

Storm Data and Unusual Weather Phenomena - August 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ARKANSAS, Northwest				
(AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN				
	08/01/24 11:00 CST		0	Excessive Heat
	08/01/24 20:00 CST		0	
<p>A ridge of high pressure in the middle and upper atmosphere redeveloped over the south central United States during late July and continued into early August. Unseasonably hot afternoon temperatures reaching the mid 90s to near 100 degrees, combined with unseasonably high humidity, resulted in heat index values in the 110 to 115 degree range across much of west central Arkansas on August 1st.</p>				
(AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN				
	08/14/24 11:00 CST		0	Excessive Heat
	08/18/24 20:00 CST		0	
<p>A ridge of high pressure in the middle and upper atmosphere redeveloped over the south central United States during mid August. Temperatures reaching the mid 90s to near 100 degrees, combined with unseasonably high humidity, resulted in heat index values in the 110 to 115 degree range across much of west central Arkansas from August 14th through 18th.</p>				
BENTON COUNTY --- 2.1 W OSAGE MILLS [36.28, -94.31]				
	08/16/24 19:41 CST		0	Thunderstorm Wind (MG 56 kt)
	08/16/24 19:41 CST		0	Source: ASOS
<p>The ASOS at the Northwest Arkansas National Airport (XNA) measured 64 mph thunderstorm wind gusts.</p>				
BENTON COUNTY --- 3.3 NNW BELLA VISTA [36.48, -94.25]				
	08/16/24 19:45 CST		60K	Thunderstorm Wind (EG 65 kt)
	08/16/24 19:45 CST		0	Source: Social Media
<p>Strong thunderstorm wind blew down multiple trees onto homes.</p>				
CARROLL COUNTY --- 3.4 SSW BUSCH [36.42, -93.84]				
	08/16/24 20:15 CST		25K	Thunderstorm Wind (EG 56 kt)
	08/16/24 20:15 CST		0	Source: Emergency Manager
<p>Strong thunderstorm wind overturned recreational vehicles near Beaver Lake Dam.</p>				
FRANKLIN COUNTY --- OZARK [35.50, -93.83]				
	08/16/24 22:07 CST		0	Thunderstorm Wind (EG 65 kt)
	08/16/24 22:07 CST		0	Source: Emergency Manager
<p>Strong thunderstorm wind blew down multiple trees.</p>				
CRAWFORD COUNTY --- 2.5 S FIGURE FIVE [35.48, -94.38]				
	08/16/24 22:10 CST		0	Thunderstorm Wind (EG 65 kt)
	08/16/24 22:10 CST		0	Source: Trained Spotter
<p>Strong thunderstorm wind blew down trees onto Old Uniontown Road.</p>				
CRAWFORD COUNTY --- 3.0 SSW FIGURE FIVE [35.48, -94.39]				
	08/16/24 22:10 CST		0	Thunderstorm Wind (MG 74 kt)
	08/16/24 22:10 CST		0	Source: Trained Spotter
<p>A storm spotter measured 85 mph thunderstorm wind gusts. Trees were uprooted and numerous large tree limbs were snapped as a result of the strong wind.</p>				
SEBASTIAN COUNTY --- 0.4 NNE (FSM)FT SMITH MUNI A [35.34, -94.37]				
	08/16/24 22:17 CST		0	Thunderstorm Wind (MG 52 kt)
	08/16/24 22:17 CST		0	Source: ASOS
<p>The ASOS at the Fort Smith Regional Airport measured 60 mph thunderstorm wind gusts.</p>				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
SEBASTIAN COUNTY --- 1.4 N SOUTH FT SMITH [35.35, -94.40]				
	08/16/24 22:20 CST		5K	Thunderstorm Wind (EG 65 kt)
	08/16/24 22:20 CST		0	Source: Local Official
Strong thunderstorm wind blew down trees and power lines onto portions of Free Ferry Road, Country Club Avenue, Kinkead Avenue, and Zero Street in Fort Smith.				
FRANKLIN COUNTY --- 5.0 N BRANCH [35.37, -93.95]				
	08/16/24 22:25 CST		0	Thunderstorm Wind (EG 56 kt)
	08/16/24 22:25 CST		0	Source: Emergency Manager
Strong thunderstorm wind snapped numerous large tree limbs.				
FRANKLIN COUNTY --- CHARLESTON [35.30, -94.03]				
	08/16/24 22:30 CST		2K	Thunderstorm Wind (EG 61 kt)
	08/16/24 22:30 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down a large tree, and snapped power poles.				
<p>Scattered strong to severe thunderstorms developed into northeastern Oklahoma during the afternoon of the 16th, and became more widespread across northwestern Arkansas during the evening and overnight hours. The atmosphere became very unstable during the late afternoon over northwestern Arkansas, and deep layer wind shear increased over the region during the evening with the approach of an upper level disturbance. The strongest thunderstorms produced damaging wind gusts as they moved across northwestern Arkansas.</p>				
