

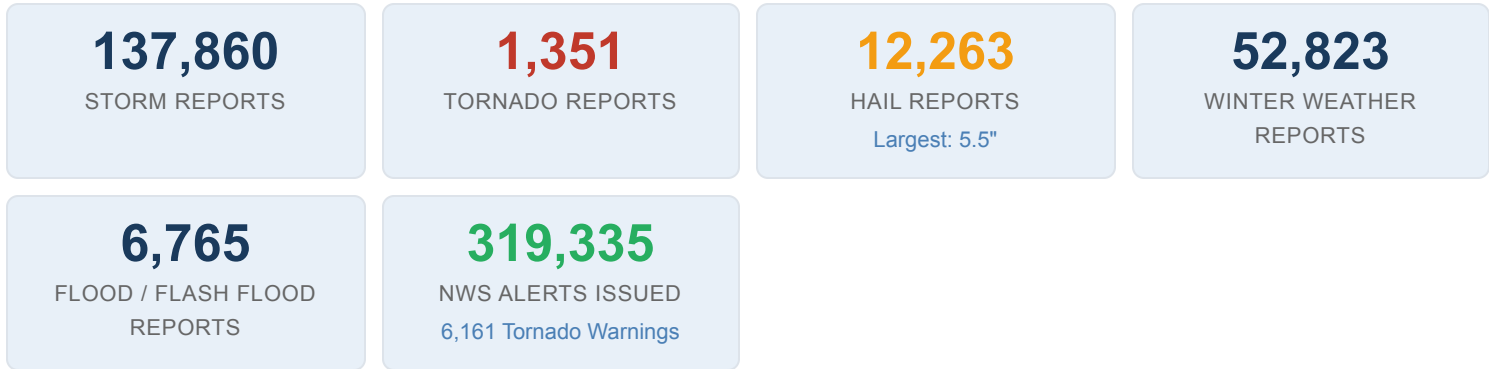


Weather & Alert Services

2023 Year in Severe Weather

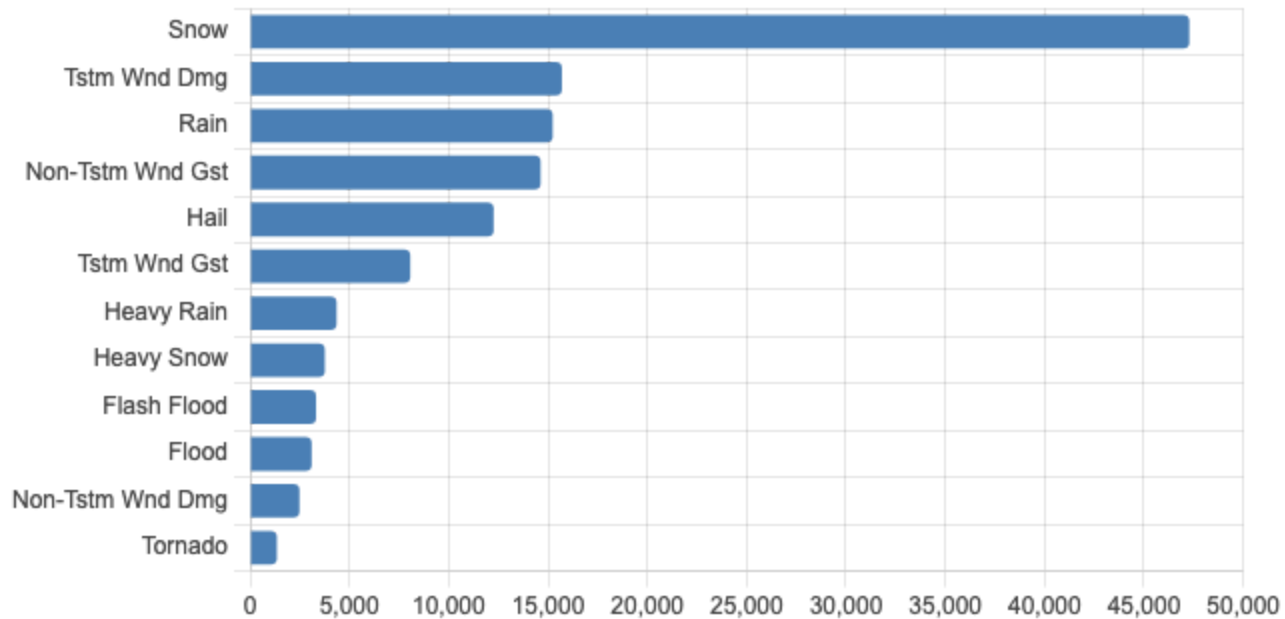
Annual U.S. Storm Report Summary • Published April 09, 2026

Year at a Glance



2023 Highlights: Snow was the most-reported event with 47,284 reports. March was the busiest month (20,844 reports). Colorado led all states with 11,611 reports. The largest hail recorded measured 5.5 inches in diameter.

