

Storm Data and Unusual Weather Phenomena - July 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ARKANSAS, Northwest				
BENTON COUNTY --- CAVE SPGS [36.27, -94.23], 1.0 SSE CAVE SPGS [36.26, -94.22]				
	07/03/22 17:10 CST		0	Thunderstorm Wind (EG 56 kt)
	07/03/22 17:10 CST		0	Source: Trained Spotter
Strong thunderstorm wind snapped large tree limbs.				
Scattered thunderstorms developed across northwestern Arkansas during the afternoon and evening of the 3rd. The air mass across the area had become moderately unstable when the storms developed, but the wind shear was weak, which resulted in brief, intense thunderstorms. The strongest thunderstorm produced damaging wind.				
(AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN				
	07/07/22 12:00 CST		0	Excessive Heat
	07/08/22 19:00 CST		0	
A ridge of high pressure in the middle and upper atmosphere developed over the south central United States during early July. Unseasonably hot afternoon temperatures climbing into the 101 to 106 degree range, combined with high humidity, resulted in heat index values from 110 to 115 degrees across much of west central Arkansas on the 7th and 8th.				
WASHINGTON COUNTY --- FARMINGTON [36.03, -94.25]				
	07/17/22 18:41 CST		0.15M	Thunderstorm Wind (EG 61 kt)
	07/17/22 18:41 CST		0	Source: Public
Strong thunderstorm wind damaged several chicken houses. The strong wind also snapped large tree limbs, one of which fell onto a home and resulted in significant damage.				
WASHINGTON COUNTY --- (FYV)FAYETTEVILLE AR [36.00, -94.17]				
	07/17/22 18:52 CST		0	Thunderstorm Wind (MG 52 kt)
	07/17/22 18:52 CST		0	Source: ASOS
The ASOS at Fayetteville's Drake Field measured 60 mph thunderstorm wind gusts.				
FRANKLIN COUNTY --- 1.7 SW ALTUS [35.43, -93.79]				
	07/17/22 22:27 CST		50K	Thunderstorm Wind (EG 70 kt)
	07/17/22 22:27 CST		0	Source: Emergency Manager
Strong thunderstorm wind damaged several outbuildings, damaged the roof of a home, damaged the roof of a school, and blew down trees.				
FRANKLIN COUNTY --- 2.0 S MEG [35.37, -93.87]				
	07/17/22 22:29 CST		0.10M	Thunderstorm Wind (EG 61 kt)
	07/17/22 22:29 CST		0	Source: Emergency Manager
Strong thunderstorm wind damaged several chicken houses, and snapped large tree limbs.				
Strong to severe thunderstorms developed into northwestern Arkansas during the evening of the 17th, along a cold front that moved into the area. The strongest storms produced damaging wind gusts.				
(AR-Z001) BENTON, (AR-Z002) CARROLL, (AR-Z010) WASHINGTON, (AR-Z011) MADISON, (AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN				
	07/19/22 00:00 CST		0	Drought
	07/31/22 23:59 CST		0	
A prolonged period of unseasonably dry weather with very few rain events, combined with unseasonably hot weather, resulted in severe drought (D2) conditions developing by the end of July across all of northwestern Arkansas, and extreme drought (D3) conditions developing across Benton and Carroll Counties, and much of Washington and Madison Counties. Monetary damage estimates as a result of the drought were not available.				
(AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN				
	07/19/22 11:00 CST		0	Excessive Heat
	07/21/22 19:00 CST		0	

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A ridge of high pressure in the middle and upper atmosphere developed over the southern United States during mid July. Unseasonably hot afternoon temperatures reaching 100 to 110 degrees, combined with high humidity, resulted in heat index values in the 110 to 115 degree range across much of west central Arkansas on the 19th through 21st.

WASHINGTON COUNTY --- 0.7 S VINEY GROVE [36.01, -94.33]

07/20/22 07:25 CST	0	Thunderstorm Wind (EG 56 kt)
07/20/22 07:25 CST	0	Source: Public

Strong thunderstorm wind snapped large tree limbs.

High-based showers and thunderstorms developed into northwestern Arkansas during the early morning hours of the 20th. The strongest storm produced damaging wind gusts.

SEBASTIAN COUNTY --- 0.9 NE JENSON [35.21, -94.41]

07/21/22 15:45 CST	0	Thunderstorm Wind (EG 56 kt)
07/21/22 15:45 CST	0	Source: Public

Strong thunderstorm wind snapped large tree limbs.

Strong to severe thunderstorms developed across portions of northwestern Arkansas during the afternoon and evening of the 21st. The thunderstorms were high-based, and had a deep layer of dry air between the cloud bases and the ground, which resulted in an enhancement of the downdraft momentum due to evaporative cooling into the dry air. The strongest storms produced damaging wind gusts.