BENTON COUNTY --- 2.1 W OSAGE MILLS [36.28, -94.31]				
	08/18/24 17:02 CST		0	Thunderstorm Wind (MG 56 kt)
	08/18/24 17:02 CST		0	Source: ASOS
The ASOS at the Northwest Arkansas National Airport (XNA) measured 64 mph thunderstorm wind gusts.				
WASHINGTON COUNTY --- 0.1 E (ASG)SPRINGDALE [36.18, -94.12]				
	08/18/24 17:22 CST		0	Thunderstorm Wind (MG 51 kt)
	08/18/24 17:22 CST		0	Source: AWOS
The AWOS at the Springdale Municipal Airport measured 59 mph thunderstorm wind gusts.				
WASHINGTON COUNTY --- 0.6 NNE FARMINGTON [36.04, -94.25]				
	08/18/24 17:23 CST		20K	Hail (1.50 in)
	08/18/24 17:23 CST		0	Source: Public
Ping pong ball size hail damaged vehicles and homes.				
WASHINGTON COUNTY --- 1.0 N FARMINGTON [36.04, -94.25]				
	08/18/24 17:23 CST		0	Hail (1.00 in)
	08/18/24 17:23 CST		0	Source: Public
WASHINGTON COUNTY --- 0.7 N (FYV)FAYETTEVILLE AR [36.01, -94.17]				
	08/18/24 17:25 CST		0	Thunderstorm Wind (MG 50 kt)
	08/18/24 17:25 CST		0	Source: ASOS
The ASOS at Drake Field measured 58 mph thunderstorm wind gusts.				
WASHINGTON COUNTY --- 2.0 NE FARMINGTON [36.05, -94.22]				
	08/18/24 17:25 CST		2K	Thunderstorm Wind (EG 56 kt)
	08/18/24 17:25 CST		0	Source: Storm Chaser
Strong thunderstorm wind blew down trees, and damaged street signs.				
WASHINGTON COUNTY --- 2.1 WNW FARMINGTON [36.04, -94.29]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/18/24 17:25 CST		0	Hail (0.75 in)
	08/18/24 17:25 CST		0	Source: Public
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WASHINGTON COUNTY --- FAYETTEVILLE [36.07, -94.17]				
	08/18/24 17:25 CST		0	Thunderstorm Wind (EG 65 kt)
	08/18/24 17:25 CST		0	Source: Social Media
Strong thunderstorm wind blew down trees.				
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WASHINGTON COUNTY --- 1.0 W FAYETTEVILLE [36.07, -94.19]				
	08/18/24 17:26 CST		0	Thunderstorm Wind (EG 65 kt)
	08/18/24 17:26 CST		0	Source: Public
Strong thunderstorm wind blew down several trees.				
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WASHINGTON COUNTY --- 1.0 SE JOHNSON [36.12, -94.16]				
	08/18/24 17:30 CST		0	Thunderstorm Wind (EG 52 kt)
	08/18/24 17:30 CST		0	Source: Public
Thunderstorm wind gusts were estimated to 60 mph.				
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WASHINGTON COUNTY --- 2.0 SE FAYETTEVILLE [36.05, -94.14]				
	08/18/24 17:30 CST		0	Hail (1.00 in)
	08/18/24 17:30 CST		0	Source: Public
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WASHINGTON COUNTY --- 2.1 ESE PRAIRIE GROVE [35.97, -94.28]				
	08/18/24 17:36 CST		0	Hail (0.75 in)
	08/18/24 17:36 CST		0	Source: Public
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FRANKLIN COUNTY --- 0.6 N CASS [35.69, -93.82]				
	08/18/24 18:01 CST		0	Thunderstorm Wind (EG 65 kt)
	08/18/24 18:01 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down numerous trees.				
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FRANKLIN COUNTY --- 0.2 N JETHRO [35.60, -93.88]				
	08/18/24 18:06 CST		0	Thunderstorm Wind (EG 65 kt)
	08/18/24 18:06 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down numerous trees.				
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FRANKLIN COUNTY --- 0.4 SE ALTUS [35.45, -93.76]				
	08/18/24 18:19 CST		0	Thunderstorm Wind (EG 65 kt)
	08/18/24 18:19 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down numerous trees.				
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FRANKLIN COUNTY --- 2.0 NW WATALULA [35.59, -93.85]				
	08/18/24 18:25 CST		0	Thunderstorm Wind (EG 65 kt)
	08/18/24 18:25 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down numerous trees.				
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CRAWFORD COUNTY --- 0.6 SW DYER [35.49, -94.14]				
	08/18/24 18:30 CST		2K	Thunderstorm Wind (EG 56 kt)
	08/18/24 18:30 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down power lines.				
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SEBASTIAN COUNTY --- 0.5 NE LAVACA [35.34, -94.18]				

