- Evidence class: structured_official
- Primary field: /total
- Predictive authorization: context_only_pending_window_registration

Named metrics: alerts, items, criticalOutages, internetCriticalAlertsContext, countries, gridStressSignals, powerMarketSignals, loadSheddingSignals, gasLngSignals, utilityStressSignals, gasLngStressScore, utilityStressScore, wholesalePowerStressScore.

Data point · Port Maritime Chokepoints

Identifier: port-maritime-chokepoints. Source: Watchtower port + maritime + marine war-risk stress.

- Unit: events_or_records
- Measure kind: event_count
- Direction: non_directional
- Evidence class: media_reported
- Primary field: /total
- Predictive authorization: context_only_pending_window_registration

Named metrics: portFreight, maritime, marineWarRisk.

Data point · Marine War Risk Insurance

Identifier: marine-war-risk-insurance. Source: Public marine war-risk and insurance monitors.

- Unit: events_or_records
- Measure kind: event_count
- Direction: non_directional
- Evidence class: media_reported
- Primary field: /total
- Predictive authorization: context_only_pending_window_registration

Named metrics: keywordHits, feedsHealthy, feedsTotal.

Data point · Health Cdc Who Severity

Identifier: health-cdc-who-severity. Source: WHO/CDC + WOA/FAO/APHIS + Country Source Pack.

- Unit: events_or_records
- Measure kind: event_count
- Direction: non_directional
- Evidence class: structured_official
- Primary field: /total
- Predictive authorization: context_only_pending_window_registration

Named metrics: outbreaks, animalDiseaseOfficial, countryEvidence.

Data point · Animal Disease Official

Identifier: animal-disease-official. Source: WOAH WAHIS + FAO EMPRES + USDA APHIS monitors.

- Unit: events_or_records
- Measure kind: event_count
- Direction: non_directional
- Evidence class: structured_official
- Primary field: /total
- Predictive authorization: context_only_pending_window_registration

Named metrics: keywordHits, feedsHealthy, feedsTotal.

Data point · Inflation Price Corroboration

Identifier: inflation-price-corroboration. Source: FRED money/credit + BLS fixed-unit prices + Truflation/Trading Economics/BPP/Adobe + fuel/shelter/input trackers.

- Unit: index_points
- Measure kind: risk_index
- Direction: higher_is_worse
- Evidence class: model_derived
- Primary field: /score
- Predictive authorization: feature

Named metrics: sourcesHealthy, sourcesCovered, sourcesTotal, cpiAllYoYPct, cpiCoreYoYPct, grocerySeries, monetarySeries, monetaryStale, m2MonthlyYoYPct, m2WeeklyYoYPct, fedBalanceSheetYoYPct, bankCreditYoYPct, reverseRepoYoYPct, trackerSources, trackerLive, trackerCovered, alternateIndexSources, fuelSources, shelterSources, inputCostSources, vehiclePriceSources, retailSkuSources, faoFoodPriceIndex, faoMonthlyPct, worldBankFoodMonthlyPct, worldBankFertilizerMonthlyPct, alternate-online-index, fixed-unit-food, fuel, shelter, money-supply, alternate-cpi, input-cost, freight, vehicle-prices, retail-sku.

Data point · Bis Financial Bulk Inventory

Identifier: bis-financial-bulk-inventory. Source: BIS Data Portal bulk downloads.

- Unit: inventory_records
- Measure kind: inventory
- Direction: non_directional
- Evidence class: contextual
- Primary field: /total
- Predictive authorization: prohibited

Named metrics: datasets, datedDatasets, undatedDatasets, banking, debt, credit, liquidity, derivatives, inflation, fx, central-bank, payments.

Glossary

Advanced

The broader capability-gated specialist workspace, distinct from the public brief.

Alert

A particular monitoring condition/result. Always identify its evaluator and delivery channel.

API

A programmatic interface; availability of a route does not grant every source licence.

Basis point (bp/bps)

One hundredth of a percentage point. A 4.00% to 4.10% yield move is 10 bps.

CAP

Common Alerting Protocol. A message is an issuing product, not necessarily one distinct physical event.

Canonical home

The main workspace for a data family; other views can link or summarise it.

Catalogue

Registered interfaces, fields, sources or references; registration differs from usable current data.

Collected / checked

Watchtower's retrieval or verification clock, not automatically the original observation time.

Confidence / support

A source/model-specific concept. Read its definition; it is not a universal probability of truth.

Coverage

Which places, times, entities or source records a dataset actually supports.

CSV

A tabular export. Preserve units, period, source and selection scope.

Daily bar

A source trading-session record. Its timestamp is not necessarily a current last-trade clock.

Derived

Calculated from stated inputs rather than separately observed.

Exposure

A defined relationship to an asset, place or event; association alone is not measured loss.

Fixing

A dated reference exchange-rate determination; distinct from an executable live quote.

Forecast horizon

The exact future window or session count for a specified target.

Gated / ineligible

A required access, source, definition, freshness or evidence condition is not met.

GeoJSON

A geographic export format; geometry still needs its source and precision label.

Heuristic

An authored screening rule or transformation, not necessarily an empirically calibrated prediction.

Immutable edition / issuance

A record whose original content/identity is retained; corrections use separate versions or outcomes.

JSON Pointer

A path such as /sources/0 selecting a field/subtree in a structured response.

Last known / retained

Previously accepted evidence retained with its original clocks and state.

Locality reference

Approximate place context, not a surveyed site or exact event position.

MCP

Model Context Protocol: a way for an authorised AI client to discover/call the reviewed tools.

Missing / null

No qualified value supplied. It is not a numerical zero.

Model version

The definition/calculation identity needed to compare or reproduce an output.

Nominal / real / PPP

Current monetary units, inflation-adjusted values and purchasing-power comparisons; not interchangeable.

Observation period

The date/month/quarter/year or interval a statistic describes.

Owner-scoped

Bound to the verified account rather than shared across signed-in users.

Percent / percentage point

A relative ratio/change versus an arithmetic difference between percentages.

Prospective

Actually issued before the target outcome, with its real issue time and frozen evidence.

Published-vintage replay

Historical reconstruction using currently available historical data, which may contain revisions.

Reference-only

A useful directory/method/source link without a qualified integrated numerical feed.

Replay

A captured historical application/source context; it is not an instruction to fill gaps with live data.

Resolution

The defined process that records whether a forecast's exact target occurred with sufficient evidence.

Scenario / sensitivity

A conditional assumption or changed-input experiment, not automatically a confidence interval.

Snapshot

A captured generation used for coherent reads; native source and MCP snapshots can be separate.

Source-revised

A source change affects compatibility with a frozen record; scoring can be withheld.

Stale / partial

Outside the source-age requirement or incomplete in the declared scope.

Stock / flow

A balance at a point in time versus an amount measured over an interval.

TVL / volume / fees / revenue

Distinct digital-asset measures that should not be added or substituted without a defined basis.

Watchlist

A saved selection. Its storage, evaluation and notification behaviour depends on the feature.

Yield

A rate for the specified instrument/convention, not its price return.

Basis point

One hundredth of a percentage point. 100 bps equals 1 percentage point.

CDS spread

A reported credit-derivative spread field with its own contract, source time and price notation.

Coupon

A contractual fixed payment rate; it is not automatically the observed market spread.

Upfront payment

A separately reported monetary payment, not a par spread or probability.

LEI

A legal-entity identifier. Check the source entity and parent boundary rather than relying on a similar name.

ISIN

A securities identifier for a particular instrument; not automatically an issuer identity.

UPI

A derivative product identifier; it is not a legal-entity identifier.

Prospective forecast

A forecast actually issued before its outcome, under a frozen target/input definition.

Current-vintage backtest

Historical research reconstructed using a stated data vintage; not automatically an issued live forecast.

Source record

A published/retained row or document; multiple records can describe the same event.

Learning progress

Your local lesson/check history. It is not a credential, access grant or proof of source/model accuracy.

Unknown

An unestablished value or condition, distinct from a reported zero or known false.

National rating scale

An agency's scope-specific ranking system; it is not automatically interchangeable with a global scale.

Tour controls and privacy

Next, Back and the chapter picker navigate the tour. Close and Escape work at every step. Simple Mode ends with a choice to stop or continue to Advanced. Help this tab and Explain this data point replay a focused section. Help remains readable without a paid model connection.

The new tour starts on the first verified Pro Simple Mode entry in a browser session. Closing it suppresses repeated automatic opening for that account during this session; Help always replays it. The session key uses a hash of the verified owner, contains only a seen marker, and falls back to visit memory if storage is unavailable. Account or replay changes cancel active guidance. The tour never saves settings, enables alerts, submits paid AI requests or changes data.

Historical dated downloads remain historical documents. Active Help, guide and tour buttons now use this unified tour and this manual. Source-method pages remain available because their evidence qualifications are part of reading data correctly.

Public finance and official government feeds

Central banks, treasuries & budgets

Open Monetary Predictions → Central banks, treasuries & budgets. Start with Coverage, choose a jurisdiction and measure, then Inspect a series for its original decimal values and source history. Budget/account links lead to publisher documents; they are not parsed enacted-budget totals.

Central-bank total assets and statement components; central-government financial-only stocks; Canadian public accounts; fiscal outturns and WDI fiscal context; budget/account document links. These are different accounting measures, not universal audited statements or enacted budgets. Keep source units, multipliers, periods, raw decimal values, statuses and retained-source clocks. Do not add parent/subtotal rows, Eurosystem and national central banks. No changes to hyperinflation model outputs.

Read-only MCP dataset: `/agent/api/public-finance`. Start with overview; retain native snapshot and nextOffset when paging records, alongside the separate MCP field-page snapshot.

Official government updates

Open Global Politics → Official government updates. Review Coverage, then Official updates. Select a publication window, inspect the authority and date basis, and follow the original source. Use Sources for access/coverage gaps. Officeholder references and social links have their own sections.

