

Storm Data and Unusual Weather Phenomena - May 2023

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

CRAWFORD COUNTY --- ALMA [35.48, -94.23]

	05/14/23 19:01 CST	0		Thunderstorm Wind (MG 52 kt)
	05/14/23 19:01 CST	0		Source: Trained Spotter

Thunderstorm wind gusts were measured to 60 mph.

Strong to severe thunderstorms developed into northwest Arkansas during the evening of the 14th. The strongest storms produced damaging wind gusts.

SEBASTIAN COUNTY --- 2.0 S EXCELSIOR [35.17, -94.33]

	05/19/23 17:25 CST	0		Thunderstorm Wind (EG 61 kt)
	05/19/23 17:25 CST	0		Source: NWS Storm Survey

Strong thunderstorm wind snapped large tree limbs.

SEBASTIAN COUNTY --- DAYTON [35.12, -94.23]

	05/19/23 17:40 CST	0		Thunderstorm Wind (EG 61 kt)
	05/19/23 17:40 CST	0		Source: Amateur Radio

Strong thunderstorm wind blew down a couple trees.

SEBASTIAN COUNTY --- 2.0 SSW CROSSROADS [35.09, -94.21]

	05/19/23 17:43 CST	0		Thunderstorm Wind (EG 61 kt)
	05/19/23 17:43 CST	0		Source: Amateur Radio

Strong thunderstorm wind blew down a tree onto a road.

SEBASTIAN COUNTY --- CROSSROADS [35.12, -94.20]

	05/19/23 17:43 CST	0		Thunderstorm Wind (EG 61 kt)
	05/19/23 17:43 CST	0		Source: NWS Storm Survey

Strong thunderstorm wind snapped large tree limbs.

Strong to severe thunderstorms developed across portions of northwest Arkansas during the early evening of the 19th, as a cold front moved into the area. The strongest storms produced damaging wind gusts.

OKLAHOMA, Eastern

(OK-Z054) OSAGE, (OK-Z055) WASHINGTON, (OK-Z056) NOWATA, (OK-Z057) CRAIG, (OK-Z059) PAWNEE

	05/01/23 00:00 CST	0		Drought
	05/31/23 23:59 CST	0		

A number of rainfall events affected eastern Oklahoma during May, but widespread rainfall was lacking across the area during this normally wet month. Rainfall amounts across the area ranged from about 1.5 inches to nearly 8 inches, but these heavier amounts were very localized. Subsequently, most of eastern Oklahoma received below average rainfall amounts for the month, with some areas of northeastern Oklahoma only receiving between 25 and 50 percent of normal average rainfall amounts. As a result, the long-term drought conditions continued across portions of northeastern Oklahoma, namely north of I-44. Exceptional (D4) drought conditions persisted across portions of Osage County, while extreme (D3) drought conditions persisted across portions of Pawnee and Washington Counties. Severe (D2) drought conditions continued across portions of Craig and Nowata Counties. Monetary damage estimates as a result of the drought were not available.

PITTSBURG COUNTY --- PITTSBURG [34.72, -95.85]

	05/06/23 22:20 CST	5K		Thunderstorm Wind (EG 56 kt)
	05/06/23 22:20 CST	0		Source: Public

Strong thunderstorm wind blew the roof off a barn.

