

Storm Data and Unusual Weather Phenomena - August 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ARKANSAS, Northwest				
SEBASTIAN COUNTY --- FT SMITH [35.38, -94.42]				
	08/14/20 02:35 CST		0	Thunderstorm Wind (EG 65 kt)
	08/14/20 02:35 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down trees across town.				
SEBASTIAN COUNTY --- FT SMITH [35.38, -94.42]				
	08/14/20 02:43 CST		0	Thunderstorm Wind (EG 61 kt)
	08/14/20 02:43 CST		0	Source: Trained Spotter
Thunderstorm wind gusts were estimated to 70 mph.				
CRAWFORD COUNTY --- ALMA [35.48, -94.23]				
	08/14/20 02:50 CST		0	Thunderstorm Wind (EG 52 kt)
	08/14/20 02:50 CST		0	Source: Public
Strong thunderstorm wind snapped large tree limbs.				
SEBASTIAN COUNTY --- 2.0 ENE GREENWOOD [35.23, -94.24]				
	08/14/20 02:57 CST		0	Thunderstorm Wind (EG 52 kt)
	08/14/20 02:57 CST		0	Source: Trained Spotter
Strong thunderstorm wind estimated to 60 mph snapped large tree limbs.				
SEBASTIAN COUNTY --- LAVACA [35.33, -94.18]				
	08/14/20 03:05 CST		0	Thunderstorm Wind (EG 65 kt)
	08/14/20 03:05 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down trees.				
FRANKLIN COUNTY --- CHARLESTON [35.30, -94.03]				
	08/14/20 03:10 CST		2K	Thunderstorm Wind (EG 56 kt)
	08/14/20 03:10 CST		0	Source: Emergency Manager
Strong thunderstorm wind snapped large tree limbs, and blew down power poles.				
<p>Thunderstorms developed across portions of northwestern Arkansas during the early morning hours of the 14th, as an upper level disturbance approached the area from the northwest. Moderately strong instability, along with strong deep layer wind shear, supported the development of severe thunderstorms that produced damaging wind.</p>				
(AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN				
	08/29/20 11:00 CST		0	Excessive Heat
	08/29/20 19:00 CST		0	
<p>A ridge of high pressure over the southern United States late in the month, set the stage for excessive heat across portions of west central Arkansas. Temperatures in the upper 90s, combined with high humidity, resulted in afternoon heat index values from 110 to 115 degrees on the 29th.</p>				
SEBASTIAN COUNTY --- 6.0 S FT SMITH [35.29, -94.42]				
	08/29/20 18:20 CST		25K	Hail (1.50 in)
	08/29/20 18:20 CST		0	Source: Trained Spotter
Ping pong ball size hail damaged vehicles, businesses, and homes.				
SEBASTIAN COUNTY --- HACKETT [35.18, -94.42]				
	08/29/20 18:45 CST		1K	Thunderstorm Wind (EG 52 kt)
	08/29/20 18:45 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down power lines.				

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Thunderstorms developed across portions of west central Arkansas during the evening of the 29th, as a cold front moved into the area. The atmosphere had become very unstable ahead of the cold front, but wind shear was marginal. As a result, the most intense storms were able to produce severe weather, including large hail to ping pong ball size and damaging wind, but these storms weren't able to remain organized for very long.

OKLAHOMA, Eastern

MAYES COUNTY --- 0.9 SSE GREEN [36.37, -95.27]

08/07/20 04:39 CST	0	Thunderstorm Wind (MG 50 kt)
08/07/20 04:39 CST	0	Source: Mesonet

The Oklahoma Mesonet station near Pryor measured 58 mph thunderstorm wind gusts.

MAYES COUNTY --- 2.4 SSE GREEN [36.35, -95.26]

08/07/20 04:40 CST	4K	Thunderstorm Wind (EG 61 kt)
08/07/20 04:40 CST	0	Source: Emergency Manager

Strong thunderstorm wind snapped several power poles.