Reviewed government-office publications and secondary-directory-discovered government-domain feeds retain separate authority labels. Officeholder/institution associations are secondary references, not an independently verified current roster. Official publication is not independent verification of a claim. X account references are links only; posts are not ingested. Missing or undated updates do not mean zero activity.

Read-only MCP dataset: `/agent/api/government-official-feeds`. Start with overview; retain native snapshot and nextOffset when paging records, alongside the separate MCP field-page snapshot.

Source clocks and coverage

Sources shows fetched/cache status separately from parsed records. Reference-directory coverage is not numeric or news coverage. A new collection timestamp does not re-date a fiscal period or publication. Known access denials are retained for review; missing data is not zero. Publisher attribution and licences apply.

[Complete dataset methods and examples](#)

Deficits, proposed budgets and shortage mentions

Fiscal balances and IMF evidence

Expanded public-finance evidence includes IMF WEO and Fiscal Monitor overall and primary balances, revenue, expenditure, gross/net debt and cyclically adjusted balances; historical IMF government finance; additional World Bank fiscal indicators; and Eurostat general-government financial stocks and deficit/surplus. Keep government sector, numerator, GDP versus potential-GDP denominator, signs, periods and source edition separate. IMF series include estimates/projections with no per-observation actual/estimate boundary; they are not government budget proposals. Deficits & surpluses defaults to a period no later than the current year. Use the annual reference-year filter and Inspect for full history.

Budget proposals and documents

Proposed / draft budgets and Enacted budget documents are source-title classifications. A published draft can later be enacted; its label is not a current legislative-status determination. Document year comes from title/URL, not collection time. Use the year filter for 2026 or 2027 materials. Source links include published US President budget proposals, Japan draft highlights and Philippines proposed-budget materials; coverage varies. Numeric totals in linked budget PDFs are not parsed.

Geopolitical shortage mentions

Geopolitical Outlook → Country table now has a Shortage mentions ·30days column. Counts are canonical article URLs with matching source text for fuel, food, electricity, water, medicine and industrial inputs. Click counts or Browse all shortage mentions for source excerpts, types and 7/30/90day/all-retained windows. Risk/forecast and denial/resolution wording remain labelled. Country-name/source-dossier associations are context, not verified shortage locations. Missing/undated coverage never becomes a no-shortage claim. Search-term/language and corpus bounds are exposed; this is not a risk-score input.

MCP: `/agent/api/public-finance?view=deficits&country=US&year=2026` and `/agent/api/shortage-mentions?view=records&category=fuel&days=30`. Native source snapshots and record pagination differ from MCP field-page snapshots.

Ask AI: applied screen context and targeted retrieval

Ask AI now uses the applied Monetary public-finance selection (country, year, view, series, native page/snapshot), the Geopolitical Outlook country/horizon/filters, and the selected Official government updates dataset. Pending/unavailable selections are clearly identified; unapplied input edits are not treated as selected evidence.

Each Preview/Run recaptures the current public selection. Contextual Analyst now plans typed source queries before answering; explicit manual source selections override automatic planning. Source periods, native units, fiscal status and signed balances stay attached to financial evidence. Rounded currency display conversions are marked as deterministic arithmetic. Preview uses no model calls. Run retains the existing at-most-three-model-call/6000-output-token budget and support review. The running status shows elapsed time, not fabricated stage progress. Other workspaces can still provide only limited context; missing data and model/provider failures remain possible.

Current features — reviewed 21 October 2026

This edition was checked against the deployed application, current workspace/tour registry, recent accepted release notes and public source catalogue. These are product capabilities and dated coverage, not new source observations.

Pro Brief windows

Every original section is now configurable. Click Choose feed, search, review a preview and Use this feed. Add, arrange, remove, undo, restore and export/import are available.

War Room Simple view

Check a place, find a dam, explore past events/terrain, or use optional guided radio and water examples. GDAT, GeoDAR and the reduced GDW viewer stay separately labelled. No safety or engineered-flood claims.

Global Risk Overview

Country/regional evidence-pressure maps and the matrix share a home with the Systemic workbench. The twenty-domain evidence map and separately defined Systemic forecasts retain their own methods and validation limits.

Geopolitical Futures

In Investigate / Advanced, Geopolitical Futures is the first main tab, immediately left of Natural Hazards. It is also available from the first Mission control and Research Tools shortcuts. User-hidden layout preferences and access gates still apply. Source-conditioned and exploratory estimates retain model/target/horizon and track-record qualifications.

Government finance and official updates

Monetary Predictions includes central-bank/treasury references, deficits/surpluses, annual reference years and proposed/enacted source documents. IMF estimates/projections, signed balances, sectors, units and source editions remain distinct. Global Politics includes official-government feeds with original authority and date basis.

Shortage mentions

Geopolitical Outlook country-table counts open cited fuel, food, electricity, water, medicine and industrial-input mentions. Reporting context, forecasts and denials are distinguished; the counts are not confirmed shortages or risk inputs.

Credit, demographics and global maps

Ratings/CDS references, source-qualified country demographics, worldwide insurance evidence, Aviation/Mobility and map-interface improvements remain documented in their detailed workspace chapters. Source coverage and historical dates still apply.

Assistant and the unified tour

The current Assistant uses applied public-finance country/year/view and geopolitical country/horizon selections, with specific official-government sources where supported. Default Analyst performs bounded typed retrieval; manual sources override it. Preview has no model calls; Run uses the account's configured model access. Other workspaces may provide only limited context. The tour covers all 78 registered workspaces and 26 shared tools.

Data access and privacy

The current reviewed MCP catalogue has 209 public dataset routes. Pro Brief offers 208 bounded dataset feeds plus current normalized data points; the bulk infrastructure-export operation is not a window feed.

Private/customer/provider/operational/binary controls remain excluded. A catalogue entry does not guarantee source availability.

News keyword filters

The original Pro Brief News window and Daily Brief have a Keyword / phrase box. Enter or Filter news applies literal, case-insensitive terms, quoted phrases and -term exclusions alongside the existing news filters. Clear removes the keyword. No query runs while typing; no-match stays empty. The two brief views keep independent browser-local news preferences.

Build a brief by adding and moving cards

Open **Pro Brief** in Monitor or Investigate. Your brief is a board you can arrange.

Add real data in three steps

1. Click **+ Add data**.
2. Search a name or topic. Try **Apple Inc CDS**, **Apple Inc ratings**, **Blackstone Private Credit Fund**, **US deficits 2026**, or **inflation**.
3. Check the returned entity, value, source and date, then click **Add to brief**. On a wide desktop, you can also drag a ready result's handle onto the board.

Search covers the registered public data-point and dataset catalogues. Recognized rating, CDS, reporting and public-finance searches query those actual sources. Other matching data points and datasets offer **Preview**. Unavailable or empty results are shown explicitly. Search does not claim to search every field in every global database. Use a full issuer name when a short name is ambiguous: Apple Bank and Apple Inc. are different entities.

The desktop data drawer stays alongside the board so you can add several cards. On a smaller screen, Add opens a sheet and returns to the board after a successful addition. **Edit** changes an existing card. Common source filters are readable inputs; raw parameters, data sections and field pointers are inside **Advanced options**. Changed filters require a new preview before they can be added.

Arrange it like a page

- Drag the **≡ handle** in a card heading to its new position. The drop marker shows where it will go. Mouse, touch and pen are supported.
- Drag the **↘ corner** to resize. Width snaps to small, half or full width on wider screens; height stays within 220–1200 pixels. Narrow screens reflow to one column.
- Keyboard: focus the move handle and use arrow keys to move a card earlier/later. The resize handle uses left/right for width and up/down for height. **Escape** cancels a gesture. Card options also offer move, width and automatic-height actions.
- Use **Undo** after an edit, move, resize or removal. **Board options** provides import/export, reload, a blank board and the starter board.

Source links, form controls and selectable text keep their normal behavior. Moving or resizing a card changes its layout rather than refreshing its source. An active gesture defers the original brief's background repaint. Card data retains its original observation/publication dates and source qualifications.

Read credit data correctly

Rating cards show the exact issuer or instrument reference, agency, rating type, currency basis and original rating-action date. An old action date is not replaced with today's retrieval time. A public registry reference does not independently certify a current rating, and an issuer grade is not automatically a bond grade.

CDS cards distinguish a reported trade/disclosure spread from a market quotation. Contract coupon and upfront payments remain separate fields. Reference labels are not automatic legal-entity matches, and reporting streams can overlap. Missing ISINs, prices and dates remain missing. Fund issuer ratings are not fund performance ratings or a credit rating for every underlying holding.

Financial cards prefer the explicitly selected source year when supplied and keep original decimal values, units, multipliers, signs and estimate/projection labels. Data-point cards retain the source's primary metric definition.

Source details & coverage provides the query, source clocks, definitions and native pagination.

Saving, account sync and older layouts

Up to 24 cards are saved under the verified account in this browser. Version 1 layouts open with their order, titles, data bindings and widths preserved; the first explicit edit saves version 2 dimensions under the same owner-scoped storage key. Older clients reject the new format instead of silently removing dimensions. Unknown or malformed formats remain stored until you explicitly replace them.

Research tools → **Device sync** → **Layout** can explicitly preview and transfer the board with the other display preferences. This does not automatically overwrite another device. If another browser tab changes the saved board, use **Reload saved board** before editing. Storage failure is labelled visit-only; export the layout if you need to retain that visit's changes.

Account changes, unverified access and replay clear the current private board view and cancel pending searches, previews and gestures. The builder uses reviewed public readers and existing access controls. It does not create alerts, execute trades, change source data or run a paid AI model.

Reviewed dataset-feed directory

209 reviewed public dataset routes at this edition; 208 support bounded Pro Brief selection. Data availability, required filters and native row limits vary. The in-app list is supplied by the current reviewed route registry.