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	08/18/24 18:40 CST		2K	Thunderstorm Wind (EG 56 kt)
	08/18/24 18:40 CST		0	Source: Amateur Radio

Strong thunderstorm wind blew down power lines.

SEBASTIAN COUNTY --- 1.5 SE ISLAND [35.40, -94.11]

08/18/24 18:40 CST	0	Thunderstorm Wind (EG 65 kt)
08/18/24 18:40 CST	0	Source: Amateur Radio

Strong thunderstorm wind blew down trees onto Shaver Road.

Strong to severe thunderstorms developed southeast across eastern Nebraska and eastern Kansas during the morning and afternoon of the 18th. These thunderstorms weakened before moving into northwestern Arkansas, but additional thunderstorms developed over northwestern Arkansas along the outflow boundary that pushed out from these decaying thunderstorms. The atmosphere over northwestern Arkansas became very unstable during the late afternoon and early evening, which enable some of these storms to produce large hail up to ping pong ball size and damaging wind gusts.

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-Z063) DELAWARE, (OK-Z064) CREEK, (OK-Z065) OKFUSKEE, (OK-Z066) OKMULGEE, (OK-Z067) WAGONER, (OK-Z070) MUSKOGEE, (OK-Z071) MCINTOSH, (OK-Z072) SEQUOYAH, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE FLORE

08/01/24 11:00 CST	0	Excessive Heat
08/01/24 20:00 CST	0	

A ridge of high pressure in the middle and upper atmosphere redeveloped over the south central United States during late July and continued into early August. Unseasonably hot afternoon temperatures reaching the mid 90s to near 100 degrees, combined with unseasonably high humidity, resulted in heat index values in the 110 to 115 degree range across much of eastern Oklahoma from July 29th through August 1st.

MUSKOGEE COUNTY --- 2.0 N HATBOX ARPT [35.78, -95.42], 0.4 SW HYDE PARK [35.78, -95.30], 3.7 ESE SHOPTON [35.70, -95.29], 2.0 SW WEST MUSKOGEE [35.71, -95.44]

08/11/24 07:22 CST	0	Flash Flood (due to Heavy Rain)
08/11/24 09:30 CST	0	Source: Trained Spotter

Portions of several roads in and around Muskogee were reported flooded.

Showers and thunderstorms produced widespread rainfall amounts of two to three inches, with locally heavy amounts up to five inches, across portions of northeastern Oklahoma during the morning of August 11th. This locally heavy rainfall resulted in isolated areas of flash flooding.

(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-Z070) MUSKOGEE, (OK-Z071) MCINTOSH, (OK-Z072) SEQUOYAH, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE FLORE

08/13/24 11:00 CST	0	Excessive Heat
08/19/24 20:00 CST	16	0

A ridge of high pressure in the middle and upper atmosphere redeveloped over the south central United States during mid August. Temperatures reaching the mid 90s to near 100 degrees, combined with unseasonably high humidity, resulted in heat index values in the 110 to 120 degree range across much of eastern Oklahoma from August 13th through 19th. At least sixteen people were treated for heat-related issues in Tulsa, eight of which were transported to the hospital.

ROGERS COUNTY --- 4.1 NNW INOLA ARPT [36.21, -95.46]

08/15/24 17:40 CST	0	Thunderstorm Wind (EG 65 kt)
08/15/24 17:40 CST	0	Source: Trained Spotter

Strong thunderstorm wind blew down a tree onto the 4240 Road.

MAYES COUNTY --- 3.4 SE CHOUTEAU [36.14, -95.31]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/15/24 18:15 CST		0	Thunderstorm Wind (EG 65 kt)
	08/15/24 18:15 CST		0	Source: Emergency Manager

Strong thunderstorm wind blew down multiple trees.

