



Weather & Alert Services

2022 Year in Severe Weather

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

Year at a Glance

149,529

STORM REPORTS

+15.4% vs 2021

1,322

TORNADO REPORTS

7,948

HAIL REPORTS

Largest: 5.5"

66,455

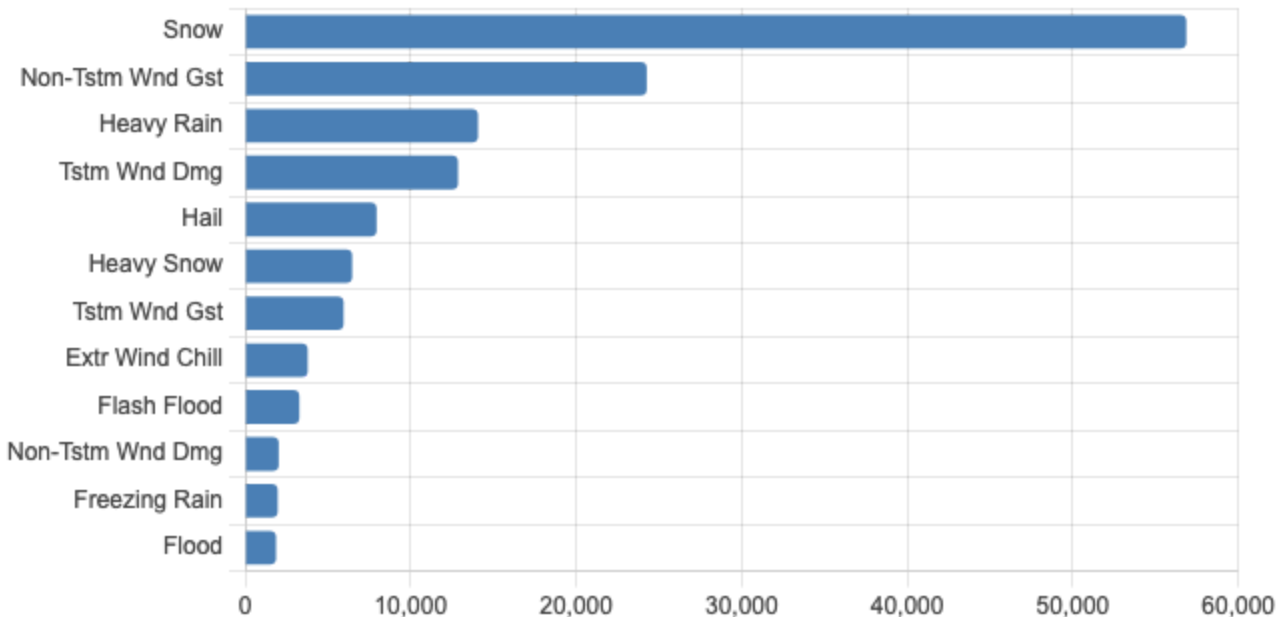
WINTER WEATHER
REPORTS

5,518

FLOOD / FLASH FLOOD
REPORTS

2022 Highlights: Snow was the most-reported event with 56,861 reports. December was the busiest month (21,512 reports). Colorado led all states with 13,528 reports. The largest hail recorded measured 5.5 inches in diameter.

Storm Reports by Event Type



#	Event Type	Reports	% of Total
1	Snow	56,861	38.0%
2	Non-Tstm Wnd Gst	24,267	16.2%
3	Heavy Rain	14,075	9.4%
4	Tstm Wnd Dmg	12,866	8.6%
5	Hail	7,948	5.3%
6	Heavy Snow	6,473	4.3%
7	Tstm Wnd Gst	5,954	4.0%
8	Extr Wind Chill	3,787	2.5%
9	Flash Flood	3,282	2.2%
10	Non-Tstm Wnd Dmg	2,036	1.4%
11	Freezing Rain	1,974	1.3%
12	Flood	1,873	1.3%