MAYES COUNTY --- 1.6 SE GREEN [36.37, -95.26]

08/07/20 04:45 CST	50K	Thunderstorm Wind (EG 61 kt)
08/07/20 04:45 CST	0	Source: Emergency Manager

Strong thunderstorm wind damaged the roof of a home, destroyed several barns, and snapped large tree limbs.

SEQUOYAH COUNTY --- 0.5 NNE VIAN [35.51, -94.97], 0.6 SSE VIAN [35.49, -94.96], 1.8 W VIAN [35.49, -95.00], 2.1 WNW VIAN [35.51, -95.00]

08/07/20 08:00 CST	0	Flash Flood (due to Heavy Rain)
08/07/20 10:00 CST	0	Source: Broadcast Media

Several roads were flooded in and around Vian.

Thunderstorms developed along and north of a warm front that was located across central Oklahoma during the early morning hours of the 7th. The storms moved southeast across portions of northeastern Oklahoma, the strongest of which produced damaging wind. Locally heavy rainfall also resulted in localized flash flooding.

OSAGE COUNTY --- 0.5 E SHIDLER ARPT [36.78, -96.66]

08/10/20 17:25 CST	20K	Thunderstorm Wind (EG 65 kt)
08/10/20 17:25 CST	0	Source: Broadcast Media

Strong thunderstorm wind blew down a tree onto a home.

OSAGE COUNTY --- PAWHUSKA [36.67, -96.33]

08/10/20 18:08 CST	0	Thunderstorm Wind (EG 56 kt)
08/10/20 18:08 CST	0	Source: Public

Strong thunderstorm wind snapped numerous large tree limbs.

Thunderstorms developed into northeastern Oklahoma during the afternoon of the 10th, ahead of an approaching cold front. The atmosphere had become very unstable ahead of the front across the region, allowing some of the storms to become severe with damaging wind gusts.

OSAGE COUNTY --- BURBANK [36.70, -96.72]

08/13/20 00:59 CST	25K	Hail (1.75 in)
08/13/20 00:59 CST	0	Source: Public

Golf ball size hail damaged vehicles and homes.

OSAGE COUNTY --- HOMINY [36.42, -96.40]

08/13/20 01:40 CST	25K	Hail (1.75 in)
08/13/20 01:40 CST	0	Source: Emergency Manager