Feed	Category	Selection
Shortage mentions /agent/api/shortage-mentions	geopolitics	Available in the picker
Public finance /agent/api/public-finance	markets-finance	Available in the picker
Government official feeds /agent/api/government-official-feeds	geopolitics	Available in the picker
Spatial research /agent/api/spatial-research	infrastructure	Available in the picker
Geopolitical futures /agent/api/geopolitical-futures	geopolitics	Available in the picker
Credit evidence /agent/api/credit-evidence	markets-finance	Available in the picker
War room resilience /agent/api/war-room-resilience	watchtower-intelligence	Available in the picker
Global risk overview /agent/api/global-risk-overview	watchtower-intelligence	Available in the picker
Country demographics /agent/api/country-demographics	society-mobility	Available in the picker
Political news /agent/api/political-news	geopolitics	Available in the picker
Legislation /agent/api/legislation	geopolitics	Available in the picker
Bank cds reference /agent/api/bank-cds-reference	markets-finance	Available in the picker
Drone incidents /agent/api/drone-incidents	conflict-security	Available in the picker
Commodity atlas v4 evidence /agent/api/commodity-atlas-v4-evidence	infrastructure	Available in the picker

Feed	Category	Selection
Public reference evidence /agent/api/public-reference-evidence	infrastructure	Available in the picker
Welcomeness evidence /agent/api/welcomeness-evidence	geopolitics	Available in the picker
Commodity gas facilities /agent/api/commodity-gas-facilities	infrastructure	Available in the picker
Natural hazards evidence /agent/api/natural-hazards-evidence	weather-hazards	Available in the picker
Market reference /agent/api/market-reference	markets-finance	Available in the picker
Linked events /agent/api/linked-events	watchtower-intelligence	Available in the picker
Cameras world /agent/api/cameras/world	infrastructure	Available in the picker
Financial stress evidence /agent/api/financial-stress-evidence	markets-finance	Available in the picker
Mobility public evidence /agent/api/mobility-public-evidence	society-mobility	Available in the picker
Infrastructure public evidence /agent/api/infrastructure-public-evidence	infrastructure	Available in the picker
Camera catalog evidence /agent/api/camera-catalog-evidence	infrastructure	Available in the picker
Systemic risk /agent/api/systemic-risk	watchtower-intelligence	Available in the picker
Aviation tracker /agent/api/aviation-tracker	society-mobility	Available in the picker
Forecast lab /agent/api/forecast-lab	watchtower-intelligence	Available in the picker
Economic calendar /agent/api/economic-calendar	markets-finance	Available in the picker

Feed	Category	Selection
Media intel /agent/api/media-intel	watchtower-intelligence	Available in the picker
Watchtower event history /agent/api/watchtower-event-history	watchtower-intelligence	Available in the picker
Global market lookup /agent/api/global-market-lookup	markets-finance	Available in the picker
Market price history /agent/api/market-price-history	markets-finance	Available in the picker
Global index markets /agent/api/global-index-markets	markets-finance	Available in the picker
Sanctions world evidence /agent/api/sanctions-world-evidence	geopolitics	Available in the picker
Digital money world /agent/api/digital-money-world	markets-finance	Available in the picker
Insurance world evidence /agent/api/insurance-world-evidence	markets-finance	Available in the picker
Wealth world evidence /agent/api/wealth-world-evidence	society-mobility	Available in the picker
Global finance counters /agent/api/global-finance-counters	markets-finance	Available in the picker
Debt world evidence /agent/api/debt-world-evidence	markets-finance	Available in the picker
Cyber world evidence /agent/api/cyber-world-evidence	watchtower-intelligence	Available in the picker
Crypto world evidence /agent/api/crypto-world-evidence	markets-finance	Available in the picker
Crime world evidence /agent/api/crime-world-evidence	conflict-security	Available in the picker

Feed	Category	Selection
Outage world evidence /agent/api/outage-world-evidence	infrastructure	Available in the picker
Satellites global /agent/api/satellites/global	weather-hazards	Available in the picker
Country encyclopedia /agent/api/country-encyclopedia	watchtower-intelligence	Available in the picker
Freedom prosperity /agent/api/freedom-prosperity	watchtower-intelligence	Available in the picker
Company research facts /agent/api/company-research-facts	markets-finance	Available in the picker
Bankrun official evidence /agent/api/bankrun-official-evidence	markets-finance	Available in the picker
Natural disaster forecast /agent/api/natural-disaster-forecast	watchtower-intelligence	Available in the picker
Metric semantics /agent/api/metric-semantics	watchtower-intelligence	Available in the picker
Threat outcome tree /agent/api/threat-outcome-tree	watchtower-intelligence	Available in the picker
Forecast calibration /agent/api/forecast-calibration	watchtower-intelligence	Available in the picker
Probability change alerts /agent/api/probability-change-alerts	watchtower-intelligence	Available in the picker
Maritime hazard forecast /agent/api/maritime-hazard-forecast	infrastructure	Available in the picker
Infrastructure manifest /agent/api/infrastructure-manifest	infrastructure	Available in the picker
Infrastructure export /agent/api/infrastructure-export	infrastructure	Use the related infrastructure evidence feed; bulk export is not a window feed.

Feed	Category	Selection
Bankrun history references /agent/api/bankrun-history-references	markets-finance	Available in the picker
Country trade annual /agent/api/country-trade-annual	markets-finance	Available in the picker
Inflation prices /agent/api/inflation-prices	markets-finance	Available in the picker
Country source pack /agent/api/country-source-pack	watchtower-intelligence	Available in the picker
Sec company history /agent/api/sec-company-history	markets-finance	Available in the picker
Company miner dossier /agent/api/company-miner-dossier	markets-finance	Available in the picker
Commodity atlas reference /agent/api/commodity-atlas-reference	infrastructure	Available in the picker
Osint command center /agent/api/osint-command-center	watchtower-intelligence	Available in the picker
World nervous system /agent/api/world-nervous-system	watchtower-intelligence	Available in the picker
Intel matrix normalized /agent/api/intel-matrix-normalized	watchtower-intelligence	Available in the picker
Ratios /agent/api/gold-silver-ratio	markets-finance	Available in the picker
Ratios /agent/api/ratios	watchtower-intelligence	Available in the picker
News /agent/api/news	watchtower-intelligence	Available in the picker
Crypto markets /agent/api/crypto-markets	markets-finance	Available in the picker
Earthquakes /agent/api/earthquakes	weather-hazards	Available in the picker
Volcano events /agent/api/volcano-events	weather-hazards	Available in the picker

Feed	Category	Selection
Space weather donki /agent/api/space-weather-donki	weather-hazards	Available in the picker
Space weather command center /agent/api/space-weather-command-center	weather-hazards	Available in the picker
Space weather world /agent/api/space-weather-world	weather-hazards	Available in the picker
Asteroid threats /agent/api/asteroid-threats	weather-hazards	Available in the picker
Polymarket top bets /agent/api/polymarket-top-bets	markets-finance	Available in the picker
Prediction risk /agent/api/prediction-risk	markets-finance	Available in the picker
Monetary predictions /agent/api/monetary-predictions	markets-finance	Available in the picker
Monetary gold /agent/api/monetary-gold	markets-finance	Available in the picker
Commodity wars /agent/api/commodity-wars	markets-finance	Available in the picker
Global politics /agent/api/global-politics	geopolitics	Available in the picker
War room evidence /agent/api/war-room-evidence	watchtower-intelligence	Available in the picker
Intel matrix /agent/api/intel-matrix	watchtower-intelligence	Available in the picker
Flights /agent/api/flights	watchtower-intelligence	Available in the picker
Air ews /agent/api/air-ews	watchtower-intelligence	Available in the picker
Swpc feed /agent/api/swpc-feed	weather-hazards	Available in the picker
Rainviewer maps /agent/api/rainviewer-maps	weather-hazards	Available in the picker
Debt to penny /agent/api/debt-to-penny	markets-finance	Available in the picker
Watchtower data points /agent/api/watchtower-data-	watchtower-intelligence	Available in the picker

Feed	Category	Selection
points		
Watchtower data proof /agent/api/watchtower-data-proof	watchtower-intelligence	Available in the picker
Next data source packs /agent/api/next-data-source-packs	watchtower-intelligence	Available in the picker
Alternative economics catalog /agent/api/alternative-economics-catalog	watchtower-intelligence	Available in the picker
Alt dollar stress /agent/api/alt-dollar-stress	watchtower-intelligence	Available in the picker
Hard asset stress /agent/api/hard-asset-stress	watchtower-intelligence	Available in the picker
Real economy pulse /agent/api/real-economy-pulse	watchtower-intelligence	Available in the picker
Hidden credit stress /agent/api/hidden-credit-stress	markets-finance	Available in the picker
Cat insurance stress /agent/api/cat-insurance-stress	markets-finance	Available in the picker
Alternative economics dashboard /agent/api/alternative-economics-dashboard	watchtower-intelligence	Available in the picker
Watchtower domain signals /agent/api/watchtower-domain-signals	watchtower-intelligence	Available in the picker
Watchtower osint observations /agent/api/watchtower-osint-observations	watchtower-intelligence	Available in the picker
Watchtower events /agent/api/watchtower-events	watchtower-intelligence	Available in the picker
Watchtower sources /agent/api/watchtower-sources	watchtower-intelligence	Available in the picker
Watchtower entities /agent/api/watchtower-entities	watchtower-intelligence	Available in the picker
Watchtower changes /agent/api/watchtower-changes	watchtower-intelligence	Available in the picker