CARROLL COUNTY --- 1.8 WSW YOCUM [36.41, -93.43]

07/24/22 18:45 CST	0	Thunderstorm Wind (EG 61 kt)
07/24/22 18:45 CST	0	Source: Public

Strong thunderstorm wind blew down several trees.

Widely scattered thunderstorms developed across northwestern Arkansas during the evening of the 24th. The strongest thunderstorm produced damaging wind gusts.

(AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN

07/25/22 11:00 CST	0	Excessive Heat
07/27/22 19:00 CST	0	

A ridge of high pressure in the middle and upper atmosphere restrengthened over the southern United States during late July. Unseasonably hot afternoon temperatures reaching 100 to 110 degrees, combined with high humidity, resulted in heat index values in the 110 to 115 degree range across much of west central Arkansas on the 25th through 27th.

OKLAHOMA, Eastern

(OK-Z049) PUSHMATAHA, (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-Z064) CREEK, (OK-Z065) OKFUSKEE, (OK-Z066) OKMULGEE, (OK-Z067) WAGONER, (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

07/06/22 12:00 CST	0	Excessive Heat
07/08/22 19:00 CST	19	0

A ridge of high pressure in the middle and upper atmosphere developed over the south central United States during early July. Unseasonably hot afternoon temperatures climbing into the 100 to 105 degree range, combined with high humidity, resulted in heat index values from 110 to 116 degrees across much of eastern Oklahoma on the 6th through the 8th. There were at least nineteen heat-related medical calls in the City of Tulsa during this period.

(OK-Z049) PUSHMATAHA, (OK-Z053) CHOCTAW, (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-Z069) ADAIR, (OK-Z070) MUSKOGEE, (OK-Z071) MCINTOSH, (OK-Z072) SEQUOYAH, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE FLORE

07/19/22 00:00 CST	0	Drought
07/31/22 23:59 CST	0	

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A prolonged period of unseasonably dry weather with very few rain events, combined with unseasonably hot weather, resulted in severe drought (D2) conditions developing by the end of July across all of eastern Oklahoma. Extreme drought (D3) conditions developed across much of northeastern Oklahoma north of Highway 412 and east of Highway 75, including portions of Washington, Nowata, Rogers, and Mayes Counties, as well as all of Delaware, Craig and Ottawa Counties. Extreme drought (D3) conditions also developed across much of southeastern Oklahoma, including Choctaw, Pushmataha, and Latimer Counties, as well as portions of Pittsburg, Okfuskee, McIntosh, Haskell and Le Flore Counties. Monetary damage estimates as a result of the drought were not available.

(OK-Z049) PUSHMATAHA, (OK-Z053) CHOCTAW, (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-Z069) ADAIR, (OK-Z070) MUSKOGEE, (OK-Z071) MCINTOSH, (OK-Z072) SEQUOYAH, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE FLORE

07/19/22 11:00 CST	0	Excessive Heat
07/21/22 19:00 CST	29	0

A ridge of high pressure in the middle and upper atmosphere developed over the southern United States during mid July. Unseasonably hot afternoon temperatures reaching 100 to 110 degrees, combined with high humidity, resulted in heat index values in the 110 to 115 degree range across much of eastern Oklahoma on the 19th through 21st. There were at least 29 heat-related medical calls in the City of Tulsa during this period.

LE FLORE COUNTY --- POTEAU [35.05, -94.62]

07/21/22 14:52 CST	5K	Thunderstorm Wind (EG 61 kt)
07/21/22 14:52 CST	0	Source: Social Media

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

MUSKOGEE COUNTY --- 3.5 S MEYER [35.62, -95.42]

07/21/22 14:55 CST	5K	Thunderstorm Wind (EG 65 kt)
07/21/22 14:55 CST	0	Source: Public

Strong thunderstorm wind blew down trees, one of which fell onto a trailer.

SEQUOYAH COUNTY --- 1.0 SSE ROLAND [35.41, -94.51]

07/21/22 15:00 CST	20K	Thunderstorm Wind (EG 65 kt)
07/21/22 15:00 CST	0	Source: Emergency Manager

Strong thunderstorm wind damaged the roof of a home, damaged the roofs of apartment buildings, blew down trees, and snapped power poles.

SEQUOYAH COUNTY --- ROLAND [35.42, -94.52]

07/21/22 15:00 CST	2K	Thunderstorm Wind (EG 65 kt)
07/21/22 15:00 CST	0	Source: Public

Strong thunderstorm wind blew down trees and power poles.