Tornado Activity

1,322

TORNADO REPORTS

MS

MOST ACTIVE STATE

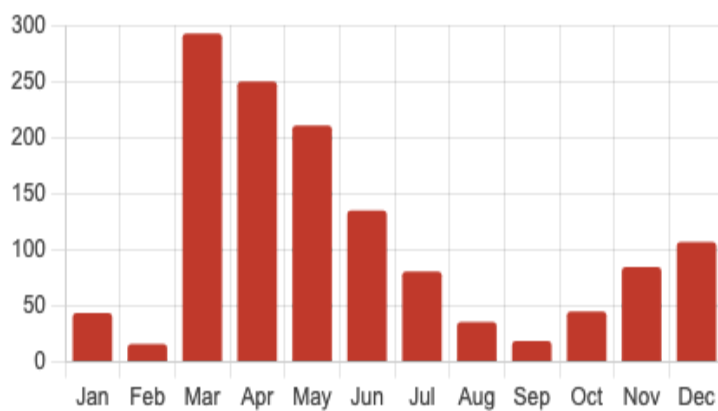
155 reports

Mar

PEAK MONTH

293 reports

MONTHLY DISTRIBUTION



TOP STATES

#	State	Reports
1	MS	155
2	AL	139
3	TX	136
4	FL	82
5	MN	74
6	LA	71
7	KS	70
8	IA	59
9	GA	55
10	AR	48

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

7,948

HAIL REPORTS

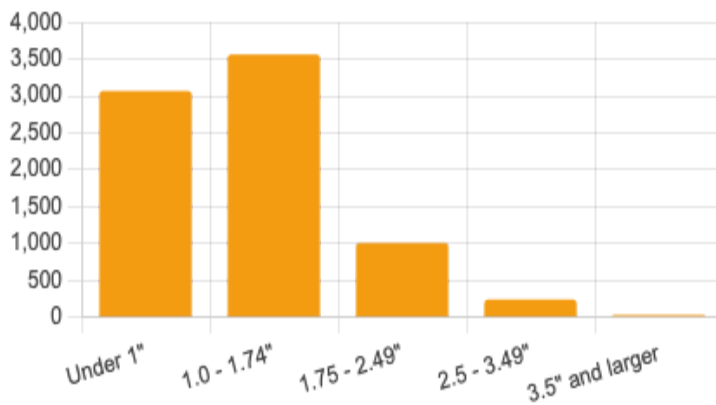
5.5"

LARGEST RECORDED

558

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

SIZE DISTRIBUTION



TOP STATES

#	State	Reports
1	NE	630
2	MN	616
3	TX	592
4	KS	506
5	SD	330
6	WI	328
7	MT	327
8	FL	270
9	MO	258
10	CO	243

Wind Events

45,537

WIND REPORTS
Damaging & measured gusts

160 mph

STRONGEST GUST REPORTED

1,142

REPORTS ≥ 75 MPH
Hurricane-force threshold

BY WIND TYPE

Type	Reports
Non-Tstm Wnd Gst	24,267
Tstm Wnd Dmg	12,866
Tstm Wnd Gst	5,954

TOP STATES

#	State	Reports
1	UT	4,268
2	MT	2,987
3	SD	2,814

Type	Reports
Non-Tstm Wnd Dmg	2,036
High Sust Winds	414

#	State	Reports
4	CO	2,261
5	WY	2,190
6	CA	1,855
7	MI	1,798
8	ID	1,494
9	VA	1,435
10	NE	1,369

Winter Weather

66,455

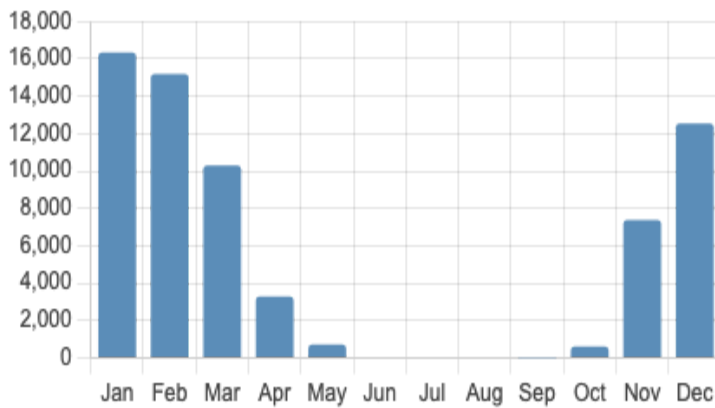
TOTAL WINTER WEATHER REPORTS

63,334

SNOW REPORTS

Including heavy snow events

MONTHLY DISTRIBUTION



BY EVENT TYPE

Event	Reports
Snow	56,861
Heavy Snow	6,473
Freezing Rain	1,974
Sleet	596
Blizzard	288
Ice Storm	263

