

Reporting and statistics

Understanding the CAP ecosystem

Collection, vocabulary use, keyword exploration
and monthly reports

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Evidence for ecosystem analysis

01 Collection reliability

Source diagnostics and guidance

02 Vocabulary use

Codes, phrases and concentration

03 Keyword exploration

Related language across fields and senders

04 Monthly reports

A common period reference

26 minutes of screens and explanation · 4 minutes for questions

The feed is the collection boundary

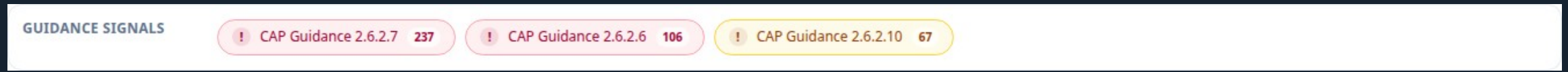
DIAGNOSTICS

CODE mx-smn-es	NAME Mexico: CONAGUA - Servicio Meteorologico Nacional de Mexico	STATUS operating	ENABLED Yes
NEXT DUE 2026-10-05T07:45:41 UTC	BACKOFF None	SOURCE URL https://smn.conagua.gob.mx/tools/PHP/feedsmn/cap.php	
REFLECTOR URL https://ah-node-v2.api.alerting-apps.net/public/reflector/mx-smn-es			

Feed check → alert discovery → retrieval → processing

A successful check is one part of the collection evidence.

Guidance Signals explain the evidence



Hover evidence from CAP Guidance 2.6.2.7

“Reporting tag UNKNOWN-SEVERITY matched 65 alerts in the current window.
Reporting tag UNKNOWN-CERTAINTY matched 172 alerts in the current window.”

The 237 badge adds evidence counts; the alert sets can overlap.

Advisory guidance; a signal needs interpretation. Full native hover wording is supplied with the sources.

Latest Errors and Health Buckets

LATEST ERRORS

smn.conagua.gob.mx: Name or service not known
2026-10-04T07:45:14 UTC · seen 6x

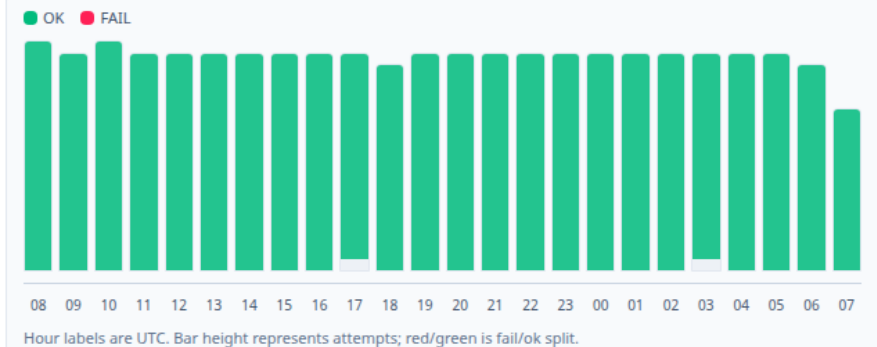
connection timed out after 30000 ms: smn.conagua.gob.mx/200.4.8.20:443
2026-09-30T21:08:09 UTC · seen 3x

handshake timed out after 10000ms
2026-09-30T21:05:07 UTC · seen 3x

connection timed out after 30000 ms: smn.conagua.gob.mx/200.4.8.24:443
2026-09-26T01:02:00 UTC · seen 2x

connection timed out after 30000 ms: smn.conagua.gob.mx/200.4.8.17:443
2026-09-26T00:59:24 UTC · seen 4x

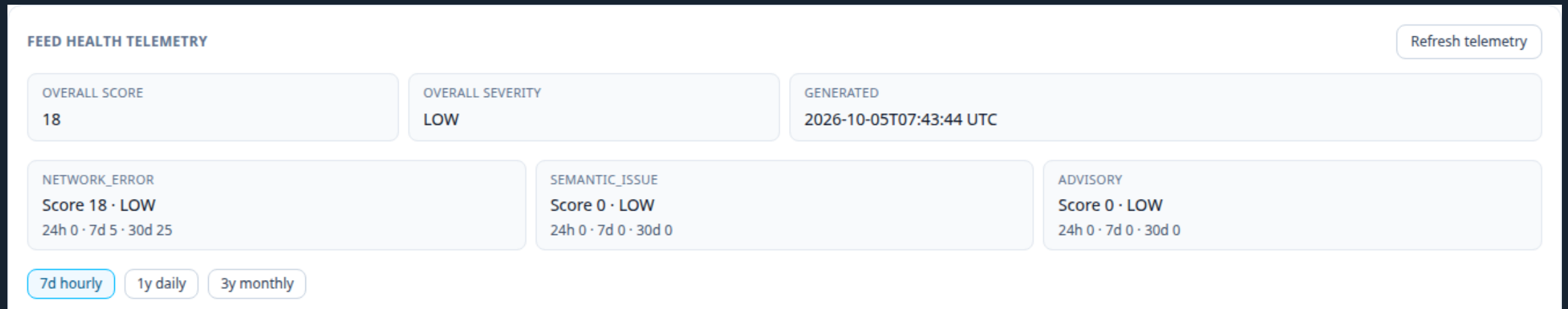
HEALTH BUCKETS (24H)