ROGERS COUNTY --- 0.2 WNW VERDIGRIS [36.23, -95.68]

	08/15/24 18:53 CST		0	Hail (1.00 in)
	08/15/24 18:53 CST		0	Source: Public

WAGONER COUNTY --- 1.8 SW ONETA [36.00, -95.74]

	08/15/24 21:09 CST		0	Hail (1.00 in)
	08/15/24 21:09 CST		0	Source: Public

WAGONER COUNTY --- 1.1 W ONETA [36.02, -95.74]

	08/15/24 21:12 CST		0	Hail (1.00 in)
	08/15/24 21:12 CST		0	Source: NWS Employee

TULSA COUNTY --- 3.0 W TULSA [36.15, -96.00]

	08/15/24 21:31 CST		15K	Hail (1.25 in)
	08/15/24 21:31 CST		0	Source: Public

Half dollar size hail damaged homes and vehicles.

TULSA COUNTY --- 2.0 SSW TULSA [36.12, -95.96]

	08/15/24 21:45 CST		0	Thunderstorm Wind (EG 61 kt)
	08/15/24 21:45 CST		0	Source: Storm Chaser

Strong thunderstorm wind blew down a tree onto a road.

TULSA COUNTY --- 2.0 N GLENPOOL [35.98, -96.00]

	08/15/24 21:56 CST		0	Thunderstorm Wind (MG 53 kt)
	08/15/24 21:56 CST		0	Source: Public

Thunderstorm wind gusts were measured up to 61 mph north of Glenpool.

OKMULGEE COUNTY --- 0.7 NW MORRIS [35.61, -95.86]

	08/15/24 22:15 CST		2K	Thunderstorm Wind (EG 56 kt)
	08/15/24 22:15 CST		0	Source: Trained Spotter

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

MUSKOGEE COUNTY --- 0.3 NNW COUNCIL HILL [35.55, -95.65]

	08/15/24 22:40 CST		5K	Thunderstorm Wind (EG 56 kt)
	08/15/24 22:40 CST		0	Source: Emergency Manager

Strong thunderstorm wind blew off portions of a roof from a barn.

MCINTOSH COUNTY --- 2.7 N CHECOTAH [35.47, -95.52]

	08/15/24 22:44 CST		0	Thunderstorm Wind (MG 53 kt)
	08/15/24 22:44 CST		0	Source: Public

Thunderstorm wind gusts were measured up to 61 mph in Checotah.

Strong to severe thunderstorms developed across portions of northeastern Oklahoma during the evening of the 15th, ahead of an approaching cold front. The atmosphere ahead of the cold front became very unstable during the afternoon and early evening across eastern Oklahoma, which supported severe thunderstorms that produced large hail up to half dollar size and damaging wind gusts.

OSAGE COUNTY --- 2.8 SW BIGHEART [36.82, -96.25]

	08/16/24 15:14 CST		25K	Hail (2.00 in)
	08/16/24 15:14 CST		0	Source: Trained Spotter

Hen egg size hail covered the ground on Highway 99, north of Pawhuska. Vehicles and homes were damaged by this large hail.

