

## Storm Data and Unusual Weather Phenomena - October 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>OKLAHOMA, Eastern</b>				
<b>(OK-Z049) PUSHMATAHA, (OK-Z053) CHOCTAW, (OK-Z054) OSAGE, (OK-Z055) WASHINGTON, (OK-Z056) NOWATA, (OK-Z059) PAWNEE, (OK-Z073) PITTSBURG</b>				
	10/01/23 00:00 CST		0	Drought
	10/31/23 23:59 CST		0	
<p>Despite a couple rounds of locally heavy rainfall across eastern Oklahoma during October, much of the area received below average rainfall for the month. Generally, much of the region received between three and five inches of rain, with some areas receiving from six to eight inches. However, there were large areas of northeastern Oklahoma that received less than three inches of rain during the month. As a result of the rainfall pattern this month, some areas of eastern Oklahoma received up to 200 percent of normal average rainfall, while areas of northeastern Oklahoma received from 25 to 50 percent of normal average rainfall. The long-term drought conditions improved across much of southeastern Oklahoma from extreme (D3) drought conditions to severe (D2) drought conditions, and much of the extreme (D3) drought conditions across portions of Osage and Washington Counties improved to severe (D2) drought conditions. Severe (D2) drought conditions also persisted across portions of Nowata and Pawnee Counties. Monetary damage estimates as a result of the drought were not available.</p>				
<b>MCINTOSH COUNTY --- 3.5 ENE TEXANNA [35.36, -95.39]</b>				
	10/04/23 14:35 CST		0	Hail (0.75 in)
	10/04/23 14:35 CST		0	Source: Emergency Manager
<b>CHOCTAW COUNTY --- 4.0 WSW GAY [33.93, -95.68]</b>				
	10/04/23 15:34 CST		0	Thunderstorm Wind (EG 70 kt)
	10/04/23 15:34 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down numerous trees, some blocked county roads.				
<b>PITTSBURG COUNTY --- 0.9 SSW REAMS [35.06, -95.71]</b>				
	10/04/23 15:36 CST		0	Thunderstorm Wind (MG 53 kt)
	10/04/23 15:36 CST		0	Source: Emergency Manager
Thunderstorm wind gusts were measured to 61 mph near the intersection of Shady Grove Road and Highway 69, northeast of McAlester.				
<b>CHOCTAW COUNTY --- 1.3 W GAY [33.95, -95.64]</b>				
	10/04/23 15:40 CST		0	Thunderstorm Wind (EG 70 kt)
	10/04/23 15:40 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down numerous trees near the Muddy Boggy bridge.				
<b>CHOCTAW COUNTY --- 0.6 W GAY [33.95, -95.63]</b>				
	10/04/23 15:41 CST		0	Thunderstorm Wind (EG 70 kt)
	10/04/23 15:41 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down numerous trees, some blocked county roads.				
<b>CHOCTAW COUNTY --- 0.9 NNE GRANT [33.94, -95.52]</b>				
	10/04/23 16:09 CST		0	Hail (0.75 in)
	10/04/23 16:09 CST		0	Source: Public
<b>TULSA COUNTY --- 1.0 ENE GLENPOOL [35.96, -95.98]</b>				
	10/04/23 16:25 CST		25K	Hail (1.25 in)
	10/04/23 16:25 CST		0	Source: Public
Half dollar size hail damaged homes and vehicles.				
<b>TULSA COUNTY --- 3.0 WNW BIXBY [35.97, -95.93]</b>				
	10/04/23 16:34 CST		0	Hail (1.00 in)
	10/04/23 16:34 CST		0	Source: Public
<b>TULSA COUNTY --- 3.0 SSW BROKEN ARROW [36.01, -95.80]</b>				