An older error can coexist with healthy recent collection.

Latest Errors retains timestamps. Health Buckets covers rolling 24h attempts, not newly published alerts.

Longer operational context



Error type and time window help explain a collection gap.

Network errors, semantic issues and advisories describe different investigation tasks.

OET vocabulary evidence



54 of 224 terms have explicit code-value evidence (24.1%).

2026-09 selects a saved snapshot; these counts are archive-wide. Qualified code matching is unsupported.

Explicit code matches are concentrated

TERMS
Showing 224 of 224

FILTER

ORDER
Most evidenced

CODE	TERM	EVENTCODE	PHRASE	QUALIFIED	FIRST SEEN	LAST SEEN	EVIDENCE
OET-004 Usage graph	air quality	220,956	301,437	N/A	2025-04	2026-10	Code + phrase
OET-194 Usage graph	thunderstorm	30,524	1,011,493	N/A	2024-07	2026-10	Code + phrase
OET-221 Usage graph	wind shear	22,995	81	N/A	2024-05	2026-10	Code + phrase

77.1%

OET-004’s share of the sum
of per-term code counts

First three terms: 95.8% of that sum. These percentages do not count distinct alerts or publishers.

A constructive vocabulary review

TERMS
Showing 224 of 224

FILTER

ORDER

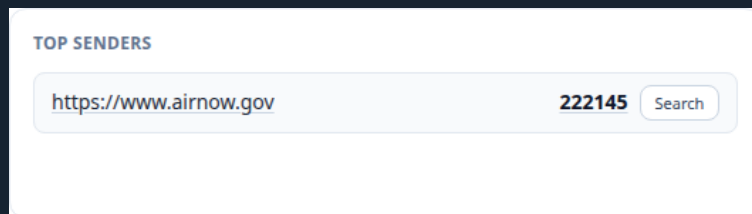
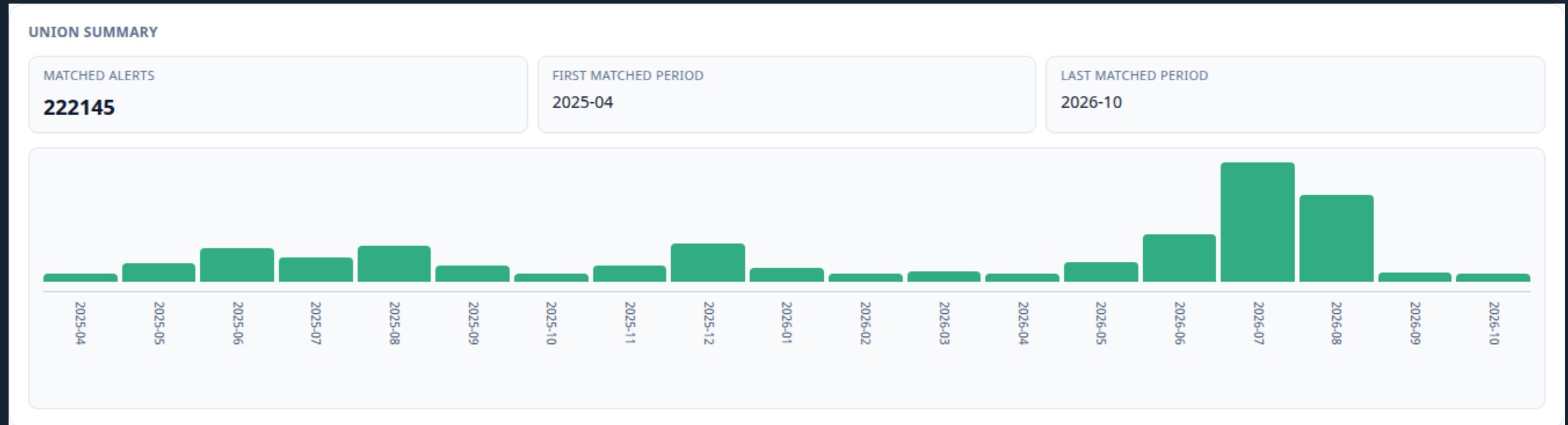
Least evidenced

CODE	TERM	EVENTCODE	PHRASE	QUALIFIED	FIRST SEEN	LAST SEEN	EVIDENCE
OET-000 Usage graph	other event	0	0	N/A	-	-	No evidence
OET-001 Usage graph	active shooter situation	0	0	N/A	-	-	No evidence
OET-002 Usage graph	administrative activity	0	0	N/A	-	-	No evidence

Term development can be informed by publishing practice.

