

Storm Data and Unusual Weather Phenomena - July 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ARKANSAS, Northwest				
(AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN				
	07/12/23 11:00 CST		0	Excessive Heat
	07/13/23 19:00 CST		0	
<p>A ridge of high pressure in the middle and upper atmosphere developed over the south central United States during mid July. Seasonably hot afternoon temperatures reaching the mid to upper 90s, combined with unseasonably high humidity, resulted in heat index values in the 110 to 120 degree range across much of west central Arkansas on the 12th and 13th.</p>				
BENTON COUNTY --- GENTRY [36.27, -94.48]				
	07/13/23 03:40 CST		0	Thunderstorm Wind (EG 56 kt)
	07/13/23 03:40 CST		0	Source: Storm Chaser
<p>Strong thunderstorm wind blew down small trees, and snapped numerous large tree limbs.</p>				
BENTON COUNTY --- 2.1 W OSAGE MILLS [36.28, -94.31]				
	07/13/23 03:50 CST		0	Thunderstorm Wind (MG 55 kt)
	07/13/23 03:50 CST		0	Source: ASOS
<p>The ASOS at the Northwest Arkansas National Airport (XNA) measured 63 mph thunderstorm wind gusts.</p>				
WASHINGTON COUNTY --- (FYV)FAYETTEVILLE AR [36.00, -94.17]				
	07/13/23 04:16 CST		0	Thunderstorm Wind (MG 55 kt)
	07/13/23 04:16 CST		0	Source: ASOS
<p>The ASOS at Drake Field (FYV) measured 63 mph thunderstorm wind gusts.</p>				
<p>Thunderstorms developed over eastern Kansas during the evening of the 12th, along a cold front as a weak upper level disturbance approached the Southern and Central Plains. The storms moved southeast across northwestern Arkansas during the early morning hours of the 13th, the strongest of which produced damaging wind gusts.</p>				
SEBASTIAN COUNTY --- 1.0 N HACKETT [35.19, -94.42]				
	07/14/23 02:30 CST		0	Thunderstorm Wind (EG 65 kt)
	07/14/23 02:30 CST		0	Source: Trained Spotter
<p>Strong thunderstorm wind blew down trees between Bonanza and Hackett.</p>				
SEBASTIAN COUNTY --- 0.5 N (FSM)FT SMITH MUNI A [35.34, -94.37]				
	07/14/23 02:36 CST		0	Thunderstorm Wind (MG 61 kt)
	07/14/23 02:36 CST		0	Source: ASOS
<p>The ASOS at the Fort Smith Regional Airport measured 70 mph thunderstorm wind gusts.</p>				
SEBASTIAN COUNTY --- 1.9 E FT SMITH [35.38, -94.39]				
	07/14/23 02:40 CST		25K	Thunderstorm Wind (EG 65 kt)
	07/14/23 02:40 CST		0	Source: Social Media
<p>Strong thunderstorm wind blew down a tree onto a house.</p>				
SEBASTIAN COUNTY --- 0.5 N (FSM)FT SMITH MUNI A [35.34, -94.37]				
	07/14/23 02:49 CST		0	Thunderstorm Wind (MG 64 kt)
	07/14/23 02:49 CST		0	Source: ASOS
<p>The ASOS at the Fort Smith Regional Airport measured 74 mph thunderstorm wind gusts.</p>				
SEBASTIAN COUNTY --- 0.4 SSW BURLING [35.32, -94.30]				
	07/14/23 02:50 CST		20K	Thunderstorm Wind (EG 61 kt)
	07/14/23 02:50 CST		0	Source: Social Media
<p>Strong thunderstorm wind blew down a tree onto a house.</p>				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
SEBASTIAN COUNTY --- 1.3 SSE HUNTINGTON [35.06, -94.26], 3.4 S MANSFIELD [35.02, -94.23]				
	07/14/23 03:03 CST		0.10M	Tornado (EF1, L: 3.40 mi , W: 550 yd)
	07/14/23 03:11 CST		0	Source: NWS Storm Survey
<p>This tornado developed on the northwest side of Mansfield, where trees were damaged. It moved southeast across the west and south sides of town. Trees were uprooted, numerous large tree limbs were snapped throughout town, poles were blown down, and homes were damaged. Trees fell onto several homes, severely damaging them. South of Mansfield, the tornado moved south-southeast uprooting a number of trees along and east of Highway 378, before dissipating on the east side of Lake Spur. Based on this damage, maximum estimated wind in the tornado was 95 to 105 mph.</p>				
SEBASTIAN COUNTY --- 2.4 SSE OAK PARK [35.40, -94.36], 0.8 S MASSARD [35.34, -94.35], 0.3 NNW MILL CREEK [35.33, -94.43], 0.7 WNW FT SMITH [35.39, -94.43]				
	07/14/23 03:06 CST		75K	Flash Flood (due to Heavy Rain)
	07/14/23 06:30 CST		0	Source: Trained Spotter
<p>Widespread flooding was reported across the city of Fort Smith, with several water rescues conducted. At least three homes were impacted by flooding.</p>				
BENTON COUNTY --- 3.3 NNW BELLA VISTA [36.48, -94.25]				
	07/14/23 18:52 CST		0	Thunderstorm Wind (EG 61 kt)
	07/14/23 18:52 CST		0	Source: Social Media
<p>Strong thunderstorm wind blew down a tree.</p>				
BENTON COUNTY --- 1.1 SE BENTONVILLE MUNI ARP [36.34, -94.21]				
	07/14/23 19:05 CST		25K	Thunderstorm Wind (EG 61 kt)
	07/14/23 19:05 CST		0	Source: Amateur Radio
<p>Strong thunderstorm wind snapped large tree limbs onto two cars at a hotel.</p>				
BENTON COUNTY --- ROGERS [36.33, -94.12]				
	07/14/23 19:11 CST		2K	Thunderstorm Wind (EG 61 kt)
	07/14/23 19:11 CST		0	Source: Social Media
<p>Strong thunderstorm wind snapped large tree limbs, and blew down power lines.</p>				
CARROLL COUNTY --- 1.0 W EUREKA SPGS [36.40, -93.75]				
	07/14/23 19:28 CST		0	Thunderstorm Wind (EG 56 kt)
	07/14/23 19:28 CST		0	Source: Public
<p>Strong thunderstorm wind snapped large tree limbs.</p>				
WASHINGTON COUNTY --- 0.4 NNW (FYV)FAYETTEVILLE AR [36.01, -94.17]				
	07/14/23 19:40 CST		0	Thunderstorm Wind (MG 58 kt)
	07/14/23 19:40 CST		0	Source: ASOS
<p>The ASOS at Drake Field (FYV) measured 67 mph thunderstorm wind gusts.</p>				
CRAWFORD COUNTY --- 0.3 NE VAN BUREN [35.43, -94.35]				
	07/14/23 20:43 CST		20K	Thunderstorm Wind (EG 61 kt)
	07/14/23 20:43 CST		0	Source: Emergency Manager
<p>Strong thunderstorm wind blew down a tree onto a house on Mulberry Street.</p>				
CRAWFORD COUNTY --- 1.0 NE VAN BUREN [35.44, -94.34]				
	07/14/23 20:43 CST		0	Thunderstorm Wind (EG 65 kt)
	07/14/23 20:43 CST		0	Source: Trained Spotter
<p>Strong thunderstorm wind blew down several large trees in Van Buren.</p>				
CRAWFORD COUNTY --- 1.6 WSW SMELTZER [35.46, -94.35]				
	07/14/23 20:43 CST		0	Thunderstorm Wind (MG 56 kt)
	07/14/23 20:43 CST		0	Source: Trained Spotter

