AUSPICA · RELEASE 1.3 · CORRECTNESS

Adjudication Rules and Release Notes

The event, impact, series and use model; the rules by which impacts are adjudicated; a full accounting of every window boundary that moved; and the license and sourcing standard for the published corpus

Accessible at https://auspica.ai/break-in-series/index.html

Release 1.3.0
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Prepared by Auspica LLC

Application, schema, corpus and guide all report version 1.3.0

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1. What Shipped

A significant challenge in AI and data governance is understanding and mitigating bias in the underlying data, whether for use in training or analytics. Every long-running data series, such as the US Census, keeps its name while the regime underneath it changes: a threshold moves, a population is redrawn, an instrument is replaced. The challenge is those joins are often invisible in the data itself. Instead, they live in methodology notes, change tickets, and the memory of people who have since left, which is why a chart can look continuous while measuring two different things unbeknownst to the observer.

To provide a meaningful view and highlight the challenge, Auspica used Claude to pull together 202 data sets, determine the events when the data changed in some way and why, and identify the impact, what that change did to the series, in which direction, and whether a correction exists. This approach enables comparability derived from impacts with an answer to the question a model owner or an auditor actually has: for this particular use, how far back does the data support the claim, and which change decides it.

The break-in-series tool is available at: https://auspica.ai/break-in-series/index.html

Release 1.3.0 is a correctness release. No events were added. The reasoning model was rebuilt so that comparability is computed from scoped impacts rather than from event-level tags, and the publication defects identified in review were corrected.

ARTIFACT	VERSION	WHAT IT IS
`break-in-series-register-v1.3.html`	1.3.0	The instrument. Self-contained, no external requests, no browser storage.
`break-in-series-corpus-v1.3.0.json`	1.3.0	The published dataset, licensed CC BY 4.0, with manifest and build hash.
`break-in-series-schema-v1.3.0.json`	1.3.0	JSON Schema 2020-12 for the register format.
`regression-baseline-v1.2.json`	frozen	The 18 window results and 1,008 matrix cells as computed by 1.2, captured before any change.
`This document`	1.3.0	Adjudication rules, boundary accounting, license and sourcing standard.

1.1 Model change in one sentence

> An event records what happened. An impact records what that event did to one specific series, in which direction, and whether a bridge exists. A use inherits an impact only when the impact touches a series that use actually consumes.

1.2 Corpus shape

MEASURE	VALUE	NOTE
Events	202	Unchanged. Expansion is deferred to 1.4 as recommended.
Impacts	242	Generated from events, then adjudicated where blast radius warranted it.
Series records	108	88 concrete national series and 20 family-level records for international standards.
Downstream uses	18	Re-scoped with explicit jurisdictions and series lists.
Bridge states	11 applied, 11 available, 25 disclosure only, 195 none	Assigned by rule from remediation text; flagged for review in 1.4.
Bounded impacts	5	Breaks that were later corrected or reversed, producing interval gaps rather than permanent closures.

2. Adjudication Rules

These rules were written before the corpus was converted, because two hundred events cannot be adjudicated consistently without them. They are deliberately short. Anything not covered here is a gap to be closed by amendment rather than by improvisation.

2.1 Inclusion

- An event enters the register when a documented change altered the meaning, coverage, availability or generation of observations in a named series.
- A change that altered only presentation, file format, publication schedule or branding does not enter the register.
- An event may be historically important and still produce no impacts. Record it if it aids interpretation; it will affect no use.
- Series origins and terminations are recorded as events, because the absence of observations is not the same as their incomparability.

2.2 Scope

- Every impact names exactly one series. An event affecting five series produces five impacts.
- An impact inherits geography, population and frequency from its series unless it states otherwise. Most impacts are one line.
- A national change scopes to that jurisdiction. An international standard scopes to the series family, because it affects every national series in that family as each country adopts it.
- Where a change affects a headline aggregate differently from its subindices, that is two impacts with different verdicts, not one compromise verdict.
- When in doubt about scope, scope narrowly. A missed impact is a visible gap; an over-broad impact silently corrupts every use downstream of it.