Feed	Category	Selection
Cross domain alerts /agent/api/cross-domain-alerts	watchtower-intelligence	Available in the picker
Insurance stress /agent/api/insurance-stress	markets-finance	Available in the picker
Crypto token intel /agent/api/crypto-token-intel	markets-finance	Available in the picker
Osint entity explorer /agent/api/osint-entity-explorer	watchtower-intelligence	Available in the picker
Osint sanctions ownership /agent/api/osint-sanctions-ownership	geopolitics	Available in the picker
Osint procurement intel /agent/api/osint-procurement-intel	watchtower-intelligence	Available in the picker
Osint legal enforcement /agent/api/osint-legal-enforcement	watchtower-intelligence	Available in the picker
Osint cyber exposure /agent/api/osint-cyber-exposure	watchtower-intelligence	Available in the picker
Osint narrative tracker /agent/api/osint-narrative-tracker	watchtower-intelligence	Available in the picker
Liveuamap regions /agent/api/liveuamap-regions	geopolitics	Available in the picker
External intel /agent/api/external-intel	geopolitics	Available in the picker
Network plumbing /agent/api/network-plumbing	infrastructure	Available in the picker
Marine intelligence command /agent/api/marine-intelligence-command	watchtower-intelligence	Available in the picker
Incident graph command /agent/api/incident-graph-command	watchtower-intelligence	Available in the picker
Maritime anomalies /agent/api/maritime-anomalies	infrastructure	Available in the picker

Feed	Category	Selection
Port freight stress /agent/api/port-freight-stress	infrastructure	Available in the picker
Gnss interference /agent/api/gnss-interference	infrastructure	Available in the picker
Power grid stress /agent/api/power-grid-stress	infrastructure	Available in the picker
Watchtower expansion data /agent/api/watchtower-expansion-data	watchtower-intelligence	Available in the picker
Infrastructure assets /agent/api/infrastructure-assets	infrastructure	Available in the picker
Commodity supply chain /agent/api/commodity-supply-chain	watchtower-intelligence	Available in the picker
Conflict events /agent/api/conflict-events	conflict-security	Available in the picker
Logistics stress /agent/api/logistics-stress	infrastructure	Available in the picker
Cyber infra risk /agent/api/cyber-infra-risk	infrastructure	Available in the picker
Financial stress expanded /agent/api/financial-stress-expanded	watchtower-intelligence	Available in the picker
Biosecurity risk /agent/api/biosecurity-risk	health-biosecurity	Available in the picker
Commodity atlas catalog /agent/api/commodity-atlas-catalog	infrastructure	Available in the picker
Osm infra /agent/api/osm-infra	infrastructure	Available in the picker
Commodity atlas /agent/api/commodity-atlas	infrastructure	Available in the picker
Commodity atlas osint /agent/api/commodity-atlas-osint	infrastructure	Available in the picker
Infrastructure network catalog /agent/api/infrastructure-network-catalog	infrastructure	Available in the picker

Feed	Category	Selection
Infrastructure network /agent/api/infrastructure-network	infrastructure	Available in the picker
Infrastructure network feature /agent/api/infrastructure-network-feature	infrastructure	Available in the picker
Mobility infrastructure /agent/api/mobility-infrastructure	infrastructure	Available in the picker
Infrastructure search /agent/api/infrastructure-search	infrastructure	Available in the picker
Power plants /agent/api/power-plants	infrastructure	Available in the picker
Grid us power /agent/api/grid-us-power	infrastructure	Available in the picker
Social feed /agent/api/social/feed	society-mobility	Available in the picker
Firms hotspots /agent/api/firms/hotspots	weather-hazards	Available in the picker
Military /agent/api/military	conflict-security	Available in the picker
Military map /agent/api/military-map	conflict-security	Available in the picker
Weather warnings /agent/api/weather-warnings	weather-hazards	Available in the picker
Weather command center /agent/api/weather-command-center	weather-hazards	Available in the picker
Natural hazards command /agent/api/natural-hazards-command	weather-hazards	Available in the picker
Outages /agent/api/outages	infrastructure	Available in the picker
Health outbreaks /agent/api/health-outbreaks	health-biosecurity	Available in the picker
Outbreak momentum /agent/api/outbreak-momentum	health-biosecurity	Available in the picker

Feed	Category	Selection
Health capacity /agent/api/health-capacity	health-biosecurity	Available in the picker
Health command /agent/api/health-command	health-biosecurity	Available in the picker
Health world /agent/api/health-world	health-biosecurity	Available in the picker
Geopolitical outlook /agent/api/geopolitical-outlook	geopolitics	Available in the picker
Outcome studio /agent/api/outcome-studio	watchtower-intelligence	Available in the picker
Crime command /agent/api/crime-command	conflict-security	Available in the picker
Violence events /agent/api/violence-events	conflict-security	Available in the picker
Crime live events /agent/api/crime-live-events	conflict-security	Available in the picker
Terror events /agent/api/terror-events	conflict-security	Available in the picker
Organized crime /agent/api/organized-crime	conflict-security	Available in the picker
Country crime monitor /agent/api/country-crime-monitor	conflict-security	Available in the picker
Conflict network /agent/api/conflict-network	conflict-security	Available in the picker
Homicide rates /agent/api/homicide-rates	conflict-security	Available in the picker
Satellites gp /agent/api/satellites/gp	weather-hazards	Available in the picker
Satellites reentry /agent/api/satellites/reentry	weather-hazards	Available in the picker
Earnings calendar /agent/api/earnings-calendar	markets-finance	Available in the picker
Bonds /agent/api/bonds	markets-finance	Available in the picker
Global bond intel /agent/api/global-bond-intel	markets-finance	Available in the picker

Feed	Category	Selection
Wealth affordability intel /agent/api/wealth-affordability-intel	society-mobility	Available in the picker
Eurodollar series history /agent/api/eurodollar-series-history	watchtower-intelligence	Available in the picker
Country credit ratings /agent/api/country-credit-ratings	markets-finance	Available in the picker
Unicorn tracker /agent/api/unicorn-tracker	watchtower-intelligence	Available in the picker
Market valuation context /agent/api/market-valuation-context	markets-finance	Available in the picker
Corporate credit dossier /agent/api/corporate-credit-dossier	markets-finance	Available in the picker
Sec current filings /agent/api/sec-current-filings	markets-finance	Available in the picker
Wealth trackers /agent/api/wealth-trackers	society-mobility	Available in the picker
Calendar /agent/api/calendar	society-mobility	Available in the picker
Country calendar signals /agent/api/country-calendar-signals	society-mobility	Available in the picker
Bankrun tracker /agent/api/bankrun-tracker	markets-finance	Available in the picker
Funding liquidity /agent/api/funding-liquidity	markets-finance	Available in the picker
Crash warning radar /agent/api/crash-warning-radar	watchtower-intelligence	Available in the picker
Finance history /agent/api/finance-history	markets-finance	Available in the picker
Macro plumbing /agent/api/macro-plumbing	watchtower-intelligence	Available in the picker
Deposits liquidity /agent/api/deposits-liquidity	markets-finance	Available in the picker

Feed	Category	Selection
Payments rail health /agent/api/payments-rail-health	health-biosecurity	Available in the picker
Sovereign consumer stress /agent/api/sovereign-consumer-stress	markets-finance	Available in the picker
Sovereign reserve stress /agent/api/sovereign-reserve-stress	markets-finance	Available in the picker
Credit derivatives risk /agent/api/credit-derivatives-risk	markets-finance	Available in the picker
Country facts /agent/api/country-facts	watchtower-intelligence	Available in the picker
Country dossier /agent/api/country-dossier	watchtower-intelligence	Available in the picker
Country commodity production /agent/api/country-commodity-production	watchtower-intelligence	Available in the picker
Banking systemic risk /agent/api/banking-systemic-risk	markets-finance	Available in the picker
Fund flow risk /agent/api/fund-flow-risk	markets-finance	Available in the picker
Hedge crowding risk /agent/api/hedge-crowding-risk	markets-finance	Available in the picker
Market overview live /agent/api/market-overview-live	markets-finance	Available in the picker
Global fuel prices /agent/api/global-fuel-prices	watchtower-intelligence	Available in the picker
Global stocks /agent/api/global-stocks	markets-finance	Available in the picker
Quote /agent/api/quote	watchtower-intelligence	Available in the picker
Quotes batch /agent/api/quotes-batch	watchtower-intelligence	Available in the picker
Search /agent/api/search	watchtower-intelligence	Available in the picker

Feed	Category	Selection
Bullion premiums /agent/api/bullion-premiums	markets-finance	Available in the picker
Real estate intel /agent/api/real-estate-intel	society-mobility	Available in the picker
Recession radar /agent/api/recession-radar	watchtower-intelligence	Available in the picker
Country risk /agent/api/country-risk	geopolitics	Available in the picker
Commodity stock analysis /agent/api/commodity-stock-analysis	markets-finance	Available in the picker
Mining juniors analysis /agent/api/mining-juniors-analysis	watchtower-intelligence	Available in the picker

Connected research workflows

Open **Research tools** from My Watchtower or a workspace toolbar. The seven views connect existing monitoring, cases and public evidence. Normal account access and source entitlements apply. Switching accounts or entering replay clears the open research context and cancels pending requests.

Saved searches

1. In Pro Brief or Daily Brief, apply your keyword, topic, source-type and editorial choices. Click **Save this search as a watch**.
2. Review the exact saved filters, publication window and inherited publisher regions. Give the watch a name.
3. Choose next eligible in-app evaluation or a daily inbox digest. Explicitly enable notifications if wanted, then save. Open **My Watchtower** → **Inbox** for delivery.

Keywords use case-insensitive Unicode-normalized literal matching: all terms must match, quotes retain phrases, and -term or -"phrase" excludes them. The limit is 180 characters and 12 terms. Country/company words are contextual matches, not verified locations or holdings. A newsroom search cannot silently become a general watchlist with different matching rules.