Storm Reports by Event Type



#	Event Type	Reports	% of Total
1	Snow	47,284	34.3%

#	Event Type	Reports	% of Total
2	Tstm Wnd Dmg	15,700	11.4%
3	Rain	15,235	11.1%
4	Non-Tstm Wnd Gst	14,626	10.6%
5	Hail	12,263	8.9%
6	Tstm Wnd Gst	8,066	5.9%
7	Heavy Rain	4,357	3.2%
8	Heavy Snow	3,766	2.7%
9	Flash Flood	3,324	2.4%
10	Flood	3,102	2.3%
11	Non-Tstm Wnd Dmg	2,490	1.8%
12	Tornado	1,351	1.0%

Tornado Activity

1,351

TORNADO REPORTS

IL

MOST ACTIVE STATE

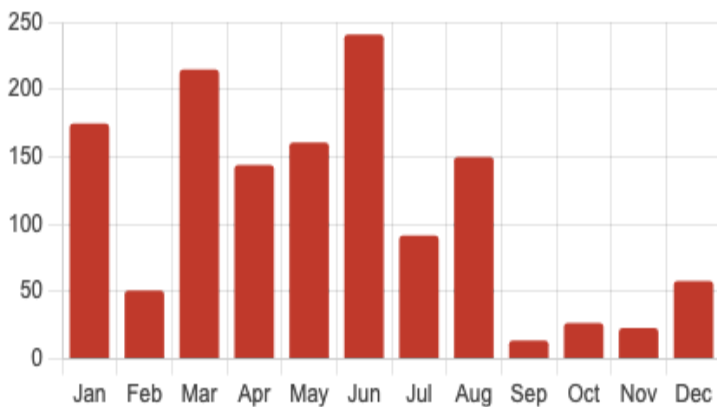
133 reports

Jun

PEAK MONTH

241 reports

MONTHLY DISTRIBUTION



TOP STATES

#	State	Reports
1	IL	133
2	AL	119
3	CO	104
4	TX	78
5	NE	71
6	MS	70
7	TN	64
8	OH	55
9	IA	53
10	IN	51

Data note: Tornado EF/F intensity ratings are not consistently recorded in storm reports. Counts above represent confirmed tornado reports; intensity data is omitted due to incomplete coverage.

Hail Activity

12,263

HAIL REPORTS

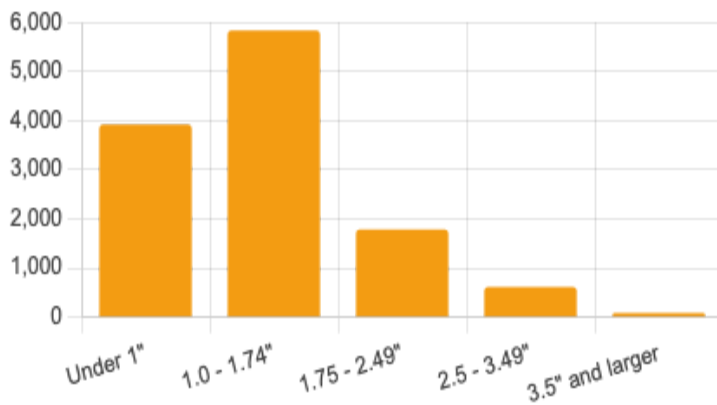
5.5"