Storm Data and Unusual Weather Phenomena - August 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OTTAWA COUNTY --- 1.0 SW COMMERCE [36.92, -94.88]				
	08/16/24 18:35 CST		5K	Thunderstorm Wind (EG 56 kt)
	08/16/24 18:35 CST		0	Source: Public
Strong thunderstorm wind snapped numerous large tree limbs, and blew down power poles.				
OTTAWA COUNTY --- 3.0 ENE PICHER [37.00, -94.78]				
	08/16/24 18:35 CST		20K	Thunderstorm Wind (EG 61 kt)
	08/16/24 18:35 CST		0	Source: Social Media
Strong thunderstorm wind blew the roof off a shop, and snapped six power poles.				
OTTAWA COUNTY --- 0.6 NW QUAPAW [36.95, -94.79]				
	08/16/24 18:40 CST		75K	Thunderstorm Wind (EG 65 kt)
	08/16/24 18:40 CST		0	Source: Broadcast Media
Strong thunderstorm wind damaged the roof of the elementary school, blew HVAC units from the roof of the high school, damaged windows and buses, and blew down trees and power poles. The damage delayed the start of the school year for the district.				
OTTAWA COUNTY --- 1.3 WNW OTTAWA [36.86, -94.82]				
	08/16/24 18:40 CST		0	Thunderstorm Wind (EG 56 kt)
	08/16/24 18:40 CST		0	Source: Public
Strong thunderstorm wind snapped numerous tree limbs.				
OTTAWA COUNTY --- 2.0 ENE MIAMI [36.89, -94.84]				
	08/16/24 18:40 CST		0	Thunderstorm Wind (MG 59 kt)
	08/16/24 18:40 CST		0	Source: Mesonet
The Oklahoma Mesonet station near Miami measured 68 mph thunderstorm wind gusts.				
OTTAWA COUNTY --- 3.7 ENE WYANDOTTE [36.81, -94.66]				
	08/16/24 18:55 CST		0	Thunderstorm Wind (EG 65 kt)
	08/16/24 18:55 CST		0	Source: Social Media
Strong thunderstorm wind blew down trees across Highway 60, between Wyandotte and Seneca.				
OSAGE COUNTY --- 5.0 W PAWHUSKA [36.67, -96.42]				
	08/16/24 20:03 CST		0	Hail (1.00 in)
	08/16/24 20:03 CST		0	Source: Public
CHEROKEE COUNTY --- 8.0 SW TAHLEQUAH [35.84, -95.07]				
	08/17/24 00:30 CST		0	Hail (1.00 in)
	08/17/24 00:30 CST		0	Source: Public
CHEROKEE COUNTY --- 4.2 S COOKSON [35.64, -94.96]				
	08/17/24 02:20 CST		2K	Thunderstorm Wind (EG 65 kt)
	08/17/24 02:20 CST		0	Source: Public
Strong thunderstorm wind blew down four large trees, and blew down power lines.				
SEQUOYAH COUNTY --- VIAN [35.50, -94.97]				
	08/17/24 02:26 CST		2K	Thunderstorm Wind (EG 61 kt)
	08/17/24 02:26 CST		0	Source: Trained Spotter
Strong thunderstorm wind snapped large tree limbs and blew down power lines.				
SEQUOYAH COUNTY --- VIAN [35.50, -94.97], 0.2 SSW VIAN [35.50, -94.97], 0.3 SSE VIAN [35.50, -94.97], 0.3 ESE VIAN [35.50, -94.97]				
	08/17/24 03:22 CST		0	Flash Flood (due to Heavy Rain)
	08/17/24 05:00 CST		0	Source: Storm Chaser

Storm Data and Unusual Weather Phenomena - August 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Portions of Highway 64 near Vian were flooded.

MUSKOGEE COUNTY --- 0.4 SSE BRAGGS [35.66, -95.20]

08/17/24 03:37 CST		0		Hail (1.00 in)
08/17/24 03:37 CST		0		Source: Public

ADAIR COUNTY --- BUNCH [35.68, -94.77], 0.5 N BUNCH [35.69, -94.77], 1.3 ENE BUNCH [35.69, -94.75], 1.0 E BUNCH [35.68, -94.75]

08/17/24 06:23 CST		0		Flash Flood (due to Heavy Rain)
08/17/24 07:00 CST		0		Source: Social Media

Widespread flooding was reported near Bunch, after an estimated 5 to 6 inches of rain fell in the area.

Scattered strong to severe thunderstorms developed into northeastern Oklahoma during the afternoon of the 16th, and became more widespread across the area during the evening and overnight hours. The atmosphere became very unstable during the late afternoon over eastern Oklahoma, and deep layer wind shear increased over the region during the evening with the approach of an upper level disturbance. This environment supported severe thunderstorms, including some supercells, that produced large hail up to hen egg size and damaging wind gusts.

(OK-Z049) PUSHMATAHA, (OK-Z053) CHOCTAW

08/20/24 00:00 CST		0		Drought
08/31/24 23:59 CST		0		

Although some of eastern Oklahoma experienced fairly heavy rainfall during August, much of far southeastern Oklahoma received less than one and a half inches of rain during the month. In fact, portions of Choctaw County received less than one tenth of an inch during the month. The rainfall across far southeastern Oklahoma during August corresponded to as little as 5 percent of the normal average precipitation for the month in portions of Choctaw County, with much of Choctaw and Pushmataha Counties receiving less than 25 percent of the normal average rainfall for the month. This area had received less than 50 percent of the normal average rainfall for the month of July, and this long-duration of very dry conditions combined with the typically summer heat, resulted in severe (D2) drought conditions developing across much of Choctaw County and portions of Pushmataha County toward the end of August. Monetary damage estimates as a result of the drought were not available.

(OK-Z054) OSAGE, (OK-Z055) WASHINGTON, (OK-Z056) NOWATA, (OK-Z057) CRAIG, (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-Z070) MUSKOGEE, (OK-Z074) HASKELL

08/24/24 11:00 CST		0		Excessive Heat
08/24/24 20:00 CST		0		

A ridge of high pressure in the middle and upper atmosphere redeveloped over the south central United States during late August. Temperatures reaching the mid 90s to near 100 degrees, combined with unseasonably high humidity, resulted in heat index values in the 110 to 115 degree range across much of eastern Oklahoma on August 24th.