SEQUOYAH COUNTY --- 1.0 SSW MARBLE CITY [35.57, -94.83]

07/21/22 16:05 CST	5K	Thunderstorm Wind (EG 65 kt)
07/21/22 16:05 CST	0	Source: Emergency Manager

Strong thunderstorm wind blew down trees and power poles.

SEQUOYAH COUNTY --- 0.6 N SALLISAW ARPT [35.44, -94.80]

07/21/22 16:10 CST	0	Thunderstorm Wind (MG 54 kt)
07/21/22 16:10 CST	0	Source: Mesonet

The Oklahoma Mesonet station near Sallisaw measured 62 mph thunderstorm wind gusts.

SEQUOYAH COUNTY --- 0.6 NNW SALLISAW ARPT [35.44, -94.80]

07/21/22 16:15 CST	0	Thunderstorm Wind (MG 51 kt)
07/21/22 16:15 CST	0	Source: AWOS

The AWOS at the Sallisaw Municipal Airport measured 59 mph thunderstorm wind gusts.

SEQUOYAH COUNTY --- 1.0 SW SALLISAW [35.46, -94.81]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/21/22 16:15 CST		5K	Thunderstorm Wind (EG 65 kt)
	07/21/22 16:15 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down trees and power poles.				
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WAGONER COUNTY --- 3.4 ENE BROKEN ARROW [36.08, -95.73]				
	07/21/22 17:40 CST		0	Thunderstorm Wind (EG 56 kt)
	07/21/22 17:40 CST		0	Source: Public
Strong thunderstorm wind blew down large tree limbs.				
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WAGONER COUNTY --- 4.0 N ONETA [36.08, -95.72]				
	07/21/22 17:40 CST		0	Hail (0.75 in)
	07/21/22 17:40 CST		0	Source: Public
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WAGONER COUNTY --- 4.0 N ONETA [36.08, -95.72]				
	07/21/22 17:47 CST		0	Hail (1.00 in)
	07/21/22 17:47 CST		0	Source: Public
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WAGONER COUNTY --- 4.6 NE ONETA [36.08, -95.67]				
	07/21/22 17:50 CST		5K	Thunderstorm Wind (EG 61 kt)
	07/21/22 17:50 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down trees and snapped power poles along S 273rd E Avenue, between E 51st Street S and E 71st Street S.				
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WAGONER COUNTY --- 5.0 NE ONETA [36.07, -95.66]				
	07/21/22 17:50 CST		0	Hail (1.13 in)
	07/21/22 17:50 CST		0	Source: NWS Employee
An NWS employee measured hailstones up to 1 1/8 inches in diameter.				
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TULSA COUNTY --- (TUL)TULSA INTL ARPT [36.20, -95.88]				
	07/21/22 18:51 CST		0	Thunderstorm Wind (MG 61 kt)
	07/21/22 18:51 CST		0	Source: ASOS
The ASOS at the Tulsa International Airport measured 70 mph thunderstorm wind gusts.				
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LATIMER COUNTY --- 2.0 S DEGNAN [34.90, -95.35]				
	07/22/22 14:45 CST		0	Thunderstorm Wind (MG 57 kt)
	07/22/22 14:45 CST		0	Source: Mesonet
The Oklahoma Mesonet station near Wilburton measured 66 mph thunderstorm wind gusts.				
<p>Strong to severe thunderstorms developed across portions of eastern Oklahoma during the afternoon and evening of the 21st. The thunderstorms were high-based, and had a deep layer of dry air between the cloud bases and the ground, which resulted in an enhancement of the downdraft momentum due to evaporative cooling into the dry air. A similar environment was in place on the 22nd, with strong to severe thunderstorms once again developing in the afternoon and evening. The strongest storms produced damaging wind gusts.</p>				
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<p>(OK-Z049) PUSHMATAHA, (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-Z069) ADAIR, (OK-Z070) MUSKOGEE, (OK-Z071) MCINTOSH, (OK-Z072) SEQUOYAH, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE FLORE</p>				
	07/24/22 11:00 CST		0	Excessive Heat
	07/28/22 19:00 CST	20	0	
<p>A ridge of high pressure in the middle and upper atmosphere restrengthened over the southern United States during late July. Unseasonably hot afternoon temperatures reaching 100 to 110 degrees, combined with high humidity, resulted in heat index values in the 110 to 115 degree range across much of eastern Oklahoma on the 24th through 28th. There were at least twenty heat-related medical calls in the City of Tulsa during this period.</p>				
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MAYES COUNTY --- 2.9 NNE PRYOR [36.34, -95.29]				