LARGEST RECORDED

1,247

SIGNIFICANT ($\geq 2.0"$)
Baseball size and larger

SIZE DISTRIBUTION



TOP STATES

#	State	Reports
1	TX	1,419
2	KS	887
3	CO	840
4	MO	798
5	NE	756
6	IL	737
7	IA	556
8	WI	382
9	AL	357
10	MN	354

Wind Events

41,184

WIND REPORTS
Damaging & measured gusts

154 mph

STRONGEST GUST REPORTED

918

REPORTS ≥ 75 MPH
Hurricane-force threshold

BY WIND TYPE

Type	Reports
Tstm Wnd Dmg	15,700
Non-Tstm Wnd Gst	14,626
Tstm Wnd Gst	8,066

TOP STATES

#	State	Reports
1	CA	2,433
2	UT	2,118
3	TX	1,911

Type	Reports
Non-Tstm Wnd Dmg	2,490
High Sust Winds	302

#	State	Reports
4	FL	1,792
5	AL	1,622
6	ID	1,615
7	WY	1,541
8	CO	1,434
9	KS	1,404
10	GA	1,379

Winter Weather

52,823

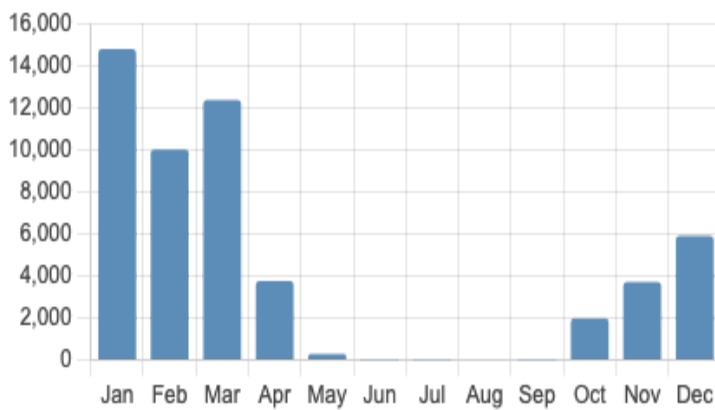
TOTAL WINTER WEATHER REPORTS

51,050

SNOW REPORTS

Including heavy snow events

MONTHLY DISTRIBUTION



BY EVENT TYPE

Event	Reports
Snow	47,284
Heavy Snow	3,766
Freezing Rain	1,280
Sleet	220
Blizzard	180
Ice Storm	93

TOP STATES

#	State	Reports
1	CO	8,413
2	MN	4,330
3	WY	3,349
4	WI	3,259
5	MI	2,332
6	NM	2,080
7	UT	2,018

#	State	Reports
8	NY	1,986

Flood & Flash Flood Reports

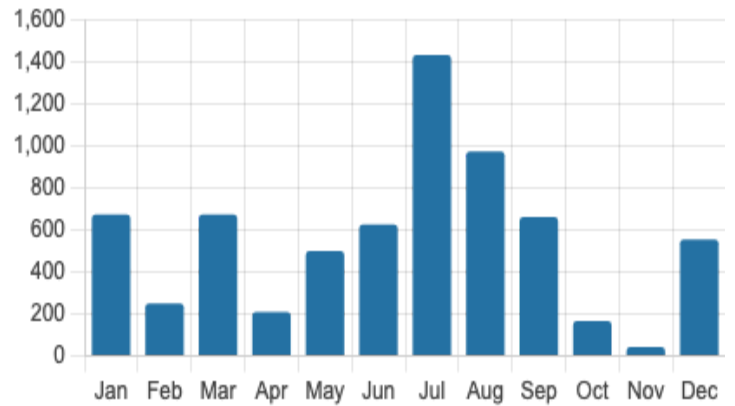
6,765

FLOOD REPORTS (ALL TYPES)