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Thunderstorm wind gusts were measured to 65 mph.				
CRAWFORD COUNTY --- 2.5 WNW SMELTZER [35.48, -94.36]				
	07/14/23 20:43 CST		0	Thunderstorm Wind (EG 61 kt)
	07/14/23 20:43 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down a tree onto Old Uniontown Road.				
CRAWFORD COUNTY --- 0.4 NE ALMA [35.48, -94.23]				
	07/14/23 20:49 CST		0	Thunderstorm Wind (EG 65 kt)
	07/14/23 20:49 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down trees onto Highway 64 in Alma.				
CRAWFORD COUNTY --- 0.8 NNW ALMA [35.49, -94.24]				
	07/14/23 20:52 CST		0	Thunderstorm Wind (EG 56 kt)
	07/14/23 20:52 CST		0	Source: Trained Spotter
Strong thunderstorm wind snapped numerous large tree limbs.				
FRANKLIN COUNTY --- 0.7 S OZARK [35.49, -93.83]				
	07/14/23 20:56 CST		0	Thunderstorm Wind (EG 65 kt)
	07/14/23 20:56 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down trees.				
FRANKLIN COUNTY --- 2.2 ENE WEBB CITY [35.49, -93.79]				
	07/14/23 20:58 CST		0	Thunderstorm Wind (EG 61 kt)
	07/14/23 20:58 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down a large tree in Ozark Country Estates.				
<p>Several clusters of strong to severe thunderstorms moved southeast across portions of northwestern Arkansas during the early morning hours of the 14th. The strongest storms produced damaging wind, a brief tornado, and flash flooding in Sebastian County.</p> <p>Additional thunderstorms intensified and became well-organized over Kansas during the day as they moved southeast across the state. These thunderstorms formed a nearly solid line of strong to severe thunderstorms that moved across northwestern Arkansas during the evening. The strongest storms produced damaging wind.</p>				
WASHINGTON COUNTY --- 0.9 SW SPRINGDALE [36.17, -94.14]				
	07/17/23 14:15 CST		10K	Thunderstorm Wind (EG 56 kt)
	07/17/23 14:15 CST		0	Source: Broadcast Media
Strong thunderstorm wind snapped large tree limbs, damaged fences, and blew down power poles.				
<p>Thunderstorms intensified as they moved southeast across southeastern Kansas during the morning of the 17th. These storms moved across portions of northwestern Arkansas during the afternoon. The strongest storms produced damaging wind gusts.</p>				
(AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN				
	07/18/23 11:00 CST		0	Excessive Heat
	07/20/23 20:00 CST		0	
<p>A ridge of high pressure in the middle and upper atmosphere developed over the south central United States during mid July. Seasonably 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 the 18th through 20th.</p>				
SEBASTIAN COUNTY --- FT SMITH [35.38, -94.42]				
	07/21/23 07:30 CST		0	Thunderstorm Wind (EG 56 kt)
	07/21/23 07:30 CST		0	Source: Public
Strong thunderstorm wind snapped large tree limbs.				
CRAWFORD COUNTY --- MOUNTAINBURG [35.63, -94.17]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/21/23 07:35 CST		0	Thunderstorm Wind (EG 61 kt)
	07/21/23 07:35 CST		0	Source: Public