82 terms have neither form of evidence. Rare hazards, language and collection coverage still matter.

A usage graph needs sender context



222,145 live matches
One contributing sender value

All selected fields; all history. Live explorer counts and saved code-only counts have different scope and timing.

Related words and quoted phrases

TERMS

hurricane cyclone typhoon "tropical storm"

FIELDS

Event

Event Code

Headline

Description

Instruction

Selected fields constrain the archive search. Quoted phrases are treated as exact phrases.

DATE FROM

September 2026

DATE TO

September 2026

Term hurricane

Term cyclone

Term typhoon

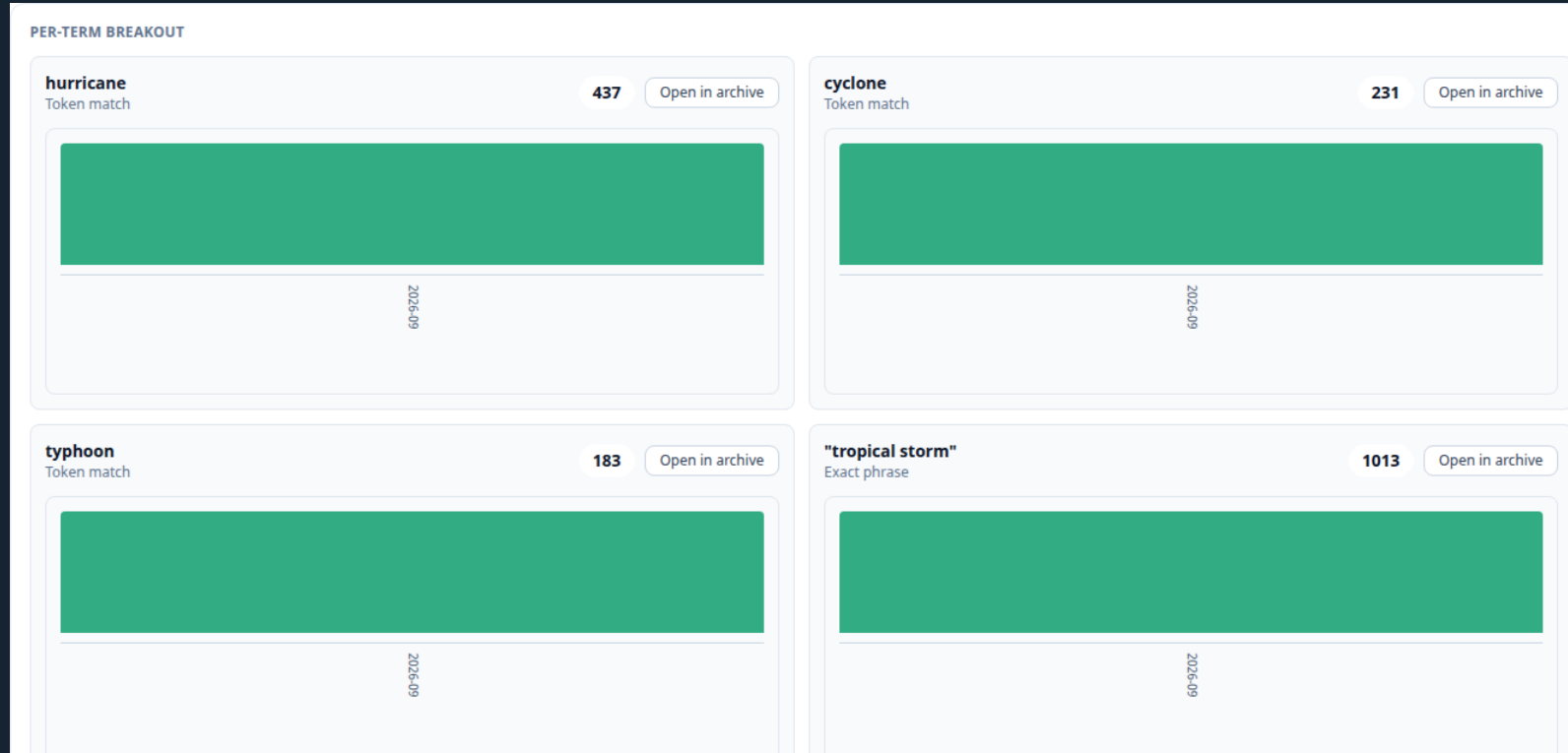
Phrase "tropical storm"

Explore

One named month; the same selected fields.

