Storm Data and Unusual Weather Phenomena - January 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details

ARKANSAS, Northwest

WASHINGTON COUNTY --- FAYETTEVILLE [36.07, -94.17]

	01/11/23 21:57 CST	0	Hail (0.88 in)
	01/11/23 21:57 CST	0	Source: Broadcast Media

Scattered strong thunderstorms developed into portions of northwestern Arkansas during the evening of the 11th, as a strong upper level disturbance and associated dry line moved into the region from the west. The strongest storms produced hail up to nickel size.

(AR-Z001) BENTON, (AR-Z002) CARROLL, (AR-Z010) WASHINGTON, (AR-Z011) MADISON, (AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN

	01/24/23 14:00 CST	0.32M	Winter Storm
	01/25/23 04:30 CST	0	

A strong upper level disturbance translated from far west Texas through the Southern Plains on the 24th and 25th. Precipitation began as rain across the area during the morning of the 24th, but changed to snow during the afternoon and evening. Some of the snow was heavy at times, resulting in a swath of snow from four to ten inches across much of northwestern Arkansas. The heavy, wet snow snapped tree limbs onto power lines, and resulted in widespread power outages.

(AR-Z001) BENTON, (AR-Z002) CARROLL, (AR-Z010) WASHINGTON, (AR-Z011) MADISON, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN

	01/30/23 10:00 CST	0	Winter Storm
	01/31/23 14:30 CST	0	

Arctic air spread into northwestern Arkansas on the 29th, setting the stage for a wintry weather pattern, as multiple upper level disturbances passed through the Southern Plains from the 30th through the 31st. The first disturbance brought showers and thunderstorms to the region during the morning and afternoon of the 30th. A shallow layer of above freezing temperatures several thousand feet above the ground, combined with very cold sub-freezing temperatures just above the ground, resulted in partial melting and then refreezing of precipitation into sleet. Heavy sleet occurred in the thunderstorms, producing from 0.5" to 1.25" accumulations across portions of northwest Arkansas. Heavy freezing rain occurred across portions of west central Arkansas. The next system brought a return of sleet and freezing rain to the area during the morning and afternoon of the 31st. Once again, some heavy sleet occurred in the thunderstorms. Light amounts of wintry precipitation, including freezing drizzle, light freezing rain, and sleet, continued through the 31st.

OKLAHOMA, Eastern

(OK-Z054) OSAGE, (OK-Z055) WASHINGTON, (OK-Z056) NOWATA, (OK-Z057) CRAIG, (OK-Z058) OTTAWA, (OK-Z059) PAWNEE, (OK-Z060) TULSA, (OK-Z061) ROGERS, (OK-Z062) MAYES, (OK-Z063) DELAWARE, (OK-Z064) CREEK, (OK-Z065) OKFUSKEE, (OK-Z066) OKMULGEE, (OK-Z067) WAGONER, (OK-Z068) CHEROKEE, (OK-Z070) MUSKOGEE, (OK-Z071) MCINTOSH, (OK-Z073) PITTSBURG

	01/01/23 00:00 CST	0	Drought
	01/31/23 23:59 CST	0	

Precipitation ranged from 0.5 inches to 5 inches across eastern Oklahoma during January, which equated to as little as 25 percent of normal precipitation for the month to as much as 200 percent of normal for the month. Overall, most of the area, except for narrow swaths across east central Oklahoma, received below normal precipitation in January, which allowed long-term drought conditions to persist. Exceptional drought (D4) conditions continued across portions of Osage and Okfuskee Counties. Severe (D2) to extreme (D3) drought conditions persisted across much of the remainder of eastern Oklahoma through the month along and to the west of a line from Miami to Muskogee to McAlester. Monetary damage estimates as a result of the drought were not available.

TULSA COUNTY --- BROKEN ARROW [36.05, -95.78]

	01/02/23 16:33 CST	0	Hail (0.75 in)
	01/02/23 16:33 CST	0	Source: Emergency Manager

OSAGE COUNTY --- 2.6 SE CARTER NINE [36.72, -96.62], 2.6 SE CARTER NINE [36.72, -96.62]

	01/02/23 16:37 CST	0	Tornado (EFU, L: 0.10 mi , W: 100 yd)
	01/02/23 16:38 CST	0	Source: Storm Chaser

A tornado was witnessed by multiple people from multiple locations. The tornado was over open country, and no known damage occurred.