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PITTSBURG COUNTY --- (MLC)MC ALESTER MUNI [34.88, -95.78]				
	05/06/23 22:27 CST		0	Thunderstorm Wind (MG 55 kt)
	05/06/23 22:38 CST		0	Source: ASOS
The ASOS at the McAlester Regional Airport measured thunderstorm wind gusts up to 63 mph.				
HASKELL COUNTY --- 3.0 ENE WHITEFIELD [35.27, -95.18]				
	05/06/23 23:15 CST		0	Thunderstorm Wind (MG 60 kt)
	05/06/23 23:15 CST		0	Source: Mesonet
The Oklahoma Mesonet station near Stigler measured 69 mph thunderstorm wind gusts.				
MUSKOGEE COUNTY --- 1.3 ESE WARNER [35.49, -95.28]				
	05/06/23 23:28 CST		0	Thunderstorm Wind (EG 52 kt)
	05/06/23 23:28 CST		0	Source: Emergency Manager
Thunderstorm wind gusts were estimated to 60 mph.				
Strong to severe thunderstorms developed across northern Texas and south central Oklahoma during the evening of the 6th. These storms moved east and northeast into eastern Oklahoma during the late evening hours. The strongest storms produced damaging wind gusts.				
(OK-Z065) OKFUSKEE				
	05/06/23 23:25 CST		0	High Wind (MAX 50 kt)
	05/06/23 23:35 CST		0	
A strong pressure gradient developed over eastern Oklahoma during the afternoon and evening of the 6th, in response to deepening low pressure over the High Plains to the west with the approach of an upper level disturbance. Downdrafts associated with weak rain showers, which developed north of strong to severe thunderstorms across southeastern Oklahoma, were able to enhance the already strong gradient wind near the ground. The Oklahoma Mesonet station near Okemah measured 58 mph wind gusts.				
TULSA COUNTY --- (TUL)TULSA INTL ARPT [36.20, -95.88]				
	05/09/23 19:04 CST		0	Thunderstorm Wind (MG 51 kt)
	05/09/23 19:04 CST		0	Source: ASOS
The ASOS at the Tulsa International Airport measured 59 mph thunderstorm wind gusts.				
A squall line developed over northwestern Kansas during the late morning of the 9th, and translated southeast across the state during the day. The line of storms moved into northeastern Oklahoma during the evening. The strongest storm in the line produced 59 mph wind gusts.				
PITTSBURG COUNTY --- 4.0 W WHITE SWITCH [34.88, -96.07]				
	05/11/23 22:40 CST		0	Thunderstorm Wind (MG 57 kt)
	05/11/23 22:40 CST		0	Source: Mesonet
The Oklahoma Mesonet station near Stuart measured 66 mph thunderstorm wind gusts.				
PITTSBURG COUNTY --- (MLC)MC ALESTER MUNI [34.88, -95.78]				
	05/11/23 23:21 CST		0	Thunderstorm Wind (MG 56 kt)
	05/11/23 23:21 CST		0	Source: ASOS
The ASOS at the McAlester Regional Airport measured 64 mph thunderstorm wind gusts.				
PITTSBURG COUNTY --- KREBS [34.92, -95.72]				
	05/11/23 23:30 CST		2K	Thunderstorm Wind (EG 61 kt)
	05/11/23 23:30 CST		0	Source: Public
Strong thunderstorm wind blew down a tree onto power lines.				
WASHINGTON COUNTY --- 3.0 NE OCHELATA [36.63, -95.94]				
	05/11/23 23:37 CST		0	Hail (1.00 in)
	05/11/23 23:37 CST		0	Source: Public

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Strong to severe thunderstorms developed over central and southwestern Oklahoma during the afternoon of the 11th, as a dry line sharpened across the area. These thunderstorms moved east and northeast across eastern Oklahoma during the late evening. The strongest storms produced damaging wind gusts and large hail up to quarter size.

PAWNEE COUNTY --- 1.0 W PAWNEE [36.33, -96.82]

	05/12/23 21:50 CST		5K	Thunderstorm Wind (EG 61 kt)
	05/12/23 21:50 CST		0	Source: Public

Strong thunderstorm wind damaged a carport and blew down a tree.

OSAGE COUNTY --- 1.1 W PAWHUSKA ARPT [36.67, -96.44]

	05/12/23 21:53 CST		0	Hail (1.00 in)
	05/12/23 21:53 CST		0	Source: Public

Strong to severe thunderstorms developed over north central Oklahoma during the afternoon of the 12th, near a dry line that sharpened over the area. Thunderstorms gradually developed into northeastern Oklahoma during the late evening. The strongest storms produced large hail up to quarter size and damaging wind.

TULSA COUNTY --- 3.0 ESE JENKS [36.00, -95.92]

	05/13/23 17:16 CST		0	Hail (0.75 in)
	05/13/23 17:16 CST		0	Source: Public

Strong thunderstorms developed over eastern Oklahoma during the evening of the 13th, ahead of a cold front that moved into the region. The strongest storms produced hail up to penny size.

CHOCTAW COUNTY --- BOSWELL [34.03, -95.87]

	05/19/23 12:43 CST		30K	Hail (1.75 in)
	05/19/23 12:43 CST		0	Source: Emergency Manager

Golf ball size hail damaged homes and vehicles.

CHOCTAW COUNTY --- 1.0 S UNGER [34.02, -95.78]

	05/19/23 13:00 CST		25K	Hail (1.75 in)
	05/19/23 13:00 CST		0	Source: Emergency Manager

Golf ball size hail damaged vehicles and homes.

Severe thunderstorms developed across portions of southeastern Oklahoma during the early afternoon of the 19th, along an outflow boundary that settled into the area from thunderstorms that occurred to the north during the morning. The strongest storms produced large hail to golf ball size.