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Golf ball size hail damaged vehicles and homes.				
OSAGE COUNTY --- 4.0 W SKIATOOK [36.37, -96.07]				
	08/13/20 01:57 CST		0	Hail (1.00 in)
	08/13/20 01:57 CST		0	Source: Broadcast Media
OSAGE COUNTY --- 4.0 W SKIATOOK [36.37, -96.07]				
	08/13/20 01:57 CST		0	Thunderstorm Wind (EG 52 kt)
	08/13/20 01:57 CST		0	Source: Broadcast Media
Thunderstorm wind gusts were estimated to 60 mph.				
TULSA COUNTY --- 2.8 NW DAWSON [36.20, -95.94]				
	08/13/20 02:24 CST		0	Thunderstorm Wind (MG 55 kt)
	08/13/20 02:24 CST		0	Source: Mesonet
The Oklahoma Mesonet station near Tulsa measured 63 mph thunderstorm wind gusts.				
TULSA COUNTY --- 1.7 SSE DAWSON [36.15, -95.89]				
	08/13/20 02:30 CST		0	Thunderstorm Wind (EG 65 kt)
	08/13/20 02:30 CST		0	Source: NWS Employee
Strong thunderstorm wind blew down trees, and snapped large tree limbs.				
TULSA COUNTY --- 1.6 S DAWSON [36.15, -95.90]				
	08/13/20 02:37 CST		0	Thunderstorm Wind (EG 56 kt)
	08/13/20 02:37 CST		0	Source: NWS Employee
Strong thunderstorm wind snapped large tree limbs.				
TULSA COUNTY --- 1.2 NE BIXBY [35.96, -95.87]				
	08/13/20 02:54 CST		0	Thunderstorm Wind (MG 53 kt)
	08/13/20 02:54 CST		0	Source: Mesonet
The Oklahoma Mesonet station near Bixby measured 61 mph thunderstorm wind gusts.				
TULSA COUNTY --- 1.0 N BIXBY [35.96, -95.88]				
	08/13/20 02:55 CST		0	Thunderstorm Wind (EG 65 kt)
	08/13/20 02:55 CST		0	Source: Broadcast Media
Strong thunderstorm wind blew down trees.				
TULSA COUNTY --- 2.5 SE DAWSON [36.14, -95.87], 1.7 ESE TULSA [36.14, -95.92], 1.5 ENE TULSA [36.16, -95.92], 2.0 ESE DAWSON [36.16, -95.87]				
	08/13/20 03:12 CST		0	Flash Flood (due to Heavy Rain)
	08/13/20 07:00 CST		0	Source: NWS Employee
Portions of E 11th Street were flooded west of Highway 169 and east of S Yale Avenue.				
MUSKOGEE COUNTY --- WARNER [35.50, -95.30]				
	08/13/20 04:30 CST		2K	Thunderstorm Wind (EG 65 kt)
	08/13/20 04:30 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down trees, and snapped a power pole.				
<p>Thunderstorms developed across north central Oklahoma and south central Kansas during the early morning hours of the 13th, as a low level jet strengthened across the region. Moderately strong instability combined with strong deep layer wind shear to produce severe thunderstorms with large hail up to golf ball size and damaging wind gusts. In addition, slow moving storms that moved repeatedly across the same area resulted in locally heavy rainfall and localized flash flooding.</p>				
DELAWARE COUNTY --- 1.4 N KANSAS [36.22, -94.80], 2.9 NE KANSAS [36.22, -94.76], 2.4 ESE KANSAS [36.19, -94.76], 0.4 S KANSAS [36.19, -94.80]				
	08/14/20 05:20 CST		0	Flash Flood (due to Heavy Rain)
	08/14/20 08:15 CST		0	Source: Broadcast Media

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<p>Portions of Highway 10 were flooded south of Highway 412.</p> <p>Slow-moving thunderstorms that moved repeatedly across the same areas resulted in locally heavy rainfall of up to four to seven inches. This excessive rainfall, which fell in just a few hours, resulted in localized flash flooding.</p>				
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(OK-Z049) PUSHMATAHA, (OK-Z053) CHOCTAW				
	08/15/20 12:00 CST		0	Excessive Heat
	08/16/20 18:00 CST		0	
<p>Temperatures in the upper 90s, combined with high humidity, resulted in afternoon heat index values of 110 to 115 degrees across far southeastern Oklahoma on August 15th and 16th.</p>				
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OTTAWA COUNTY --- 2.0 W QUAPAW [36.95, -94.82]				
	08/15/20 16:52 CST		10K	Hail (1.25 in)
	08/15/20 16:52 CST		0	Source: Law Enforcement
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CRAIG COUNTY --- VINITA [36.65, -95.15]				
	08/15/20 18:04 CST		0	Hail (1.00 in)
	08/15/20 18:04 CST		0	Source: Public
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CRAIG COUNTY --- 2.0 NW VINITA [36.67, -95.18]				
	08/15/20 18:10 CST		25K	Hail (1.75 in)
	08/15/20 18:10 CST		0	Source: Public
<p>Golf ball size hail damaged vehicles and homes.</p>				
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CRAIG COUNTY --- 5.0 NW VINITA [36.70, -95.21]				
	08/15/20 18:10 CST		25K	Hail (2.75 in)
	08/15/20 18:10 CST		0	Source: Public
<p>Baseball size hail damaged vehicles and homes.</p>				
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WASHINGTON COUNTY --- 1.2 ENE BARTLESVILLE [36.76, -95.98]				
	08/15/20 18:53 CST		2K	Thunderstorm Wind (EG 65 kt)
	08/15/20 18:53 CST		0	Source: Emergency Manager
<p>Strong thunderstorm wind blew down trees and power lines.</p>				
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WASHINGTON COUNTY --- 1.8 NNE OGLESBY [36.66, -95.86]				
	08/15/20 19:10 CST		0	Hail (1.00 in)
	08/15/20 19:10 CST		0	Source: Emergency Manager
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WASHINGTON COUNTY --- 3.0 E OCHELATA [36.60, -95.93]				
	08/15/20 19:27 CST		0	Hail (1.00 in)
	08/15/20 19:27 CST		0	Source: Trained Spotter
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OSAGE COUNTY --- AVANT [36.48, -96.07]				
	08/15/20 19:48 CST		0	Thunderstorm Wind (MG 63 kt)
	08/15/20 19:48 CST		0	Source: Trained Spotter
<p>Thunderstorm wind gusts were measured to 73 mph.</p> <p>Thunderstorms developed over southwestern Missouri and far northeastern Oklahoma during the evening of the 15th, ahead of a cold front that was moving into the area from the north. The atmosphere ahead of the cold front in northeastern Oklahoma had become very unstable, and this instability combined with moderately strong deep layer shear, resulted in the development of supercell thunderstorms. These thunderstorms developed southwest across northeastern Oklahoma during the evening, and produced hail up to baseball size and damaging wind gusts.</p>				
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<p>(OK-Z049) PUSHMATAHA, (OK-Z053) CHOCTAW, (OK-Z070) MUSKOGEE, (OK-Z071) MCINTOSH, (OK-Z072) SEQUOYAH, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE FLORE</p>				