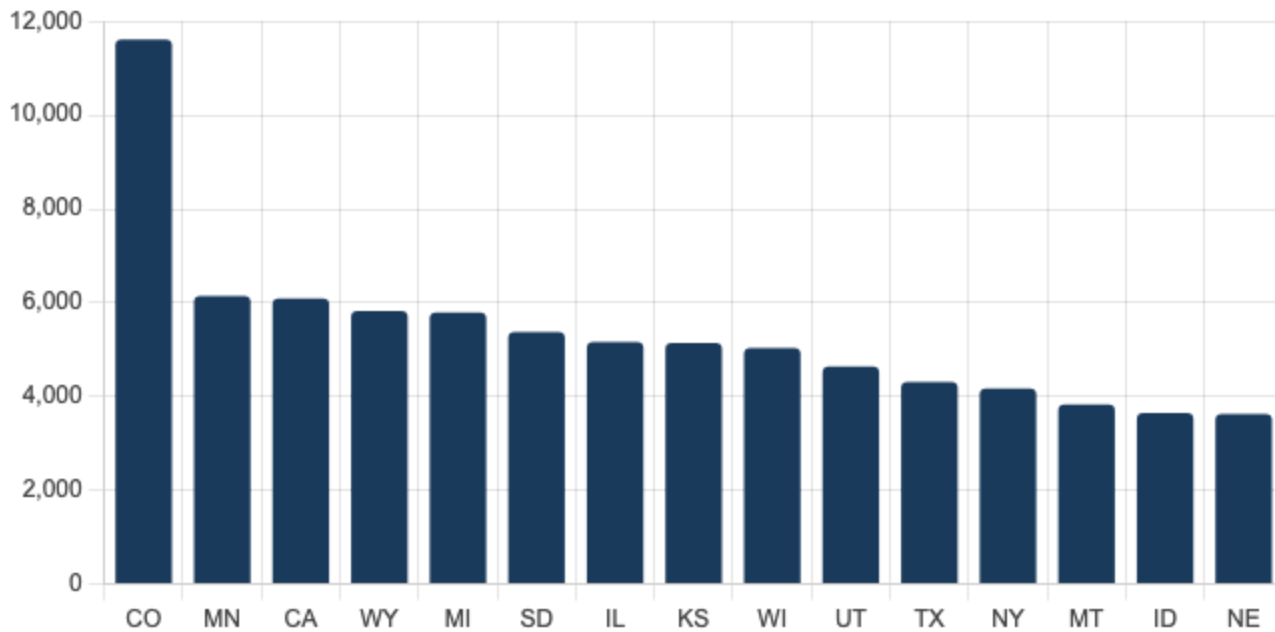
BY EVENT TYPE

Event	Reports
Flash Flood	3,324
Flood	3,102
Coastal Flood	339

MONTHLY DISTRIBUTION



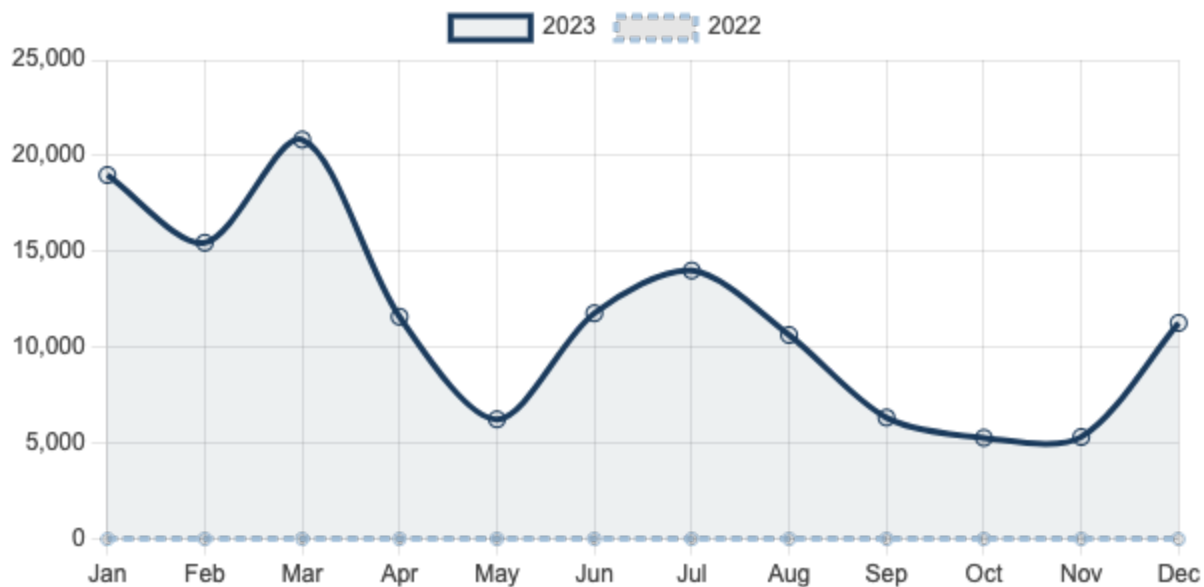
Geographic Distribution — Top States



#	State	Storm Reports	% of Total
1	CO	11,611	8.4%

#	State	Storm Reports	% of Total
2	MN	6,149	4.5%
3	CA	6,092	4.4%
4	WY	5,829	4.2%
5	MI	5,793	4.2%
6	SD	5,377	3.9%
7	IL	5,163	3.7%
8	KS	5,147	3.7%
9	WI	5,041	3.7%
10	UT	4,638	3.4%
11	TX	4,310	3.1%
12	NY	4,171	3.0%
13	MT	3,831	2.8%
14	ID	3,647	2.6%
15	NE	3,628	2.6%
16	PA	3,501	2.5%
17	NM	3,194	2.3%
18	FL	3,039	2.2%
19	ME	2,966	2.2%
20	IA	2,816	2.0%

Monthly Storm Report Activity



Month	2023 Reports	2022 Reports	Change
Jan	18,998	0	—
Feb	15,466	0	—
Mar	20,844	0	—
Apr	11,606	0	—
May	6,253	0	—
Jun	11,785	0	—
Jul	14,016	0	—
Aug	10,652	0	—
Sep	6,343	0	—
Oct	5,286	0	—
Nov	5,331	0	—
Dec	11,280	0	—