The first healthy server evaluation establishes a baseline without alerting on old headlines. Canonical repeats and mirrored headlines are grouped; substantive revisions remain labelled. Monitoring checks at most 500 retained stories per search. Pro uses the rolling last 48 hours; Daily uses the current UTC day. The briefing story-count preference does not cap the monitoring scan.

Immediate means the next eligible server evaluation, not external push. Daily digests use your existing briefing IANA time zone and local hour, with up to 20 queued records per edition. A 15–1440 minute cooldown, per-watch budget

and shared 10-delivery/day account budget apply. Queues are bounded to 100 matches and the account-private storage budget, and expire after 48 hours; omitted/expired counts are visible. Source delays and polling/load can delay delivery. This feature does not subscribe you to email or SMS.

Investigation dossiers

Dossiers are the existing War Room cases. Open one or create a new case, write a research question, and add assessment, notes and unanswered questions. Pin a reviewed dataset page, forecast scorecard or scenario relationship. In a workspace, **Pin selection** opens the applied public source in the coverage inspector; review it before pinning. To retain an individual article, inspect its `/items/0` or other actual source pointer instead of assuming the first field page contains the article.

Pins preserve the source endpoint, applied parameters, source snapshot, original clocks when supplied, captured fields, analyst context and pin time. Pin time is not publication or event time. Each pin is limited to 48 KiB; choose a narrower pointer or page for larger data. Cases retain at most 200 evidence records and existing account-private storage limits. Evidence can support, contradict, contextualize or leave a question unresolved. Citation numbers are not reassigned after deletion.

Click **Save dossier revision** to retain edits across devices. Concurrent edits return a conflict instead of overwriting the saved case. Export an unsaved draft before reloading if you want to retain it. JSON and dated Markdown exports preserve the evidence and qualifications; they are analyst-authored products, not automatic verification.

After saving, share with a specific eligible account as a viewer or editor for 1, 7, 30 or 90 days. Copy the returned recipient-specific link. A link alone does not grant access to another account. Revoke shares from the same view. Deleting a case revokes its grants; account deletion uses the existing private-state barrier. Older clients that cannot preserve extended provenance cannot silently strip it.

Data, API and MCP coverage

Search **Data coverage** by workspace, dataset or topic. The catalogue is read from the currently reviewed MCP registry; workspace associations come from reviewed Assistant references. Missing workspace mappings and non-catalogued associations are shown explicitly. A reviewed route is not proof that all fields/history are available or current, and a source without a documented workspace mapping is not necessarily unused.

Select **Inspect fields / history**, review supported parameters, and read the live selection. The inspector provides equivalent native API and MCP requests. Returned JSON Pointers preserve original types, including zero, null and stale flags. Use an empty pointer for the root response. Follow **Next field page** or long-field continuation without changing the MCP snapshot. Native `nextOffset`, `next_cursor` and native source snapshot belong inside Parameters and paginate source records; they are independent of MCP field and text pagination. Read original source dates, coverage and units before drawing conclusions. A bounded inspected page is not a complete dataset download.

Account, credential, payment, private portfolio/case/report/settings, administrative, binary stream and mutation surfaces remain intentionally excluded from public MCP.

Applied research context

Apply country, explicit company symbol, topic, reference year and source-native horizon in **Applied context**, or capture a successfully applied workspace selection. The context strip makes the retained research focus visible across workspaces. Pending form edits and unavailable source requests are not accepted as applied data.

Send supported fields to Geopolitical Futures, Geopolitical Outlook, Public finance or Pro Brief news. Unsupported fields are reported instead of silently applied. Futures uses its supported next-year/2030/2040/2050 selector; Outlook uses 24h/7d/30d forecast horizons. Reference years and forecast horizons are different concepts. The company action opens the reviewed company evidence source for the explicit symbol. No name-to-ticker or parent/subsidiary inference is made.

Use context in Assistant opens a question containing this explicit context and the current workspace. Review Preview/source selections before Run. The existing account-bound AI connection is reused; opening the Assistant does not generate a paid answer or upload private dossier contents.

Forecast scorecards

Choose Futures, Forecast Lab funds, Systemic targets, Energy prices or Geopolitical Outlook. Read the exact target, original horizon unit, model version, historical evaluation windows, simple baselines, genuinely issued outcomes and calibration qualifications. Source-wide issuance counts are labelled separately from selected target/model partitions. Missing values remain unavailable, not zero.

Futures predicts source-coded event presence inside borders, not the aggressor or a specific attack. Fund targets retain their exchange-session and price-return definitions. Energy horizons count source observations, not calendar days; errors remain in native units. Authored geopolitical priors are not measured performance baselines. Historical current-vintage reconstructions are not prospective success, and source calibration gates remain authoritative. This view does not fit models, issue forecasts, resolve outcomes or rewrite any ledger.

Cross-device preference sync

In **Device sync**, choose scopes, preview them, then explicitly save them to your account or apply the saved version on another signed-in device. Scopes are Pro/Daily news choices, pinned workspaces/table preference, current device panel/tab layout and configurable Pro Brief window definitions, default display mode and briefing timezone/hour. Layout applies to the device's native layout. Existing watchlists, cases and briefing history use their own cloud stores and are not duplicated here.

The account document has an optimistic revision. If another device changes it, refresh, compare and choose again; no automatic last-writer winner is used. Applying cloud settings is also explicit and affects only selected scopes. Guest settings are not uploaded automatically. Browser storage failure is reported and prior values are restored where storage permits. Credentials, arbitrary local storage, recent browsing history, private cases, holdings and provider settings are excluded.

Scenario-to-exposure analysis

Choose a country, historical trade year, HS product chapter, importer/exporter role, explicit disruption percentage and resource reference year. Optionally select up to four supported company symbols, or copy explicit symbol subjects and a single country from a saved watch. Company-name phrases are not guessed into symbols.

The view presents up to 40 retained country/product relationships with original values, units, source year, relationship class and reported/estimated status. HS chapters describe products, not measured industry revenue exposure. Source models such as reconciled BACI trade remain estimates. The value-scaled hypothetical reference is simply source value × your assumed fraction: it is not a financial loss, observed affected volume, future flow or price forecast. Country-centre links are not physical shipping routes. Different relationship classes are not added.

Resource projections keep their original anchors and assumptions. Company legal headquarters, where documented, are separate from operating assets, suppliers, revenues and disruption exposure. Missing operational/project links remain unmapped. No holdings, parent/subsidiary exposures or undisclosed supplier networks are inferred. Pin relationships and assumptions to a dossier or export the complete bounded view.

Start research: connected steps and verified actions

Start research is the first Research tools view. Choose a country investigation, topic/company watch or forecast review; apply explicit choices and follow the linked native workspaces. Finance reference years and Futures target years are separate. A news topic is not silently used as a fiscal-series filter. Country news matching uses an explicitly labelled name phrase, not verified geography. Handoffs verify the returned applied fields and leave the destination visible; failed steps reopen with an error. Inspect/pin and watch steps use existing source/dossier/watch controls and never save or enable automatically. Session progress means a step was verified or its editor prepared, not that a claim became true.

Shared context and map-camera controls

Research tools and Ask AI share an applied-context registry for supported native selections: Futures, Outlook/shortage evidence, Monetary/public finance, Global Politics/official/political updates, country profile overview, Pro Brief news preferences, Global Risk/Systemic and the public ratings/CDS hub. Unsupported local-only views remain explicit rather than guessed; manual source inspection is available. Pro Brief shares its native candidate query, which can span 72h, while the brief separately applies 48h and display-count limits; it is not an exact copy of visible cards. Guided standalone Futures opens baseline assumptions and clears an older comparison partner; finance and forecast years remain separate. Camera focus/world/restore actions are user-triggered on the existing Outlook, Politics and Monetary 2D maps, verified against resulting camera state and fenced against account/replay/newer interaction. Country reference points are not incident locations; these camera actions do not change source filters or scores. Restore is refused after a newer map interaction.

Add data from across Watchtower

Open **Pro Brief** → **Add data**. The library now has four clear choices:

- **All Watchtower:** search retained source records across the app, alongside matching source definitions, registered points and current-source query shortcuts.
- **Datasets:** browse every reviewed dataset by domain or routed workspace. Open **Browse data / fields** to inspect source views, records, values and histories.
- **Data points:** find the registered Watchtower metrics and explore their fields.
- **My data:** search or browse your accessible watches, inbox, briefing history, owned cases, saved portfolio, event workspaces, periodic-report metadata and saved data snapshots. Private content stays out of the global public index and cache.

Search results are paginated. **More matching records** continues the record search; **More sources / points** continues the catalogue. Domains cover markets, politics, conflict, infrastructure, weather, health, mobility and Watchtower intelligence. From a workspace toolbar, **Add data to Pro Brief** opens its applied source when an adapter is available, or the source library filtered to its navigation mapping. Unapplied form edits are not treated as an applied source selection.

Add a whole view, one record or one field

1. Choose **Browse data / fields** on a source.
2. Open an object or collection, or use **Find** to search nested fields and values in the returned response. **Source views, filters and history** exposes the source's own supported parameters without requiring a JSON expression.
3. Use **Preview / add** on the field or record you want. Check the value and its source context, then **Add this field / record**. **Preview / add this view** keeps a whole source selection as a card.

Source-provided record identities are retained through array reordering. If an ID is missing or becomes ambiguous, a card reports that condition instead of switching to another row. Parent units, scale, period, definitions and qualifications travel with selected fields. Zero, false and null remain distinct. A parent currency is not automatically assigned to every numeric field.

Some arrays have no reliable record identity. For those, **Add dated snapshot** saves the exact preview under your account. The source fingerprint is checked before saving. A saved snapshot is labelled with its save/source dates and does not become a live observation. Find or delete it under **My data** → **My saved data snapshots**. Private source permissions are rechecked when reading a snapshot; access loss or removal of its private source can make the card unavailable. Snapshot storage is bounded to 100 items, 64 KiB/item and 5 MiB/account. Account deletion removes these records.