2.3 Verdict

VERDICT	ASSIGN WHEN
Not comparable	Values either side describe different things and no correction can reconcile them. Split the series or exclude the earlier period.
Adjustable	A correction is conceptually possible. Record the bridge state separately; adjustable does not mean corrected.
Comparable, note it	The change is real but immaterial to the series in scope. Recorded so the one analysis where it matters can find it.

2.4 Direction

This is the rule that was wrong in 1.2 and it is the one to get right. The test is not when the change happened. It is which side of the change the current regime sits on.

> Assign prior when the current regime began at the change, so the data before it is what cannot be compared. Assign subsequent only when the change spoils the present: an automated decision now shapes the observations, a consent or privacy mechanism now selects them, or a measured party now games them. A regime transition is prior, however dramatic it was.

2.5 Bridge state

STATE	MEANING
None	No correction exists. The break blocks both the raw and the adjusted window.
Disclosure only	Comparability is preserved by documenting the change. No numeric correction is needed; blocks neither window.
Available	A crosswalk, backcast or coefficient exists but has not been applied. Blocks the raw window; the adjusted window assumes it is applied.
Applied	The issuing body restated history and the current vintage already carries the correction. Blocks neither window.

Bridge states in this release were assigned by rule from the remediation text and have not been individually reviewed. That is stated in the manifest and is the first task of 1.4.

2.6 Status and dates

- Only events with status effective are counted in a current window. Proposed, announced and partially effective events are recorded, surfaced as pending, and excluded from the computation.
- Announcement and effect are separate fields. Where a change was phased in, the effective date is recorded and the phasing is described in the detail field.
- An impact that was later corrected or reversed carries an effective_to date, which produces a bounded gap rather than a permanent closure.

2.7 Provenance

- Declared and detected are assessment states, not Booleans: yes, no, not assessed, inconclusive, not applicable.
- Detection states in this corpus are drawn from published analyses. No change point detection has been operated by the publisher, and the manifest says so.
- A detected discontinuity is not a causal attribution. Link it to an event only when the relationship is evidenced.

3. Boundary Accounting

Every window that moved between 1.2 and 1.3 is listed here with the impact that set the new boundary. This is the guard against the failure mode where a remodel is judged by whether the output looks better. Fifteen of eighteen windows changed; each change is attributable.

DOWNSTREAM USE	1.2 RAW	1.3 RAW	OPENED BY	STATUS
US long-run inequality research	none	2014 to 2018	IMP0188	Changed
Global climate trend attribution	1993 to 2009	2017 to 2026	IMP0208	Changed
US epidemiological time series	none	none	series start	Unchanged
Cross-country GDP comparison	none	2016 to 2026	IMP0205	Changed
US racial and ethnic disparity analysis	none	none	series start	Unchanged
US crime trend analysis	2021 to open	2021 to 2026	IMP0225	Changed
International educational attainment	2016 to open	2016 to 2026	IMP0202	Changed
Clinical prevalence claims	none	none	series start	Unchanged
US equity strategy backtesting	none	2023 to 2026	IMP0238	Changed
LLM training corpora	none	1750 to 2022	series start	Changed
Geospatial change detection	1986 to 2009	1986 to 2026	IMP0064	Changed
Natural hazard frequency claims	1966 to open	1966 to 2026	IMP0033	Changed
US benefit program modeling	2005 to 2018	2005 to 2018	IMP0145	Unchanged
US air quality compliance trends	1997 to open	2015 to 2026, two segments	IMP0164	Changed
US transport and workplace safety	2002 to open	2002 to 2026	IMP0132	Changed
International labor market comparison	2021 to open	2021 to 2026	IMP0224	Changed

DOWNSTREAM USE	1.2 RAW	1.3 RAW	OPENED BY	STATUS
Drug safety signal detection	none	2007 to 2016	IMP0155	Changed
US top income share estimation	none	2014 to 2018	IMP0188	Changed

3.1 Empty windows fell from nine to three

That is the expected consequence of correct scoping and it is also what careless scoping would produce, so it is not evidence of anything on its own. The three that remain are informative:

- US epidemiological time series still has no raw window. Cause of death coding was rebased at ICD-11 in 2022, while cancer incidence has been shaped by screening policy since 2012. A use needing both genuinely has no clean overlap. That is now an explainable conclusion naming two impacts, rather than an artifact of family-level tagging.
- US racial and ethnic disparity analysis and clinical prevalence claims are empty for the same structural reason: a recent redefinition on one series and an ongoing contaminating effect on another.