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	07/27/22 15:33 CST		20K	Thunderstorm Wind (EG 61 kt)
	07/27/22 15:33 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew the roof from a barn, and rolled a camper trailer.				
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TULSA COUNTY --- 1.4 S BROKEN ARROW [36.03, -95.78]				
	07/27/22 16:14 CST		0	Hail (0.75 in)
	07/27/22 16:14 CST		0	Source: Broadcast Media
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MAYES COUNTY --- 2.4 NE PENSACOLA [36.47, -95.10]				
	07/27/22 16:15 CST		6K	Thunderstorm Wind (EG 70 kt)
	07/27/22 16:15 CST		0	Source: Emergency Manager
Strong thunderstorm wind snapped several wooden, high power transmission poles.				
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MAYES COUNTY --- 2.2 NNE PRYOR CREEK ARPT [36.25, -95.31]				
	07/27/22 17:00 CST		20K	Thunderstorm Wind (EG 61 kt)
	07/27/22 17:00 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down power lines, and blew the roof from an outbuilding.				
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TULSA COUNTY --- GLENPOOL [35.95, -96.00]				
	07/27/22 17:05 CST		20K	Thunderstorm Wind (EG 61 kt)
	07/27/22 17:05 CST		0	Source: Broadcast Media
Strong thunderstorm wind damaged the roof of a home, blew a small metal shed across the road, and snapped large tree limbs.				
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MAYES COUNTY --- 2.8 E CHOUTEAU [36.18, -95.30]				
	07/27/22 17:10 CST		0	Thunderstorm Wind (EG 61 kt)
	07/27/22 17:10 CST		0	Source: Storm Chaser
Strong thunderstorm wind blew down a tree onto Old Highway 33.				
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MAYES COUNTY --- 3.3 ENE TIP [36.37, -95.13]				
	07/27/22 17:17 CST		0.10M	Thunderstorm Wind (EG 61 kt)
	07/27/22 17:17 CST		0	Source: State Official
Strong thunderstorm wind damaged and destroyed boat docks, and blew down trees.				
Scattered strong to severe thunderstorms developed across northeastern Oklahoma during the afternoon and early evening of the 27th, along a weak frontal boundary that had pushed into the region. The strongest storms produced damaging wind gusts and hail.				
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PITTSBURG COUNTY --- 2.1 S MEKKO [35.00, -95.72]				
	07/28/22 19:15 CST		20K	Thunderstorm Wind (EG 65 kt)
	07/28/22 19:15 CST		0	Source: Newspaper
Strong thunderstorm wind blew down large trees, and blew the metal roof from the ODOT building.				
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PAWNEE COUNTY --- 2.3 W CLEVELD KEYSTONE ARP [36.22, -96.39]				
	07/28/22 20:10 CST		0	Hail (1.00 in)
	07/28/22 20:10 CST		0	Source: Emergency Manager
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MUSKOGEE COUNTY --- MUSKOGEE [35.75, -95.37]				
	07/28/22 21:05 CST		5K	Thunderstorm Wind (EG 61 kt)
	07/28/22 21:05 CST		0	Source: Broadcast Media
Strong thunderstorm wind blew down trees, snapped large tree limbs, and blew down power lines.				
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TULSA COUNTY --- 0.4 N BROKEN ARROW [36.06, -95.78], 1.2 ENE BROKEN ARROW [36.06, -95.76]				
	07/28/22 21:35 CST		30K	Tornado (EF1, L: 1.00 mi , W: 700 yd)
	07/28/22 21:37 CST		0	Source: NWS Storm Survey

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This is the first segment of a two segment tornado. This tornado developed just east of Lynn Lane and south of E Kenosha Street , where a few trees were uprooted and large tree limbs were snapped. The roofs of homes were damaged and an outbuilding was destroyed in the path, before the tornado moved into Wagoner County near the intersection of County Line Road and E Kenosha Street . Based on this damage, estimated wind in this segment of the tornado was 90 to 95 mph.

WAGONER COUNTY --- 1.2 ENE BROKEN ARROW [36.06, -95.76], 3.5 N ONETA [36.07, -95.71]

07/28/22 21:37 CST	25K	Tornado (EF1, L: 3.00 mi , W: 800 yd)
07/28/22 21:44 CST	0	Source: NWS Storm Survey

This is the second segment of a two segment tornado. This tornado moved into Wagoner County near the intersection of S 193rd East Ave and E Kenosha Street. It moved east-northeast along and then north of E Kenosha Street, before dissipating just west of S 241 st East Ave. In Wagoner County, trees were uprooted, large tree limbs were snapped, and the roofs of homes were damaged. Based on this damage, maximum estimated wind in this segment of the tornado was 90 to 95 mph.

Scattered strong to severe thunderstorms developed across portions of eastern Oklahoma during the evening of the 28th. The strongest storms produced damaging wind gusts and hail up to quarter size. One storm produced a tornado as it crossed an outflow boundary from other storms.