An unavailable field can be added as a clearly labelled availability card. No zero or substitute value is manufactured. Source filters and permissions still apply.

Search references and source histories

Add this search as a card keeps a cross-Watchtower query on your board. An individual indexed hit can also be added as an exact retained reference. Its observation/publication, source-snapshot and index times remain separate. Indexed excerpts are not certified current ratings or live quotations. **Open live source** lets you inspect the current source response and select a field there.

The current routing audit covers 209 reviewed public datasets. The retained index has a 1 million-entry bound; at inspection 178 sources had indexed content and 31 had catalogue-only entries. The library displays current coverage,

limits and gaps. Every source remains browsable independently of index coverage. Native source histories and pages can extend beyond the index: **Next source-data page** uses the source cursor/offset/snapshot, while **More fields / records** pages through the field browser. These two kinds of pagination are independent.

Bulk infrastructure downloads use their bounded data-source representation in the brief. Binary playback/tiles and administrative or credential operations are not converted into data values. Unconnected/licensed sources retain their normal access requirements; this feature does not activate a vendor entitlement or force a source refresh. Search queries do not run paid AI or generate/purchase reports.

Layouts and privacy

Drag, resize, Undo and the simple board editor remain available. Version3 bindings read version1/2 layouts without rewriting stored settings. Explicit edits save the new schema under the same verified-owner key; account Layout sync uses the shared validator. Older clients refuse the unsupported format rather than silently losing record identities. No guest/other-owner settings are imported automatically.

Private source reads use their native permissions and expected-owner checks. The personal tab searches bounded current collections and eligible case/brief content; unavailable collections are disclosed. Credentials, billing controls and server operations are not research datasets. Account changes, replay and revoked access cancel pending results. Layout definitions contain references rather than snapshot payloads or credentials.

Replace one value with Advanced Watchtower data

In **Pro Brief**, click a displayed value or its ↔ **Replace** button. The picker shows **Replace only this value** and names the original value. Choose a data point, record, field, dataset view or saved search, preview it, then select **Replace this value**. Other values in the same card, its position and its size stay the same. Links, source controls, text selection and drag handles keep their existing actions; use the ↔ button beside linked text.

The replacement has its own label, units, source dates and source details, and is marked **Personal replacement**. It changes your brief's presentation, not the underlying model, source observations, alerts or Advanced workspace calculations. Use **Replace again**, **Restore original**, or the board's **Undo**. Cancel/Close keeps the existing value. Use a card's **Edit** control when you want to change the whole card rather than one value.

Find data from Advanced workspaces

Add data → **Advanced workspaces** lists all 78 workspace names with their associated datasets and registered points. Choose **Browse this workspace data**. The source library covers 209 reviewed dataset definitions and the current registered-point catalogue; workspace associations are built from current module references, documented source links and reviewed mappings. Personal collections retain their native permissions.

The normal **All Watchtower**, **Datasets**, **Data points** and **My data** choices remain available. Browse source records and individual fields, source views, filters and native history. In Advanced, registered data-point cards now have **Add to Pro Brief**, which opens that exact point for preview and field selection. Workspace toolbars provide **Add data to Pro Brief** for applied selections or the workspace's mapped source library.

Available source measurements, text, booleans, missing values, records and nested collections can be selected. Source-native or locally derived presentation values must retain their actual definitions; a workspace association

does not turn a client-side calculation into a new source measurement. Binary media, account/ credential operations and unconnected licensed feeds are not ordinary data points.

Stable placement and saved layouts

Value replacements are attached to the original field or record identity, not the next row number. If an original record disappears or its identity is ambiguous, its saved replacement is shown separately in that card and is not reassigned to another row. Anonymous records are tied to their source snapshot. Replacement source bindings retain their own existing stable-ID/fingerprint checks.

Changes survive reload, export/import and explicit account **Layout** sync. The version4layout reads existing version1/2/3 boards under the same account key and does not rewrite them just by opening the app. Older clients reject unsupported formats. Limits are 32 replaced values/card, 64/board and the existing 100KB layout bound. Existing 24 card and size limits remain. Account changes, replay, stale edits and late requests cannot apply a choice to a different value.

Global record search remains a bounded retained index. Source catalogue and native histories are independently browsable. Source dates, units, missing states and licensing requirements remain visible. Dated snapshots remain explicitly dated.

Put a native Advanced item in Pro Brief

You can add the price, country or data item you are already looking at, directly from Advanced. No MCP catalogue browsing or connection setup is needed for this workflow. Sign in with your normal Advanced/Pro access.

Prices and market items

Click an instrument or its price to open its native chart. Choose **Put price in Pro Brief**, check the instrument shown, then **Put in Pro Brief**. The action adds the exact selection and leaves you in Advanced; **View Pro Brief** opens your board. Repeated additions of the same tracking selection do not create duplicate cards.

Native market rows can also be right-clicked, or selected with **Pick item for Pro Brief**. Prices use exact provider symbols and preserve quote currencies/units. Crypto rows retain their native token ID when available. ECB references preserve the chosen currency pair and reference-fixing calculation; they are not silently switched to market quotes. Source-backed sovereign yield rows retain their native record identity. Ambiguous foreign listings are not guessed.

Price tracking refreshes about once a minute while Pro Brief is open and visible; other tracking selections refresh on the normal five-minute cycle. Source caches, delays, market hours and missing timestamps still apply. A retrieval timestamp or company-profile update is not a quote observation time. Continuous futures can roll.

Countries and country statistics

Select a country in the native Country Research or Geopolitical Outlook view, then use **Put [country] in Pro Brief**. The country-watch card retains its exact ISO identity and shows separately labelled risk-model and annual profile measures. Annual indicators can refer to different years; unknown risk is not a safe score.

For one country statistic, right-click its native value/row, or turn on **Pick item for Pro Brief** and click it. The country and exact indicator are retained. **Latest** follows the newest reported year; an explicitly selected reporting year stays fixed. Missing observations remain missing.

Other displayed data

Right-click a visible data cell/card, or use **Pick item for Pro Brief** on its workspace toolbar and click the item. Escape or the same toolbar button cancels selection mode. A supported native source selection becomes a tracking card. Other eligible public-workspace items offer **Save displayed item to Pro Brief**: an explicitly dated copy of the selected display, not a live or independently revalidated measurement. Review the displayed excerpt before saving it.

Displayed references retain bounded text and safe source links in your existing account-private snapshot collection. They do not capture hidden content, input fields or credentials. Private/operational workspaces use their existing dedicated permission-aware data actions rather than generic display capture. Source rights and qualifications still apply. Saved excerpts are limited to 4,000 characters; existing 100 snapshot/64 KiB item/5 MiB account bounds remain. Remove snapshots through **Pro Brief** → **Add data** → **My data** → **My saved data snapshots**.

Saving and access

Adding from Advanced appends to the verified account's saved brief without replacing its current cards. A changed layout, full board, storage failure, account switch, replay or invalid source identity prevents an unintended addition. Existing 24 card limits remain. The version 5 format reads earlier layouts and retains individual-value replacements. Explicit account Layout sync carries the new tracking definitions; the existing preference-size limits still apply.

The manual Add data library and individual-value replacement tools remain available. Tracking follows source identities; dated displayed references remain frozen.

Native tracking, alerts and source reliability

Advanced workspaces now use a consistent action row: **Explore**, **Put in Pro Brief**, **Set alert**, **Source details**, and **More**. Explore opens the native full-screen view. More retains the existing AI, help, copy-link, pin and specialist actions. Selecting an item clearly distinguishes **Track source updates** from **Save dated reference**.

Select the actual item

Use a price/chart or country action, right-click a data item, or choose **Put in Pro Brief** on the workspace toolbar and click the item. Native companies use an exact SEC identity where connected; prices/funds keep provider listing identity. News records are captured from the exact returned source record with its original publication/provenance. Linked event selections follow the exact public record; private event notes are excluded. Public map popup contents and other eligible visible items can be saved as clearly dated display references.

Private case/report/portfolio controls, credentials, raw canvas pixels and third-party iframe contents keep their dedicated native handling. A dated display copy is not a newly verified event, live price or issued forecast. Missing source records remain unavailable instead of switching to another row.

Slow and unavailable sources

Market lookup now uses bounded discovery, quote and reference-enrichment stages. Partial results say which parts are incomplete. Missing quotes or country details are not invented. **Retry lookup** keeps the query; a same-query retry retains earlier results with their original dates. **Cancel lookup** cancels the UI request without replacing the selected instrument. A different query does not relabel old results as new matches. Unknown quote observation times remain unknown.

An earlier validated lookup can be retained during a source failure for a bounded period and is explicitly labelled. These controls improve failure handling; they do not make provider data real-time or guarantee upstream availability.

Alerts from tracked items

Choose **Set alert** on an item or in a Pro Brief card's menu. You can create:

- A threshold-crossing watch for a numeric source field with declared units.
- A material-change watch, in absolute units or percent from the initial/last delivered qualified baseline.
- A source-staleness watch, confirming a source marked stale or unavailable for the chosen interval.
- A saved news search for a subject, company or phrase.

Preview the source, choose the rule, cooldown and daily budget, then explicitly save/enable it. Watches live in **My Watchtower** → **Watchlists**; notifications use the existing **Inbox**. No email, SMS or third-party push is automatically created. The first healthy numeric value establishes a baseline; it is not an initial alert. A gap in data re-establishes that baseline on recovery. A unit/definition change requires review. Null and unavailable values never become zero, and percent change from a zero baseline is undefined.

Tracked-data checks run approximately every five minutes within bounded source capacity. Deferred checks are not classified as source outages. Cooldown, deduplication, per-watch limits and the existing shared10deliveries/day account budget apply. Source observation time is preserved when available; otherwise alerts explicitly compare checked source snapshots. Annual series can move to a new reporting year. These are research notifications, not trading instructions. Tracked-data watches deliver inbox alerts; daily narrative briefings use the existing news/evidence watches.