TOP STATES

#	State	Reports
1	CO	9,587
2	NY	3,745
3	MN	3,712
4	MI	3,249
5	WI	3,110
6	PA	2,885
7	WY	2,404

#	State	Reports
8	IL	2,397

Flood & Flash Flood Reports

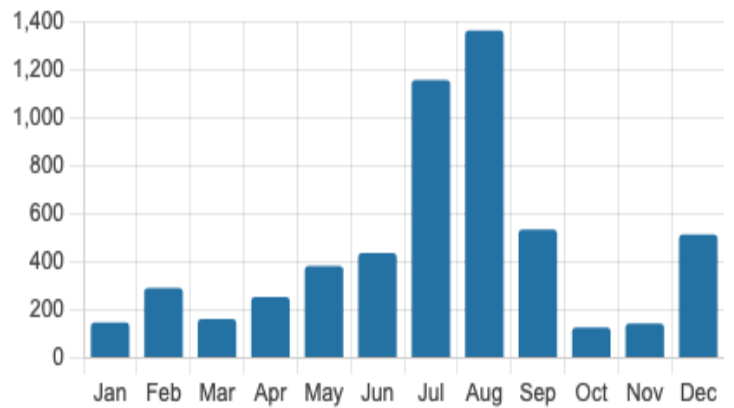
5,518

FLOOD REPORTS (ALL TYPES)