Unbounded results include suspect future buckets. Alternate publisher calendars are an active data-quality concern.

Union counts avoid double counting



1,353

unique alerts
in the union

1,864

sum of term counts

An alert can contain several of the searched expressions.

Where the words occur

FIELD PREVALENCE MATRIX

Counts are unique alerts. Keyword columns may overlap, so the final Union column is not an arithmetic sum.

FIELD	HURRICANE	CYCLONE	TYPHOON	"TROPICAL STORM"	UNION
Event	<u>217</u>	<u>207</u>	<u>68</u>	<u>485</u>	<u>977</u>
Event Code	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Headline	<u>217</u>	<u>137</u>	<u>71</u>	<u>573</u>	<u>913</u>
Description	<u>349</u>	<u>192</u>	<u>182</u>	<u>1003</u>	<u>1334</u>
Instruction	<u>0</u>	<u>32</u>	<u>3</u>	<u>3</u>	<u>35</u>

Description: 1,334

Event: 977

Background text and event labels answer different questions.

Sender context changes the interpretation

TOP SENDERS		
w-nws.webmaster@noaa.gov	947	Search
PAGASA-DOST	89	Search
info-gdacs@gdacs.org	70	Search
cap-alert@hko.gov.hk	66	Search
opendata@dwd.de	29	Search
Raoping_County_Meteorological_Observatory	8	Search

947 / 1,353

70.0% of matching alerts
from one sender value

Counts reflect publication practice and collection coverage.

Sender matrices and sample alerts provide follow-up context. English terms do not cover every language.

The September monthly report

Overall totals (12)	
MONTH	ALERTS
2025-10	100,903
2025-11	113,545
2025-12	158,469
2026-01	167,982
2026-02	137,890
2026-03	138,944
2026-04	127,665
2026-05	160,218
2026-06	275,839
2026-07	304,225
2026-08	267,062
2026-09	152,471

152,471

September records

42.9% lower
than August

A dataset change
to investigate

Finalised 3 October 2026. Monthly message totals are not counts of distinct hazards.

The source index connects totals to feeds

Source index (189)

Select a source to load its detailed tables.

Recent average starts with the first non-zero month and includes subsequent zero months. First alert sent is the first occurrence within the reporting period.

FILTER SOURCES

mx-smn

FEED ID	FIRST ALERT SENT	RECENT AVERAGE	TOTAL	NO POLYGON
mx-smn-es	2025-10-01T03:00:00 UTC	66	782	67

View details

189 sources in the report
152 with non-zero September contributions

The filtered row's Total is for the rolling window. Mexico SMN: 782 in the window; 154 in September.

Monthly source detail

SOURCE DETAIL

mx-smn-es

Latest sample

TOTAL IN REPORTING PERIOD

782

FULL 12 MONTH AVERAGE

66 per month

RECENT AVERAGE

66 per month over 12 months

FIRST ALERT IN PERIOD

2025-10-01T03:00:00 UTC

AVERAGE CALCULATION

(118 + 59 + 31 + 48 + 42 + 31 + 15 + 26 + 99 + 87 + 72 + 154) = (782 / 12) = 66

Publication Frequency (12)

VALUE	COUNT
2025-10	118
2025-11	59
2025-12	31
2026-01	48
2026-02	42

Tags and Flags (9)

Tags are counted against info elements, so the total can exceed the number of alerts in the period.

VALUE	COUNT
Mappable	715
UNKNOWN-EVENT	60
EVENT-TOO-LONG	106
AREATYPE_POLYGON	715

Publication frequency and explicit average calculations.

The detail covers the report window. Tags count info elements; updates are messages, not separate incidents.

A shared method for CAP ecosystem analysis

Collection context

What did we observe successfully?

Vocabulary evidence

Which codes and phrases appear?

Language in context

Which fields and senders contribute?

Period reporting

What changed in the observed dataset?

A question, a period, a counting unit, and inspectable examples.

Contact and resources

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[Companion article](#)

[PowerPoint \(.pptx\)](#)

[PDF presentation](#)

[Speaker notes](#)

[Sources and calculations](#)

Screens and aggregate observations captured 5 October 2026.