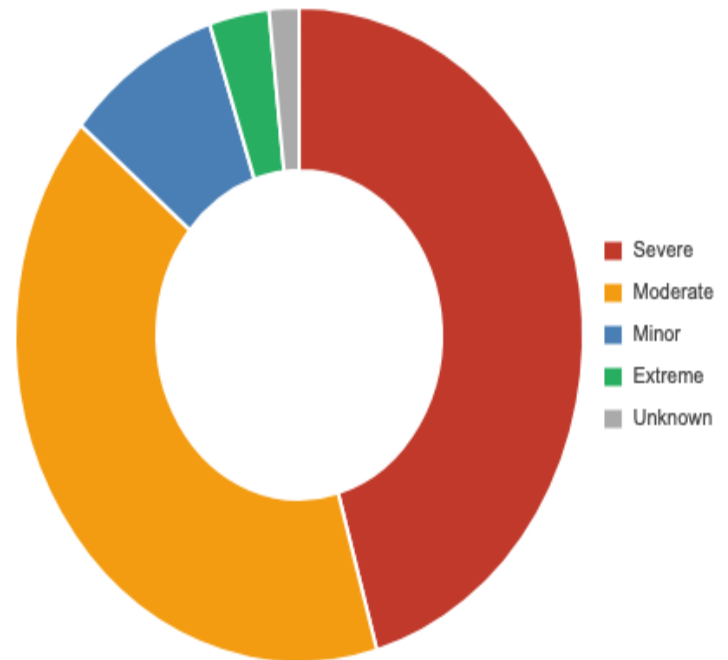
NWS Weather Alert Activity

319,335 NWS weather alerts were issued across the United States in 2023, including **6,161** Tornado Warnings and **58,291** Severe Thunderstorm Warnings.

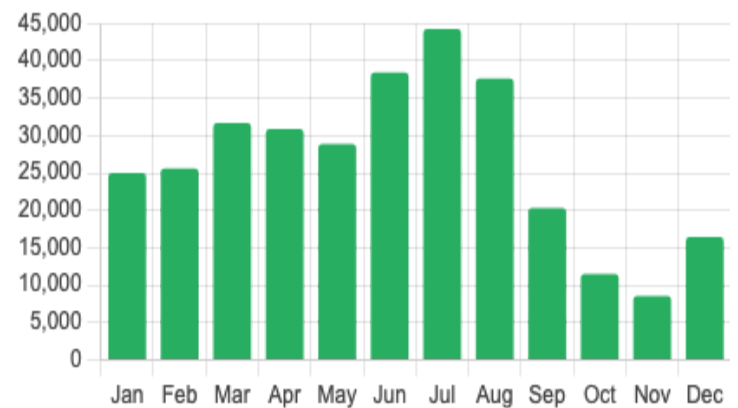
TOP ALERT TYPES

#	Alert	Count
1	Special Weather Statement	62,315
2	Severe Thunderstorm Warning	58,291
3	Flood Warning	29,995
4	Winter Weather Advisory	22,869
5	Flood Advisory	15,980
6	Wind Advisory	11,945
7	Winter Storm Warning	10,718
8	Heat Advisory	10,467
9	Flash Flood Warning	7,758
10	Tornado Warning	6,161
11	Dense Fog Advisory	5,757
12	Excessive Heat Warning	5,677
13	Rip Current Statement	5,283
14	Flood Watch	5,020
15	Coastal Flood Advisory	4,925

ALERTS BY SEVERITY



MONTHLY ALERT ISSUANCE



About This Report

This report summarizes storm spotter reports and NWS weather alerts collected by iAlert for calendar year 2023. Storm report data is sourced from National Weather Service Local Storm Reports (LSRs) ingested by the iAlert weather monitoring system. Alert data represents official NWS alerts issued via the NOAA Weather Wire and CAP alert feed.

Data coverage: Contiguous United States, Alaska, Hawaii, and U.S. territories. Data represents events reported through NWS field offices; actual occurrence may be higher in areas with limited spotter coverage. Individual storm events may generate multiple LSR entries from different reporting sources, which are counted separately as received from NWS.

Wind gust values reflect reported maximum gusts. Entries over 200 mph are excluded as data entry errors. **Hail sizes** reflect maximum diameter as reported by spotters and NWS personnel.

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Data: NWS Local Storm Reports & CAP Alerts | Report generated April 09, 2026

2023 Annual Weather Report

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