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

Strong to severe thunderstorms moved across northwestern Arkansas during the morning hours of the 21st, ahead of a mid level mesoscale convective vortex that translated eastward through the region. The strongest thunderstorms produced damaging wind gusts.

BENTON COUNTY --- 0.2 SSW GARFIELD [36.45, -93.97]

07/30/23 22:40 CST	0	Thunderstorm Wind (EG 61 kt)
07/30/23 22:40 CST	0	Source: Department of Highways

Strong thunderstorm wind blew down a tree near Highway 62 and Highway 127.

Strong to severe thunderstorms developed across eastern Kansas during the late afternoon and evening of the 30th. These thunderstorms moved southeast and across portions of northwestern Arkansas during the late evening. The strongest storms produced damaging wind gusts.

OKLAHOMA, Eastern

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

07/01/23 00:00 CST	0	Drought
07/31/23 23:59 CST	0	

A number of organized thunderstorm complexes affected eastern Oklahoma during early to mid July, helping to ease the drought conditions some, but the latter half of the month was hot and dry. Much of the area received above average rainfall for the month, but large swaths of northeastern and southeastern Oklahoma missed the heavier rains, which resulted in below average rainfall for those areas. Some of northeastern Oklahoma only received from 75 to 90 percent of normal rainfall, while some of southeastern Oklahoma only received from 25 to 50 percent of normal rainfall for the month. As a result, the long-term drought conditions continued across portions of northeastern Oklahoma, namely areas to the north of I-44. Exceptional (D4) drought conditions eased across portions of Osage County to extreme (D3) drought, while extreme (D3) drought conditions continued 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.