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	10/04/23 16:44 CST		0	Hail (0.75 in)
	10/04/23 16:44 CST		0	Source: Public
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<b>TULSA COUNTY --- 1.9 WSW BROKEN ARROW [36.04, -95.81]</b>				
	10/04/23 16:45 CST		20K	Thunderstorm Wind (EG 61 kt)
	10/04/23 16:45 CST		0	Source: Broadcast Media
Strong thunderstorm wind snapped a large tree limb onto a house.				
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<b>TULSA COUNTY --- 2.3 WSW BROKEN ARROW [36.03, -95.82]</b>				
	10/04/23 16:45 CST		0	Thunderstorm Wind (EG 56 kt)
	10/04/23 16:45 CST		0	Source: NWS Employee
Strong thunderstorm wind snapped numerous large tree limbs.				
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<b>TULSA COUNTY --- 3.0 SW BROKEN ARROW [36.02, -95.82]</b>				
	10/04/23 16:50 CST		0	Hail (0.88 in)
	10/04/23 16:50 CST		0	Source: Broadcast Media
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<b>TULSA COUNTY --- 1.6 SW BROKEN ARROW [36.03, -95.80]</b>				
	10/04/23 16:51 CST		0	Hail (0.88 in)
	10/04/23 16:51 CST		0	Source: Emergency Manager
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<b>WAGONER COUNTY --- 5.6 NNE BROKEN ARROW [36.12, -95.73]</b>				
	10/04/23 17:04 CST		30K	Hail (1.50 in)
	10/04/23 17:04 CST		0	Source: Public
Ping pong ball size hail damaged homes and vehicles.				
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<b>CREEK COUNTY --- 0.6 SSW NEW MANNFORD [36.12, -96.35]</b>				
	10/04/23 17:34 CST		0	Thunderstorm Wind (EG 56 kt)
	10/04/23 17:34 CST		0	Source: Amateur Radio
Thunderstorm wind gusts were estimated to 65 mph by a ham radio operator in Mannford.				
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<b>ROGERS COUNTY --- 1.0 SSW TIAWAH [36.26, -95.58], 1.0 SW TIAWAH [36.26, -95.58]</b>				
	10/04/23 17:35 CST		25K	Thunderstorm Wind (EG 70 kt)
	10/04/23 17:45 CST		0	Source: NWS Employee
Strong thunderstorm wind uprooted trees, damaged the roofs of homes, and snapped numerous large tree limbs.				
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<b>TULSA COUNTY --- 1.3 SE TULSA [36.14, -95.93]</b>				
	10/04/23 18:05 CST		5K	Thunderstorm Wind (EG 61 kt)
	10/04/23 18:10 CST	2	0	Source: Emergency Manager
Strong thunderstorm wind blew down a sign at the Tulsa State Fair, injuring two teenagers.				
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<b>TULSA COUNTY --- 3.1 SSE TULSA [36.11, -95.93]</b>				
	10/04/23 18:05 CST		0	Thunderstorm Wind (EG 56 kt)
	10/04/23 18:05 CST		0	Source: Storm Chaser
Strong thunderstorm wind snapped numerous large tree limbs.				
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<b>TULSA COUNTY --- 4.0 SW TULSA [36.11, -96.00]</b>				
	10/04/23 18:05 CST		0	Thunderstorm Wind (EG 56 kt)
	10/04/23 18:05 CST		0	Source: Public
Strong thunderstorm wind snapped numerous large tree limbs.				
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<b>TULSA COUNTY --- 3.0 NE JENKS [36.05, -95.93]</b>				

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	10/04/23 18:07 CST		0	Thunderstorm Wind (EG 56 kt)
	10/04/23 18:07 CST		0	Source: Public

Strong thunderstorm wind snapped numerous large tree limbs.

<b>TULSA COUNTY --- (TUL)TULSA INTL ARPT [36.20, -95.88]</b>				
	10/04/23 18:14 CST		0	Thunderstorm Wind (MG 57 kt)
	10/04/23 18:14 CST		0	Source: ASOS

The ASOS at the Tulsa International Airport measured 66 mph thunderstorm wind gusts.

<b>TULSA COUNTY --- 1.5 SSE OWASSO [36.25, -95.84]</b>				
	10/04/23 18:15 CST		2K	Thunderstorm Wind (EG 56 kt)
	10/04/23 18:15 CST		0	Source: Law Enforcement

Strong thunderstorm wind blew down power lines across E 66th St N, on the southeast side of Owasso.

<b>TULSA COUNTY --- 1.2 ENE OWASSO [36.28, -95.83]</b>				
	10/04/23 18:18 CST		2K	Thunderstorm Wind (EG 56 kt)
	10/04/23 18:18 CST		0	Source: Law Enforcement

Strong thunderstorm wind snapped large tree limbs and blew down power lines on E 86th St N and N 129th E Ave.

<b>ROGERS COUNTY --- 6.6 NNW CATOOSA [36.26, -95.81]</b>				
	10/04/23 18:20 CST		5K	Thunderstorm Wind (EG 70 kt)
	10/04/23 18:25 CST		0	Source: Law Enforcement

Strong thunderstorm wind blew down multiple trees and snapped power poles on E 76th St N, on east side of Owasso.

<b>ROGERS COUNTY --- 3.5 N CATOOSA [36.23, -95.76]</b>				
	10/04/23 18:24 CST		2K	Thunderstorm Wind (EG 56 kt)
	10/04/23 18:24 CST		0	Source: Public

Strong thunderstorm wind snapped large tree limbs, and blew down power lines.

**Strong to severe thunderstorms developed across eastern Oklahoma during the afternoon and early evening hours of the 4th, with two primary focusing boundaries to support the development across the area. An outflow boundary from earlier thunderstorm activity stretched across east-central Oklahoma, while a cold front moved into the area from the northwest. The air mass became moderately unstable, and the deep-layer wind shear was strong across the region, supporting the development of organized and persistent, intense thunderstorms. The strongest thunderstorms produced large hail up to ping pong ball size, and damaging wind gusts.**