3.2 The three most consequential corrections

CORRECTION	EFFECT
End of dollar convertibility, 1971, reclassified from subsequent to prior	The floating-rate era is the current regime, so the pegged era is what is not comparable. This single entry had been closing three separate use windows at 1971. Its national accounts impact was dropped entirely; the end of convertibility did not change how national accounts are constructed.
Regulation NMS, 2007, reclassified from subsequent to prior and scoped	Now scoped to US equity microstructure rather than all market data. Pre-2007 single-venue data is what fails to compare.
Prostate screening recommendation, 2012, scoped to cancer incidence	It no longer closes drug safety signal detection, which now has a defensible window of 2007 to 2016 bounded by trial registration and the opioid prescribing guideline.

3.3 Full adjudication log

Thirteen impacts were adjudicated by hand, prioritized by blast radius. Four were dropped as unfounded. Each carries an adjudication note visible in the instrument.

EVENT	ACTION	REASON
EV037	**Rescoped and reversed**	Bretton Woods: regime transition, direction corrected to prior, scoped to the exchange rate regime series.
EV037	**Impact dropped**	The end of convertibility did not change national accounts

EVENT	ACTION	REASON
		construction.
EV128	**Rescoped and reversed**	Regulation NMS: direction corrected to prior, scoped to US equity microstructure.
EV137	**Impact dropped**	Defeat devices did not affect geodetic reference data.
EV137	**Rescoped and bounded**	Scoped to regulatory test-cycle results, bounded by public disclosure in September 2015.
EV149	**Rescoped**	Screening policy affects detected incidence, not all disease surveillance.
EV180	**Rescoped**	App tracking transparency scoped to mobile attribution rather than all web measurement.
EV196	**Rescoped, confidence lowered**	Public language models: onset is diffuse, the release date is emblematic rather than defensible. Confidence set to low.
EV196	**Impact dropped**	Model-generated text contaminates corpora, not analytics measurement.
EV199	**Rescoped and retitled**	US dollar LIBOR: panel cessation was June 2023 but synthetic settings continued to September 2024. Title and effective_to corrected.
EV199	**Impact dropped**	Rate substitution does not change financial reporting standards.
EV202	**Status changed**	Race and ethnicity standards: partially effective, so excluded from current windows. Existing collections have until 2029 and the ACS targets 2027.
EV121	**Rescoped**	Retention and truncation scoped to US event logs.

4. Publication Defects Corrected

All sixteen defects raised in review that fall inside this release are corrected. Each was verified against the shipped file rather than against documentation.

DEFECT	CORRECTION
Footer reported version 2.0 while the file was 1.2	Every version string is generated from the manifest. Application, schema, corpus and guide all report 1.3.0.
Masthead claimed coverage to the present	The masthead now prints the actual first and last event dates from the manifest.
Three external font requests contradicted the self-contained claim	No external requests of any kind. The status bar states network requests: none, computation: local, persistence: off.
Guide said a window opens the day after a break; code used the event date	Boundaries are now explicit intervals. A prior-direction impact invalidates everything strictly before its effective date; the rule is stated in section 2.6 and implemented once.
Validation checked only date shape, verdict and array type	Schema plus referential validation: real calendar dates, controlled vocabularies, unique identifiers, existence of referenced events and series, date ordering, and blocking impacts carrying no bridge. A validate-only mode reports without applying.
Custom domains vanished from the timeline	All vocabularies, lanes, filters, legends and validation rules are read from the loaded register. Importing a register with its own domains works.
The Unspecified region option matched nothing	Region options and matching use the same expression.
Automatic identifiers could collide on import	Generation scans existing identifiers and continues past the highest.
White on gold failed contrast at 3.25 to 1	Verdict chips use dark ink on gold at 4.90 to 1. Body gray darkened to raise small-text contrast.
Sortable headings lacked semantics	Headings contain buttons and expose aria-sort. Tables have captions and scope attributes; matrix cells carry a nonvisual description.
Smooth scrolling ignored reduced motion	All programmatic scrolling checks the preference and falls back to instant.
The majority claim was wrong	Empty windows are reported as a count, computed live, never as a characterization.
Every model deployment described as a break	Narrowed. A model deployment is a candidate break when its output changes who or what is observed, how observations are generated, or how measured parties behave.