LE FLORE COUNTY --- HODGEN [34.83, -94.62], 2.0 SSW HODGEN [34.80, -94.63]

07/08/23 08:38 CST	2K	Thunderstorm Wind (EG 56 kt)
07/08/23 08:40 CST	0	Source: Trained Spotter

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

Thunderstorms developed along and ahead of an approaching cold front during the early morning hours of the 8th, and moved into southeastern Oklahoma during the morning hours. The strongest storm produced damaging wind in Le Flore County.

(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

07/12/23 11:00 CST	0	Excessive Heat
07/13/23 19:00 CST	9	0

A ridge of high pressure in the middle and upper atmosphere developed over the south central United States during mid July. Seasonably hot afternoon temperatures reaching the mid to upper 90s, combined with unseasonably high humidity, resulted in heat index values in the 110 to 120 degree range across much of eastern Oklahoma on the 12th and 13th. At least nine people were treated for heat-related issues in Tulsa, six of which were transported to the hospital.

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

07/14/23 02:30 CST	50K	Thunderstorm Wind (EG 61 kt)
07/14/23 02:30 CST	0	Source: Trained Spotter

Strong thunderstorm wind blew out the front windows of a business, and caused structural damage to the store.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
SEQUOYAH COUNTY --- 5.0 NW MULDROW [35.47, -94.66], 1.7 W MAPLE [35.47, -94.65], 1.9 WSW MAPLE [35.46, -94.65], 2.6 WSW MAPLE [35.46, -94.66]				
	07/14/23 05:41 CST		0	Flood (due to Heavy Rain)
	07/14/23 08:00 CST		0	Source: Storm Chaser
Portions of East 1070 Road were flooded.				
ROGERS COUNTY --- 2.0 SE OOLOGAH [36.43, -95.67]				
	07/14/23 06:43 CST		15K	Thunderstorm Wind (EG 61 kt)
	07/14/23 06:43 CST		0	Source: Public
Strong thunderstorm wind blew down a tree onto a truck on the south end of Oologah Lake.				
OTTAWA COUNTY --- 3.0 WSW MIAMI [36.86, -94.93]				
	07/14/23 18:05 CST		3K	Thunderstorm Wind (EG 65 kt)
	07/14/23 18:05 CST		0	Source: Storm Chaser
Strong thunderstorm wind blew down several power poles.				
OSAGE COUNTY --- 0.6 SE HOMINY [36.41, -96.39]				
	07/14/23 18:19 CST		2K	Thunderstorm Wind (EG 56 kt)
	07/14/23 18:19 CST		0	Source: Emergency Manager
Strong thunderstorm wind snapped numerous large tree limbs, and blew down power lines.				
ROGERS COUNTY --- 6.7 NNW CATOOSA [36.26, -95.81]				
	07/14/23 18:42 CST		0	Thunderstorm Wind (EG 56 kt)
	07/14/23 18:42 CST		0	Source: NWS Employee
Strong thunderstorm wind snapped large tree limbs.				
TULSA COUNTY --- 2.5 SSE JENKS [35.99, -95.95]				
	07/14/23 19:05 CST		0	Thunderstorm Wind (EG 65 kt)
	07/14/23 19:05 CST		0	Source: Amateur Radio
Strong thunderstorm wind blew down two large trees in Jenks, blocking both lanes of South Florence at E 116th Street.				
WAGONER COUNTY --- 8.3 NNE ONETA [36.13, -95.67]				
	07/14/23 19:05 CST		0	Thunderstorm Wind (EG 61 kt)
	07/14/23 19:05 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down trees at E 21st Street and S 273rd East Avenue.				
WAGONER COUNTY --- 2.5 N LA BARGE [36.02, -95.37]				
	07/14/23 19:22 CST		0	Thunderstorm Wind (EG 52 kt)
	07/14/23 19:22 CST		0	Source: Storm Chaser
Thunderstorm wind gusts were estimated to 60 mph by a storm chaser north of Wagoner.				
WAGONER COUNTY --- 3.4 SSW LA BARGE [35.93, -95.40]				
	07/14/23 19:22 CST		0	Thunderstorm Wind (EG 61 kt)
	07/14/23 19:22 CST		0	Source: NWS Employee
Strong thunderstorm wind blew down a tree onto a road on the southwest side of Wagoner.				
CHEROKEE COUNTY --- 1.0 ESE HULBERT [35.92, -95.13]				
	07/14/23 19:37 CST		0	Thunderstorm Wind (MG 53 kt)
	07/14/23 19:37 CST		0	Source: Storm Chaser
Thunderstorm wind gusts to 61 mph were measured by a storm chaser.				