MAYES COUNTY --- 2.5 SSW GREEN [36.35, -95.30], 3.1 ENE GREEN [36.40, -95.23]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	01/02/23 17:32 CST		50K	Tornado (EF0, L: 5.30 mi , W: 700 yd)
	01/02/23 17:43 CST		0	Source: NWS Storm Survey

This tornado developed just east of Highway 69 and south of the 460 Road. Two outbuildings were damaged as it moved northeast across the 460 Road, and another outbuilding was destroyed as it crossed the 450 Road. The tornado then moved over the Oklahoma Mesonet Pryor station, which measured an 81 mph wind gust. The tornado continued moving northeast across the 440 Road and then the 430 Road, where the roof and siding of a home were damaged. It dissipated over open country north of the 430 Road and west of the N 437 Road. Based on this damage, maximum estimated wind in the tornado was 80 to 85 mph.

MCINTOSH COUNTY --- 4.0 SSW ONAPA [35.35, -95.58]

01/02/23 17:49 CST	0	Hail (1.00 in)
01/02/23 17:49 CST	0	Source: Public

MCINTOSH COUNTY --- 2.5 SSW TEXANNA [35.32, -95.47], 5.3 SSE SHADY GROVE [35.41, -95.37]

01/02/23 17:52 CST	0.10M	Tornado (EF1, L: 8.60 mi , W: 650 yd)
01/02/23 18:05 CST	0	Source: NWS Storm Survey

This tornado developed near the Lake Eufaula shoreline near the 4240 Road, where large tree limbs were snapped. The tornado moved northeast across Texanna Road, destroying storage buildings, damaging homes, destroying a camper trailer, and uprooting trees, then moved across the Duchess Creek arm of the lake. It moved back onshore and across the 1120 Road, where trees were uprooted and an outbuilding was destroyed. The tornado then damaged trees as it crossed the 1110 Road, and dissipated east of the 4290 Road and west of the Muskogee County line. Based on this damage, maximum estimated wind in the tornado was 85 to 95 mph.

MCINTOSH COUNTY --- 1.9 WNW SHADY GROVE [35.49, -95.45]

01/02/23 17:55 CST	15K	Hail (1.50 in)
01/02/23 17:55 CST	0	Source: Public

Ping pong ball size hail damaged vehicles and homes.

MCINTOSH COUNTY --- 5.0 E RENTIESVILLE [35.52, -95.41]

01/02/23 18:06 CST	0	Hail (0.88 in)
01/02/23 18:06 CST	0	Source: Emergency Manager

OTTAWA COUNTY --- 3.3 SSW FAIRLAND [36.71, -94.87], 2.7 SSW FAIRLAND [36.71, -94.87]

01/02/23 18:23 CST	75K	Tornado (EF1, L: 0.60 mi , W: 200 yd)
01/02/23 18:25 CST	0	Source: Emergency Manager

This brief tornado developed near the 560 Road, south of the 210 Road, where several outbuildings were damaged or destroyed, and large tree limbs were snapped. The tornado moved northeast and uprooted trees, before dissipating prior to reaching the 210 Road. Based on this damage, maximum estimated wind in the tornado was 90 to 95 mph.

MUSKOGEE COUNTY --- 2.6 N MC LAIN [35.61, -95.27]

01/02/23 18:30 CST	10K	Thunderstorm Wind (EG 61 kt)
01/02/23 18:30 CST	0	Source: Emergency Manager

Strong thunderstorm wind blew the roof from a barn.

CHEROKEE COUNTY --- 7.0 SSE HULBERT [35.84, -95.10]

01/02/23 18:39 CST	0	Hail (1.00 in)
01/02/23 18:39 CST	0	Source: Amateur Radio

CHEROKEE COUNTY --- 7.0 SSE HULBERT [35.84, -95.10]

01/02/23 18:39 CST	0	Thunderstorm Wind (EG 65 kt)
01/02/23 18:39 CST	0	Source: Amateur Radio

Strong thunderstorm wind blew down trees.