Saved data and recovery

Export your browser layout, or explicitly sync the Layout scope, to retain browser-only choices. Server saved-research backups cover saved snapshots and the daily workspace (including synced preferences); they cannot capture a browser layout that was never exported or synced.

The operator recovery procedure uses authenticated encryption, current owner and account-deletion checks, an empty restore target and an application maintenance window. Restored watches and automatic briefings start disabled for review. Pilot consent and measurements are not restored. Credentials, sessions, billing, financial holdings, case/share permissions, source collectors and forecast ledgers are outside that generic research restore. Use their dedicated recovery procedures.

Five-person usability pilot

The self-guided pilot uses the existing invitation and explicit-consent workflow under **My Watchtower** → **Research pilot**. An administrator can create individual invitations there. The organizer distributes them to five real testers.

Testers report outcomes for tracking a price/country, adding a statistic, explaining a snapshot, finding a source and setting an alert.

Task Start/Submit records elapsed session time and explicitly submitted feedback, not browsing recordings or audited active-task time. Results are self-reports; automated engineering checks remain separate. Until participants submit results, the pilot is ready to run, not completed and not evidence of usability success.

Watchtower five-person workflow pilot

Organizer: arrange five real testers and send each their existing Watchtower pilot invitation. In the signed-in administrator account, open **My Watchtower** → **Research pilot** → **Create an invitation**. Existing access/entitlement rules apply. Invitations are single-use and expire; do not publish invitation tokens publicly.

Tester: open your invitation, sign in and read the optional participation consent. The task panel appears in Research pilot after joining. You can withdraw there to erase pilot counters and submitted feedback. Please use non-confidential examples; no real trading or payment action is needed.

Try these tasks before reading help

1. **Track a price.** Find a listed instrument you recognize in Advanced and put its price in your Pro Brief. Explain which instrument/listing you selected.
2. **Track a country.** Select a nation you follow and add it from the native view.
3. **Add a statistic.** Add one country statistic. Identify its unit and year.
4. **Explain a snapshot.** Compare a tracking card with a dated displayed reference. Which refreshes? What does the date mean?
5. **Find a source.** Find the original source and its observation/publication date. Explain what is unknown or stale, if anything.
6. **Set an alert.** Create a useful threshold/change/staleness/news watch. Find where notifications will appear. You do not need to wait for a real market crossing or deliberately manipulate a source to complete this task.

Use **Start task** and **Submit task result** in the task panel. Mark completed independently, completed with help, blocked or skipped; choose easy/mixed/hard and write the moment you hesitated. Elapsed time includes interruptions, so it is not a precise active-task-speed measurement. Do not guess success when a task was blocked. A saved watch starts with a baseline; no initial notification is expected.

Organizer review

Review coded participant task outcomes in the existing pilot administration view. Record the observed problem, affected task, frequency, severity and proposed fix. Keep raw feedback private; publish only accurate aggregate findings without personal/confidential details. Separate user observations from automated QA.

The target is five participants with submitted task feedback. There are no assumed completion rates or results. After submissions arrive, prioritize repeated blockers, fix them, and ask affected testers to retry the relevant task. A

prepared task panel is not a conducted pilot.

Suggested invitation message

“Please help test Watchtower’s daily research workflow. Try the six short tasks in the pilot guide, record where you get stuck, and submit your results in My Watchtower → Research pilot. Participation and feedback are optional. Use public, non-confidential examples. Your private watch/portfolio content is not part of the pilot report. Here is your individual invitation: [YOUR PRIVATE INVITATION LINK].”

My Watchtower: your daily research routine

Follow what matters, read your briefing and check your private inbox. Your saved setup belongs to your signed-in account.

Open: My Watchtower in Monitor (Simple) or Investigate (Advanced). Updated 24 October 2026.

Find your way around

- **Overview:** your starting point and latest open briefing.
- **Following:** saved topics, places, news searches and value alerts.
- **Inbox:** notifications you enabled.
- **History:** saved briefing editions.
- **More:** What changed, Briefing schedule, Source coverage, Research pilot and Research tools.
- **Help & tips:** opens this task-based help without losing your form.

Start with one thing to follow

1. Open Following and choose Add a watch. A watch is a saved set of interests, not a trade or an order.
2. Name it, then enter a topic or choose a place or subject area. Start broad: Energy is a useful first area; add a country only if you want to narrow it.
3. Choose whether matching updates should appear in your inbox. Alerts are off for a new topic watch until you choose them.
4. Read the review and choose Save watch. Then use Overview to create your first briefing.

How matching works

A record must match every group you use: places AND areas AND subjects. Choices within one group are alternatives. Canada plus Energy means Canadian-context energy records; adding a company narrows it again.

Topics and company names are source-text or entity mentions. A country mention is context, not proof of an event's location, your exposure or a causal link. Leave optional filters empty for broader coverage.

Following also lists saved news searches and value/source alerts. Edit opens the appropriate native editor so their exact filters, fields and units stay attached. Removing a watch leaves saved briefing editions in History.

Alerts: what arrives and when

1. For matching news and evidence, turn on Inbox alerts in the topic-watch wizard.
2. For a price or numeric value, find the instrument or data in Advanced, select it and choose Set alert. Pick a threshold, amount of change or source-staleness rule and save explicitly.
3. Read new notifications in Inbox. Mark read keeps an item; Dismiss removes it from the active list. Neither action stops its watch.

The first healthy check establishes a starting point. A saved alert does not send an immediate historical notification. Source availability, field definitions, cooldowns and delivery limits affect when an alert arrives.

Value/source watches are checked approximately every five minutes subject to source capacity. Standard watches use the existing server evaluation cycle. Missing or stale values are not zero; incompatible definitions pause comparison. There is a shared limit of 10 deliveries per account per day.

Notifications appear inside Watchtower. These controls do not subscribe you to email, SMS or phone push notifications.

Briefing, History and Pro Brief

Overview creates a source-linked briefing from your topic/place watches or saved news searches. You can create up to four manual editions per day. Value-only alerts deliver to Inbox; add a topic watch to create a narrative briefing.

History keeps up to 30 saved editions. An edition is a dated record: creating a new one does not rewrite the old one. Open an edition to read, download PDF/printable HTML or inspect its sources.

Pro Brief is a separate customizable board of cards. My Watchtower is your saved following setup, generated briefings and alert inbox. Adding a Pro Brief card does not automatically create a watch or enable an alert.

Choose your daily briefing time

1. Open More → Briefing schedule.
2. Use your device's time zone or choose a named time zone, then select a local hour.
3. Choose whether to create a daily briefing and select Save schedule.

The server uses the first healthy retained source snapshot after that local hour. It can run while your browser is closed; it is not a guarantee of delivery at an exact minute. The named time zone handles daylight-saving changes.

This schedule creates a saved briefing in My Watchtower, not an email. Your current saved schedule is shown before editing; changes apply only when you save.

Understand the evidence

Open Source details on an item to see a readable summary, why it matched, the original source time and the captured source snapshot. Technical JSON is inside an optional disclosure.

An observation time describes the source observation. A publication time describes publication. A capture or check time describes Watchtower's read. Refreshing does not make old evidence newly observed.

Delayed, unknown and limited coverage are shown explicitly. No matching records does not mean nothing happened. More → Source coverage shows available evidence and gaps. What changed compares retained source content; first appearance is not proof an event just occurred.

If you get stuck

No briefing yet: save a topic/place watch first. If the source snapshot is delayed, keep your setup and try again after a healthy capture. A price-only watch belongs in Inbox.

No alerts yet: check that the watch has alerts on, allow a healthy baseline check, and review its source state, cooldown and daily limit. Lack of an alert is not a safety signal.

Too few matches: clear a country or area filter, or use a broader phrase. Remember that different groups narrow each other.

Unsaved edits: Back keeps your wizard choices. Cancel or leaving a view asks before discarding changes. A save error keeps the draft so you can correct it. If another device changed your setup, refresh and review before saving again.

Need a copy: Following → Import / export copies watch settings. Import adds watches rather than replacing your collection; imported alert settings apply after your explicit confirmation.

Account changes or replay: private content and in-flight edits are cleared. Return to live mode and verify the correct account to continue.

Optional research pilot

More → Research pilot is optional. Join with your individual invitation and consent; joining does not change your subscription. The existing six task reports remain available there.

Administrators can create invitations and export coded feedback. Five real participants and their submitted results are still needed for the human pilot; automated QA is separate.

Limits and account privacy

Up to 20 watches and 30 retained briefing editions. Watch settings, inbox and saved editions are account-private. Optional pilot feedback is separate from ordinary use. Current access, source availability and deletion protections still apply. No paid AI is needed to use this help or create an ordinary watch.

3D Solar System and smooth aurora maps

Open **Space Weather** → **Asteroids** or **Space Weather** → **Aurora**. Use **Full screen** for the largest map; the same controls work inside the full observatory.

Explore the 3D Solar System

- **Solar System** frames the Sun and all eight planets. **Inner planets** brings the near-Earth asteroid sample into view. Outer planets and inner orbits span very different distances; use the presets rather than expecting every body to look equally large in one view.
- Drag to orbit the camera. Shift/right-drag pans; scroll or pinch zooms. Arrow keys rotate, plus/minus zoom, and 0 resets. Touch uses one finger to rotate and two to pan/zoom. Keyboard focus on the canvas shows its focus outline.
- Choose **Focus planet** or click a visible planet to inspect a textured 3D body. Saturn includes a ring model. Close the information card when you want more room.
- Click an asteroid marker or use **Layers** → **Inspect a displayed asteroid** for its native NASA/JPL record. **Focus selected** centers the selected marker when its approximate scene-date position is available.
- **Time & display** chooses a UTC reference date from 2000 through 2049. **Play orbits** advances the illustrative scene by 8 days/second; **Pause orbits** stops it and **Today** returns to the current reference time. Motion is paused by default and stops when the scene is hidden or the account/replay context changes.
- Layers control asteroid paths, approximate markers, labels, planet orbit guides and planet bodies. **Map view** still offers the separate encounter distance/date chart and historical fireball globe. Source tables and exports remain available.