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WAGONER COUNTY --- 1.4 NE GIBSON [35.89, -95.33]				
	07/14/23 19:37 CST		2K	Thunderstorm Wind (EG 61 kt)
	07/14/23 19:37 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down trees and power lines between Wagoner and Okay.				
Several clusters of strong to severe thunderstorms moved southeast across portions of eastern Oklahoma during the early morning hours of the 14th. The strongest storms produced damaging wind in Sequoyah County.				
Additional thunderstorms intensified and became well-organized over Kansas during the day as they moved southeast across the state. These thunderstorms formed a nearly solid line of strong to severe thunderstorms that moved across eastern Oklahoma during the evening. The strongest storms produced damaging wind.				
OSAGE COUNTY --- SHIDLER [36.78, -96.65]				
	07/17/23 11:34 CST		0	Hail (1.00 in)
	07/17/23 11:34 CST		0	Source: Storm Chaser
MAYES COUNTY --- 2.0 SW PRYOR [36.28, -95.35]				
	07/17/23 12:20 CST		10K	Thunderstorm Wind (EG 61 kt)
	07/17/23 12:20 CST		0	Source: Broadcast Media
Strong thunderstorm wind blew a carport into the street, and blew in a garage door.				
OTTAWA COUNTY --- FAIRLAND [36.75, -94.85]				
	07/17/23 12:28 CST		0	Hail (0.88 in)
	07/17/23 12:28 CST		0	Source: Fire Department/Rescue
WASHINGTON COUNTY --- 3.0 WNW DEWEY [36.82, -95.98]				
	07/17/23 13:35 CST		0	Hail (1.00 in)
	07/17/23 13:35 CST		0	Source: Trained Spotter
WASHINGTON COUNTY --- 1.0 ESE BARTLESVILLE [36.75, -95.98]				
	07/17/23 13:40 CST		25K	Hail (1.50 in)
	07/17/23 13:40 CST		0	Source: Broadcast Media
Ping pong ball size hail damaged vehicles and homes in Bartlesville.				
OSAGE COUNTY --- 7.3 ENE OKESA [36.76, -96.01]				
	07/17/23 13:42 CST		20K	Hail (1.75 in)
	07/17/23 13:42 CST		0	Source: Trained Spotter
Golf ball size hail damaged vehicles and homes.				
WASHINGTON COUNTY --- 2.0 SE BARTLESVILLE [36.73, -95.97]				
	07/17/23 13:44 CST		0	Hail (1.00 in)
	07/17/23 13:44 CST		0	Source: Public
Thunderstorms intensified as they moved southeast across southeastern Kansas during the morning of the 17th. These storms moved into northeastern Oklahoma during the early afternoon. The atmosphere ahead of the storms became very unstable, and wind shear was strong, which supported well-organized severe thunderstorms, including a few supercells. The strongest storms produced hail up to golf ball size and damaging wind gusts.				
(OK-Z049) PUSHMATAHA, (OK-Z053) CHOCTAW, (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-Z071) MCINTOSH, (OK-Z072) SEQUOYAH, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE FLORE				
	07/18/23 11:00 CST		0	Excessive Heat
	07/20/23 20:00 CST	10	0	

A ridge of high pressure in the middle and upper atmosphere developed over the south central United States during mid July. Seasonably hot afternoon temperatures reaching the mid 90s to near 100 degrees, combined with unseasonably high humidity, resulted

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in heat index values in the 110 to 115 degree range across much of eastern Oklahoma on the 18th through 20th. At least ten people were treated for heat-related issues in Tulsa.

MAYES COUNTY --- SALINA [36.30, -95.15]

07/21/23 06:05 CST

2K

Thunderstorm Wind (EG 61 kt)

07/21/23 06:05 CST

0

Source: Public

Strong thunderstorm wind blew down a tree onto power lines.

Strong to severe thunderstorms moved across northeastern Oklahoma during the morning hours of the 21st, ahead of a mid level mesoscale convective vortex that translated eastward through the region. The strongest thunderstorms produced damaging wind gusts.