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	08/29/20 11:00 CST		0	Excessive Heat
	08/29/20 19:00 CST		0	

A ridge of high pressure over the southern United States late in the month, set the stage for excessive heat across portions of eastern Oklahoma. Temperatures in the upper 90s, combined with high humidity, resulted in afternoon heat index values from 110 to 115 degrees on the 29th.

CHOCTAW COUNTY --- FT TOWSON [34.02, -95.27]

08/29/20 20:45 CST	0	Thunderstorm Wind (EG 61 kt)
08/29/20 20:45 CST	0	Source: Emergency Manager

Strong thunderstorm wind blew down a tree.

Thunderstorms developed across southeastern Oklahoma and west central Arkansas during the evening of the 29th, as a cold front moved into the area. The atmosphere had become very unstable ahead of the cold front, but wind shear was marginal. As a result, the most intense storms were able to produce severe weather, including damaging wind, but these storms weren't able to remain organized for very long.

OKMULGEE COUNTY --- 0.3 W HECTOR [35.83, -95.93]

08/31/20 03:26 CST	0	Hail (0.88 in)
08/31/20 03:26 CST	0	Source: Trained Spotter

MUSKOGEE COUNTY --- 0.9 SE MUSKOGEE DAVIS ARPT [35.66, -95.36]

08/31/20 04:34 CST	0	Thunderstorm Wind (MG 51 kt)
08/31/20 04:34 CST	0	Source: ASOS

The ASOS at Muskogee-Davis Regional Airport measured 59 mph thunderstorm wind gusts.

MUSKOGEE COUNTY --- MUSKOGEE [35.75, -95.37]

08/31/20 04:34 CST	0	Thunderstorm Wind (EG 52 kt)
08/31/20 04:34 CST	0	Source: Broadcast Media

Strong thunderstorm wind snapped large tree limbs.

PAWNEE COUNTY --- 2.7 NE PAWNEE [36.36, -96.77]

08/31/20 17:04 CST	0	Thunderstorm Wind (MG 65 kt)
08/31/20 17:04 CST	0	Source: Mesonet

The Oklahoma Mesonet station near Pawnee measured 75 mph thunderstorm wind gusts.

Thunderstorms developed across northeastern Oklahoma during the early morning of the 31st, as a strengthening low level jet lifted warm, moist, and unstable air over a stationary frontal boundary that stretched across the area. The strongest storms produced hail up to nickel size and damaging wind gusts. These storms moved southeast across portions of eastern Oklahoma during the morning, producing heavy rainfall. Another round of thunderstorms developed during the early evening across northeastern Oklahoma, as a cold front approached from the northwest. These storms moved southeast across eastern Oklahoma, and produced damaging wind gusts and locally heavy rainfall.