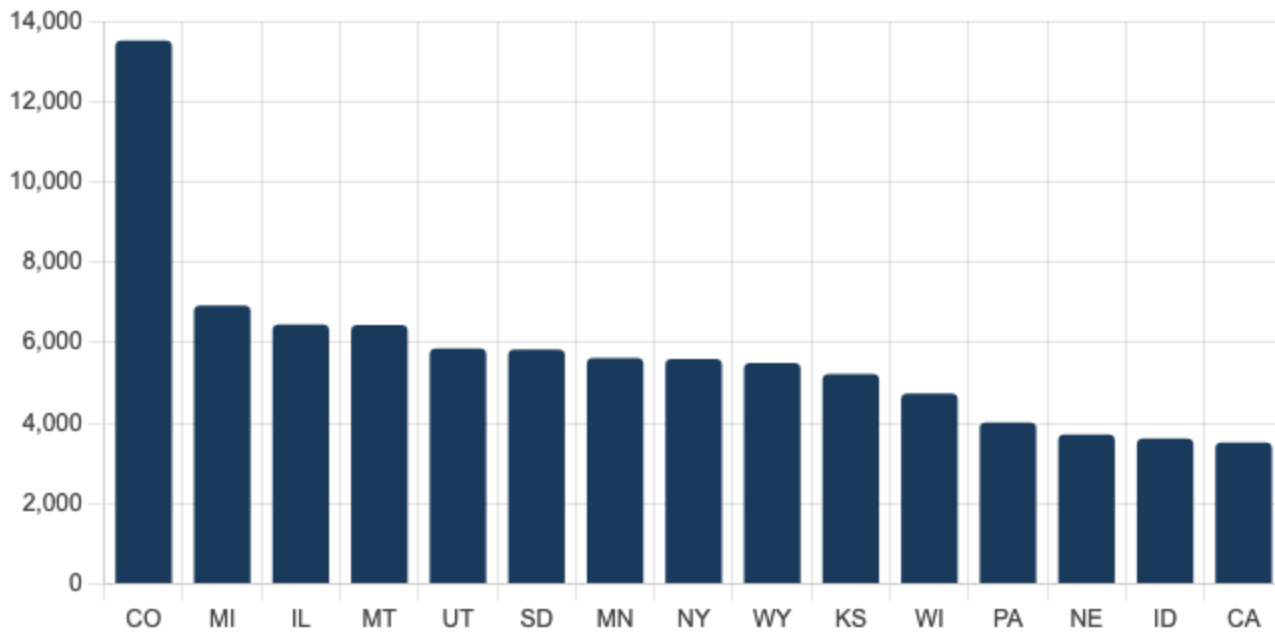
BY EVENT TYPE

Event	Reports
Flash Flood	3,282
Flood	1,873
Coastal Flood	363

MONTHLY DISTRIBUTION



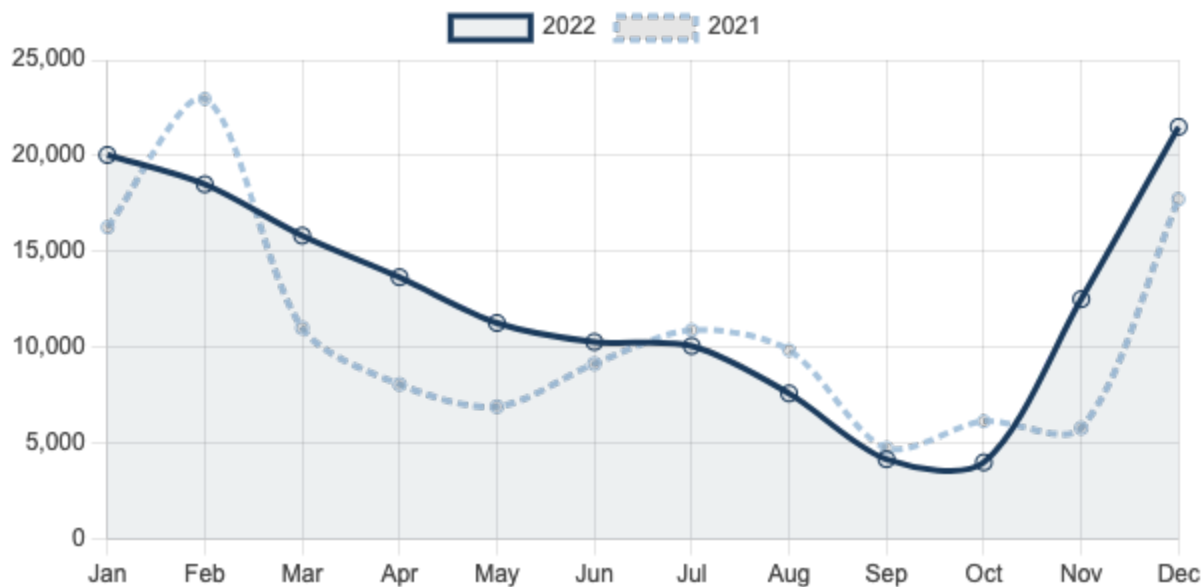
Geographic Distribution — Top States



#	State	Storm Reports	% of Total
1	CO	13,528	9.0%

#	State	Storm Reports	% of Total
2	MI	6,931	4.6%
3	IL	6,457	4.3%
4	MT	6,450	4.3%
5	UT	5,864	3.9%
6	SD	5,843	3.9%
7	MN	5,623	3.8%
8	NY	5,608	3.8%
9	WY	5,507	3.7%
10	KS	5,227	3.5%
11	WI	4,748	3.2%
12	PA	4,022	2.7%
13	NE	3,730	2.5%
14	ID	3,621	2.4%
15	CA	3,527	2.4%
16	OH	3,443	2.3%
17	TX	3,365	2.3%
18	FL	3,350	2.2%
19	NM	3,000	2.0%
20	VA	2,946	2.0%

Monthly Storm Report Activity



Month	2022 Reports	2021 Reports	Change
Jan	20,046	16,274	+23%
Feb	18,517	22,972	-19%
Mar	15,835	11,022	+44%
Apr	13,667	8,076	+69%
May	11,279	6,912	+63%
Jun	10,290	9,147	+12%
Jul	10,078	10,909	-8%
Aug	7,602	9,854	-23%
Sep	4,173	4,759	-12%
Oct	4,008	6,154	-35%
Nov	12,522	5,796	+116%
Dec	21,512	17,740	+21%

About This Report

This report summarizes storm spotter reports and NWS weather alerts collected by iAlert for calendar year 2022. 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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