DEFECT	CORRECTION
Search omitted most of the record	Search covers identifiers, series, mechanisms, bridge state, remediation, evidence issuers and adjudication notes.
Export used one generic filename	Filenames carry register name, corpus version and export date.
Reconciliation cards were not actionable	Each card filters the register to its category.

5. License and Attribution

The corpus is published as a dataset in its own right, separately from the instrument that displays it. It is the more durable asset and it benefits from external correction in a way that a browser tool does not.

TERM	VALUE
License	Creative Commons Attribution 4.0 International, CC BY 4.0.
Attribution string	Auspica LLC, Global Break-in-Series Register, corpus version 1.3.0.
Scope of license	The corpus JSON, the schema, and the controlled vocabularies. The instrument source is licensed separately.
Integrity	Each release carries a build hash over the published payload, recorded in the manifest and printed in the application footer.
Versioning	Semantic. The major version changes when the schema breaks compatibility; the minor version when the corpus gains or loses events; the patch version for corrections that do not alter any computed boundary.
Corrections	A standing correction route is published with the dataset. Accepted corrections appear in the next release with the event identifier and the nature of the change.

5.1 Sourcing standard for claims about named organizations

The corpus records that specific bodies misreported, concealed or falsified data. Those entries are historically well founded and they should remain. Publishing them under a license raises the standard they must meet.

- An entry asserting institutional failure cites a primary finding: a regulator report, an official inquiry, a court record, or the responsible body’s own statement. Press coverage is not sufficient on its own.
- The entry describes what the finding established, not what it implies about motive.
- Where a matter was contested, later revised, or remains disputed, the entry says so in the detail field.
- Where an organization has published a correction or a corrected series, the entry records that and points the reader to it.
- Entries of this kind carry an evidence record of type regulatory_finding, inquiry, court_record or admission rather than declaration.

> Current status: evidence records name the issuing body but are not yet linked or hashed, and the manifest reports verification status as cited_not_linked. Every entry asserting institutional failure must be raised to a linked primary finding before the corpus is promoted beyond a reference release. That is the first gate on 1.4.

6. What 1.3 Deliberately Does Not Include

Deferrals, with the release that returns them. Each was assessed as correct in principle and premature in practice.

DEFERRED	RETURNS	WHY NOT NOW
Bridge states beyond four	**2.0**	Distinctions between estimated, independently validated and official matter only once bridges are approved by someone.
Evidence hashes, reviewers, verification workflow	**1.4**	Assurance metadata with no assurance process behind it is decoration. The linked-source requirement in 5.1 comes first.
Detection records with method and confidence intervals	**When detection is operated**	Nothing currently runs change point detection. The manifest says so rather than implying otherwise.
Provisional and available-but-not-comparable window types	**1.4**	Two more states with no reviewer to resolve them.
Form-based editing, approval workflow, import mapping	**2.0**	Product work. Gated on the commercial decision, now taken; scheduling follows in the 2.0 plan.
Provenance graph	**2.0**	The cheap part of explainability shipped: every boundary names its impact and opens the record. The graph is the expensive part.
Corpus expansion	**1.4**	Suspended by design until scoped impacts existed. That condition is now met.

7. Next Steps

7.1 Immediate, in order

1. Review the 242 bridge states. They were assigned by rule from remediation text, which is defensible as a starting position and not as a published claim. Prioritize the 11 marked applied, since those widen windows.
2. Raise every entry asserting institutional failure to a linked primary source, per section 5.1. This is the gate on publishing the corpus beyond a reference release.
3. Adjudicate the remaining subsequent-direction impacts. Ten remain after the two reversals; each should be tested against the rule in section 2.4.
4. Publish the corpus with its license, attribution string, build hash and correction route.
5. Open 1.4: corpus expansion under the scoped model, starting with the geographic gap and the candidate events from review.