SEQUOYAH COUNTY --- 3.1 SSE MITCH [35.41, -94.97], 4.0 WNW SADIE [35.41, -94.93]

01/02/23 19:25 CST	0	Tornado (EFU, L: 2.50 mi , W: 200 yd)
01/02/23 19:30 CST	0	Source: Storm Chaser

Storm Data and Unusual Weather Phenomena - January 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details

Multiple people witnessed a tornado near Tamaha. The tornado appears to have developed over, and remained on, Robert S Kerr Reservoir. No known damage occurred.

Unseasonably warm, moist, and unstable air was in place across eastern Oklahoma on January 2nd, ahead of an approaching cold front and strong upper level disturbance. Strong to severe thunderstorms developed into and across eastern Oklahoma during the afternoon and evening. The moderately unstable air combined with strong deep-layer and low-level wind shear resulted in the evolution of some of the thunderstorms into supercells. Several of these supercells produced tornadoes, along with large hail up to ping pong ball size and damaging wind gusts.

LATIMER COUNTY --- 1.4 ESE YANUSH [34.70, -95.30]

	01/11/23 19:24 CST	0	Hail (0.75 in)
	01/11/23 19:24 CST	0	Source: Public

PUSHMATAHA COUNTY --- 4.8 N ALBION [34.74, -95.10]

	01/11/23 19:35 CST	0	Hail (0.88 in)
	01/11/23 19:35 CST	0	Source: Trained Spotter

LE FLORE COUNTY --- 0.8 WSW HEAVENER ARPT [34.91, -94.61]

	01/11/23 20:15 CST	0	Hail (1.00 in)
	01/11/23 20:15 CST	0	Source: Broadcast Media

LE FLORE COUNTY --- HOWE [34.95, -94.63]

	01/11/23 20:18 CST	15K	Hail (1.50 in)
	01/11/23 20:18 CST	0	Source: Broadcast Media

Ping pong ball size hail damaged vehicles and homes.

Scattered strong to severe thunderstorms developed over portions of eastern Oklahoma during the evening of the 11th, as a strong upper level disturbance and associated dry line moved into the region from the west. The combination of weak instability and very strong wind shear resulted in a long-lived supercell that produced large hail up to ping pong ball size.

(OK-Z049) PUSHMATAHA, (OK-Z063) DELAWARE, (OK-Z065) OKFUSKEE, (OK-Z066) OKMULGEE, (OK-Z068) CHEROKEE, (OK-Z069) ADAIR, (OK-Z070) MUSKOGEE, (OK-Z071) MCINTOSH, (OK-Z072) SEQUOYAH, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE FLORE

	01/24/23 13:00 CST	45K	Winter Storm
	01/25/23 03:00 CST	0	

A strong upper level disturbance translated from far west Texas through the Southern Plains on the 24th and 25th. Precipitation began as rain across the area during the morning of the 24th, but changed to snow during the afternoon and evening. Some of the snow was heavy at times, resulting in a swath of snow from four to eight inches across portions of northeastern, east central, and southeastern Oklahoma. The heavy, wet snow snapped tree limbs onto power lines, and resulted in some power outages.

(OK-Z049) PUSHMATAHA, (OK-Z060) TULSA, (OK-Z063) DELAWARE, (OK-Z064) CREEK, (OK-Z065) OKFUSKEE, (OK-Z066) OKMULGEE, (OK-Z067) WAGONER, (OK-Z068) CHEROKEE, (OK-Z069) ADAIR, (OK-Z070) MUSKOGEE, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE FLORE

	01/30/23 08:00 CST	0	Winter Storm
	01/31/23 14:30 CST	0	

Arctic air spread into eastern Oklahoma on the 29th, setting the stage for a wintry weather pattern, as multiple upper level disturbances passed through the Southern Plains from the 30th through the 31st. The first disturbance brought showers and thunderstorms to the region during the morning and afternoon of the 30th. A shallow layer of above freezing temperatures several thousand feet above the ground, combined with very cold sub-freezing temperatures just above the ground, resulted in partial melting and then refreezing of precipitation into sleet. Heavy sleet occurred in the thunderstorms, producing from 0.5" to 1.25" accumulations across portions of eastern Oklahoma. The next system brought a return of sleet to the area during the morning and afternoon of the 31st. Once again, some heavy sleet occurred in the thunderstorms. Light amounts of wintry precipitation, including freezing drizzle, light freezing rain, and sleet, continued through the 31st.