What the 3D positions mean

Planet positions use NASA/JPL SSD's **Table 1 fitted Keplerian elements and rates**, in the mean ecliptic/equinox of J2000, valid 1800–2050. This is a lower-accuracy reference model, not a numerical Horizons ephemeris. The Earth

marker uses the **Earth–Moon barycenter**, not an exact Earth geocenter. Source nominal errors are body-dependent; outer-planet distance errors can be hundreds of thousands of kilometres or more.

The scene's UTC reference is converted with a fixed **+69.184 seconds** modern TT/TDB approximation. It is not an exact historical/future leap-second conversion. This approximation and the fitted orbit model are unsuitable for precise encounter timing, spacecraft navigation or occultation work. For high-precision ephemerides, use [NASA/JPL Horizons](#).

Asteroid paths retain the source semimajor axis, eccentricity, inclination, ascending node and argument of perihelion in heliocentric ecliptic J2000. Approximate scene-date markers advance the source mean anomaly using its published mean motion: $M = M_0 + n \times (\text{scene JD} - \text{source epoch JD})$. This is two-body visualization; planetary perturbations, close-encounter dynamics and covariance are not propagated. Markers more than 365.25 days from the source epoch, or with missing/unsupported parameters, are withheld. Their valid nominal paths and original source details can still be read. The bounded map sample is at most 120 asteroids; the native catalogue remains separately searchable and exportable.

Positions and orbit paths share a **linear astronomical-unit scale**. Body sizes are enlarged for visibility, and surface orientation/lighting/stars are illustrative. The 3D scene is **not an impact corridor or collision forecast**. Use the unchanged NASA/JPL close-approach table for source TDB encounter times, geocentric miss distances and three-sigma bounds. MOID, PHA classification and Sentry probabilities retain their distinct source meanings.

Smooth aurora colors

The NOAA OVATION globe now uses a higher-resolution display raster, missing-aware bilinear interpolation and linear texture filtering. This removes block-like color steps while keeping a fixed 0–100% color scale. Interpolation wraps longitude across the date line and does not fill missing source cells or overshoot neighboring values. Rendering is performed in a bounded worker where supported, with an on-demand fallback.

- **Layers** → **Smooth aurora colors (display only)** switches between the smooth rendering and source-cell display.
- **Overlay opacity** changes visibility over the basemap. **Aurora display threshold** hides lower displayed values; it does not increase the published probabilities.
- **North / South / World**, city references, basemap selection, day/night and fullscreen remain available. Higher-quality globe antialiasing and a smoother day/night texture improve visual edges.
- A click still reports the **exact nearest published grid node**, not a newly observed/interpolated probability. **Export displayed aurora grid** exports the unchanged 360×181 source grid, with 255 reserved for missing values.
- Observation time, forecast-valid time and selected historical frame stay separate. Expired current fields are withheld; historical captured frames remain labelled. Smoothing does not add source resolution, a visibility guarantee or a system-failure probability. Clouds, local light pollution and the observer's horizon are not modeled.
- The smoothing switch applies to OVATION. GloTEC and regional geoelectric layers keep their own units, source-cell/support rules and interpretation.

Graphics, accessibility and recovery

The scene renders on demand, caps drawing-buffer size and releases hidden graphics. If WebGL 3D is unavailable, the original orbit chart and source tables remain available. A lost 3D context offers **Retry 3D**. Source failure clears the affected live evidence; reference planet geometry does not imply that asteroid data were successfully fetched. Account/replay changes clear selections and stop animation. No new paid model or provider collection is triggered by the camera controls.

Sources and visual credits

- [NASA/JPL SSD approximate positions, Table 1](#), based on E. M. Standish and J. G. Williams (1992). Coefficients and fitted validity interval are retained; the interface limits scene dates to 2000–2049.
- [NASA/JPL small-body API documentation](#) for the existing orbital catalogue, CAD, Sentry, Scout and historical fireballs.
- [NOAA SWPC OVATION model](#).
- Planet/Sun/ring textures: **Solar System Scope / INOVE**, [source pack](#), [CC BY 4.0](#). The source adjusts colors and artistically fills some unmapped terrain. These are illustrative textures, not current planetary observations. Images are hosted locally; credit remains visible on the scene and in object details.
- Three.js 0.180.0 and OrbitControls/Line2: MIT license. The pinned bundle and [license](#) are included in the release.

The [Space Weather methods](#) describe the full measurement, forecast, quality, temporal and coverage rules.

Global Markets & Data Search

Open **Advanced / Investigate** → **Global Markets**. The new search combines global instrument discovery with the reviewed Watchtower data catalogue, published data points and retained indexed source records.

Search beyond the movers on screen

1. Enter a company, exact listing symbol, indicator, country or topic.
2. Choose an instrument class or data-domain/source filter if needed.
3. Select **Search globally**. Typing alone does not send a provider search.
4. Switch between **Instruments**, **Data points**, **Source records**, and **Datasets & fields**, or keep **All results** to see each section.

The worldwide-equities and other market snapshot filters now have a **Search globally** action; pressing Enter hands the same query to this search. Their local filter still describes only the rows currently loaded, while the global action queries the broader discovery services.

Use **Expand search** for a full-screen research workspace. Your query, result selection and source inspector remain part of the same search.

Try Apple, RY.TO, 7203.T, 0700.HK, VOD.L, SAP.DE, RELIANCE.NS, SPY, EURUSD=X, BTC-USD, GC=F, inflation, or US deficits 2026. Provider availability and source matches vary; examples are not guaranteed live quotes.

Instruments and listings

Public Yahoo Finance discovery covers supported equities, ETFs, funds, indices, currencies, futures and crypto; TradingView adds recognized equity venue candidates. Queries are sent to those providers without Watchtower cookies or account credentials. The server requests up to 30 candidates from each provider, includes an exact-symbol fallback when applicable, and bounds the retained discovery at 90 candidates.

More instruments pages eight at a time through one five-minute discovery snapshot. Quote reads are separately bounded and source-dated; a page can have missing quotes or partial provider coverage. An expired or mismatched snapshot requires a new search. This is global discovery, not a complete exchange security master or a guarantee of real-time market data.

Check the exact symbol, asset class, exchange, currency and observation time. Cross listings are separate instruments. Company-country reference and listing country are different; unsupported TradingView venue conversions are excluded rather than assumed to be a US listing. GBP and GBp, index points, futures units and FX direction remain distinct. A missing observation time stays unknown.

Open **Charts** for the native instrument view. Its existing actions can track that exact supported selection in Pro Brief or configure an explicit alert.

Watchtower data and evidence

- **Data points** searches all definitions returned by the native public point registry: IDs, labels, descriptions, units, source names and workspace associations. Inspect a result to read its current source-qualified value and underlying fields.
- **Source records** searches the existing permission-aware retained index. Records include indexed fields, articles, events and source excerpts, with provenance. Old indexed prices or rating references are not automatically current quotes or certified current ratings. More records uses native pagination; if the index generation changes, rerun the search rather than mixing pages silently.
- **Datasets & fields** searches every reviewed source definition available through the catalogue, including catalogue-only sources with no indexed matching records. Open a dataset, set its source-native filters, then browse or search the fields and values in the returned response.

The **Search coverage & source dates** panel shows current source/point counts, index materialization time and indexed/catalogue-only/bounded coverage. The current retained index is bounded at one million records; native histories and source pagination can extend beyond it. This does not mean all information in the world is indexed. Private account data, unreviewed feeds and licensed-only provider data are not admitted to this public evidence search.

Inspect fields without leaving Global Markets

1. Choose **Browse source & fields** or **Inspect data**.
2. Review source state, values, units and distinct observation/publication/snapshot/ retrieval clocks. Definitions and original fields are in an optional disclosure.
3. For a dataset, expand **Source-native filters & pagination**. Use the documented read-only view, query, country, year or returned identifier required by that source. **Apply source filters** updates the preview.
4. Select **Browse / search source fields**. Search a field name or value, open nested objects/arrays, or select **Preview this field / record**.
5. The preview keeps stable record identity, original unit, reporting period and status when supplied. Anonymous array values require an explicitly dated reference.

More fields pages the selected response, not the source's entire history. Source-native offset/cursor/snapshot controls are independent and remain visible. Field traversal and source responses are bounded; unavailable and missing data remain explicit, not zero. Some definitions require an exact ID before they can return data. A bulk-only route may not be eligible as a Pro Brief feed.

Save and continue researching

Put in Pro Brief uses the existing owner-bound saved board and keeps Global Markets open. A stable field tracks that source identity; a retained indexed record is a dated reference. Anonymous selections use the native explicit snapshot path. No watch or alert is enabled automatically. Existing card limits and layout/snapshot validation still apply.

Delays, cancellation and account changes

Results arrive independently: a slow market provider does not block searchable Watchtower evidence. Retry the failed section, refine the query, or use Cancel. Source dates on retained results stay unchanged. Instrument discovery is bounded to 7 seconds, quote enrichment to 6 seconds and optional country enrichment to 1.5 seconds; upstream availability still varies. Existing rate/capacity controls apply.

Search state and inspectors clear on account/replay transitions, and late responses are fenced. Each private facade request uses the current verified owner. This search does not require paid AI and does not rebuild the index or force source collectors.

20261021-pro-brief-windows-guide-v1 · 78 registered workspaces · reference inventory reviewed 2026-10-21T05:42:38.912586+00:00. This guide date does not change the age of underlying observations.