7.2 Standing checks

- Any change that moves a window boundary is accounted for against the frozen baseline, naming the impact responsible. The baseline file ships with this release for that purpose.
- Empty window counts are reported, never characterized. The count is an output, not a target.
- Version metadata is generated from the manifest in one place. A version string typed by hand is a defect.
- Any claim in the guide that the instrument does not implement is a defect of equal severity to a code error. That asymmetry is what produced most of the 1.2 findings.

7.3 Open question carried forward

One decision from the assessment remains open and does not block this release: whether the break register shares declaration, detection and evidence objects with the Declared Behavior Framework. If it does, those objects should be designed once, and the natural moment is when evidence records are hardened in 1.4. Deciding after 1.4 means rebuilding them.

Appendix A. The Window Computation

Stated once, implemented once, so that the guide and the code cannot drift apart again.

1. Resolve the use to its series list and its jurisdictions.
2. Select impacts whose series is in that list, or whose series is a family-level record whose family the use consumes.
3. Discard impacts whose event status is not `effective`. Report them separately as pending.
4. Convert each remaining impact into an invalid interval. A `prior` impact invalidates everything before its effective date. A `subsequent` impact invalidates everything from its effective date until its effective_to, or without end if there is none.
5. For the raw window, an impact produces an invalid interval when it is blocking, or when it is adjustable and its bridge is none or available.
6. For the adjusted window, an impact produces an invalid interval when it is blocking, or when it is adjustable and its bridge is none.
7. Subtract the union of invalid intervals from the horizon. The result is a set of valid segments, which may be empty, single or multiple.
8. For each segment, record the impact whose interval ends at its opening and the impact whose interval begins at its close.

> A minor impact never produces an invalid interval. An adjustable impact with bridge applied or disclosure only never produces one either. Everything else does, and names itself when it does.

A.1 Test cases covered

CASE	BEHAVIOR VERIFIED
Contaminating break with no prior break	LLM training corpora returns 1750 to 2022 rather than none. A use can have a window that is open on the left and closed on the right.
Bounded impact	Five impacts carry an effective_to, producing a gap rather than a permanent closure. US air quality returns two segments.
Pending status excluded	The 2024 race and ethnicity standards are partially effective and do not alter any current raw window.
Narrow scope	A prostate screening recommendation no longer closes a drug safety use.
Unrelated series dropped	Four impacts were removed as unfounded; their events remain in the register and affect nothing.
Custom taxonomy	A register imported with its own domains renders lanes, filters, legends and validation without code changes.
Identifier collision	Generation continues past the highest existing identifier rather than restarting.

CASE	BEHAVIOR VERIFIED
Blocking with a bridge	Rejected at validation. A blocking impact must carry bridge none.

Appendix B. Schema Summary

The full schema ships as break-in-series-schema-v1.3.0.json. Referential rules that JSON Schema cannot express are enforced by the application and listed at the end.

OBJECT	REQUIRED FIELDS
manifest	schema_version, corpus_version, event_count, impact_count, license
vocabularies	layers, mechanisms, domains, verdicts, directions, statuses, bridges
series	series_id, series_family, granularity, geography
uses	id, name, series
events	id, title, layer, domain, status, effective_from, and at least one evidence entry naming an issuer
impacts	id, event_id, series_id, verdict, direction, bridge, effective_from

B.1 Rules enforced beyond the schema

- Every impact references an event and a series that exist.
- Every use references series that exist.
- Identifiers are unique within their collection.
- Dates are real calendar dates, not merely date-shaped strings.
- effective_to never precedes effective_from, and an event is never announced after it takes effect.
- Every vocabulary-valued field resolves against the loaded vocabularies.
- A blocking impact carries bridge none, because a blocking break by definition has no correction.
- Events carrying no impacts are reported as a note rather than an error, since a historically useful event may legitimately affect no use.