

Storm Data and Unusual Weather Phenomena - October 2021

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

WASHINGTON COUNTY --- 0.9 S SUNSET [35.81, -94.03], 3.8 E SUNSET [35.82, -93.96]

10/15/21 04:22 CST	0.10M	Tornado (EF1, L: 3.80 mi , W: 400 yd)
10/15/21 04:28 CST	0	Source: NWS Storm Survey

This is the first segment of a two segment tornado. The tornado developed east of Winslow, just to the west of Winfrey Valley Road, where a barn was damaged, a few trees were uprooted, and large tree limbs were snapped. The tornado moved just north of east along Sunset Road where a mobile home was shifted off its foundation and windows were broken, a chicken house was destroyed, and trees were snapped or uprooted. The tornado then moved across heavily wooded terrain that was inaccessible by road to the Madison County line, beyond which it continued. Based on this damage, maximum estimated wind in this segment of the tornado was 95 to 105 mph.

MADISON COUNTY --- 2.6 NNW HEALTH [35.82, -93.96], 0.7 WSW PATRICK [35.83, -93.89]

10/15/21 04:28 CST	0	Tornado (EF1, L: 4.00 mi , W: 500 yd)
10/15/21 04:34 CST	0	Source: NWS Storm Survey

This is the second segment of a two segment tornado. The tornado moved into Madison County, uprooting trees on the 4035 Road and on AR-295. Tree damage continued across Delaney Creek Road and the 4145 Road, before the tornado dissipated to the west of Highway 16. Based on this damage, maximum estimated wind in this segment of the tornado was 90 to 100 mph.

FRANKLIN COUNTY --- 1.2 NE FLY GAP [35.76, -93.80]

10/15/21 04:39 CST	0	Thunderstorm Wind (EG 65 kt)
10/15/21 04:39 CST	0	Source: Fire Department/Rescue

Strong thunderstorm wind blew down trees onto Highway 23, between Fly Gap Road and the Madison County line.

A cluster of strong to severe thunderstorms developed during the late evening of the 14th over central Oklahoma ahead of an approaching cold front. These thunderstorms remained organized and moved through northwestern Arkansas during the early morning hours of the 15th. The strongest storms produced damaging wind gusts, and a tornado.

OKLAHOMA, Eastern

(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-Z071) MCINTOSH, (OK-Z073) PITTSBURG

10/01/21 00:00 CST	0	Drought
10/31/21 23:59 CST	0	

Several widespread rainfall events across eastern Oklahoma during October resulted in monthly rainfall totals of four to six inches across much of northeastern and east central Oklahoma. As a result, much of the area saw near or above average rainfall for the month. The widespread rainfall resulted in some drought improvement across the region by the end of the month. Areas where severe drought (D2) conditions were being experienced improved to moderate drought (D1), and areas experiencing extreme drought (D3) improved to severe drought (D2). Monetary damage estimates resulting from the drought were not available.

TULSA COUNTY --- 1.2 ESE WEST TULSA [36.14, -96.00], 2.0 SE DAWSON [36.15, -95.88], 0.9 SW ALSUMA [36.09, -95.88], 2.5 NE BOZARTH [36.10, -95.98]

10/02/21 08:00 CST	50K	Flash Flood (due to Heavy Rain)
10/02/21 10:30 CST	0	Source: Emergency Manager

Locally heavy rainfall that fell in a short period of time resulted in portions of a number of roads flooding in the City of Tulsa. Some of the reported flooded areas included: S Sheridan Road near E 44th Street S, and E 32nd Street S; S Memorial Drive near Skelly Drive, and E 14th Street S; and S Boston Avenue near E 15th Street S. Several vehicles were stranded in high water in these areas, necessitating swift water rescues of the drivers.

Widespread showers and thunderstorms developed across northeastern Oklahoma during the early morning hours of the 2nd, as a strong upper level disturbance approached the area from the west. The air mass across the region was very moist, which supported locally heavy rainfall in the thunderstorms, and some localized flash flooding.

OSAGE COUNTY --- 15.6 WSW APPERSON [36.67, -97.03]

10/10/21 17:49 CST	35K	Hail (2.00 in)
10/10/21 17:49 CST	0	Source: Public

Two-inch diameter hail damaged homes and vehicles near McCord.

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OKFUSKEE COUNTY --- 4.4 N PADEN [35.56, -96.57]				
	10/10/21 20:24 CST		10K	Thunderstorm Wind (EG 64 kt)
	10/10/21 20:24 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind blew metal roof panels from a barn.				
OKFUSKEE COUNTY --- 3.4 SSW MICAWBER [35.58, -96.55], 0.8 SSW MICAWBER [35.61, -96.52]				
	10/10/21 20:26 CST		0.15M	Tornado (EF1, L: 2.70 mi , W: 300 yd)
	10/10/21 20:32 CST		0	Source: NWS Storm Survey
This tornado snapped and uprooted trees, and damaged several outbuildings. Based on this damage, maximum estimated wind in the tornado was 100 to 110 mph.				
CREEK COUNTY --- 2.5 SSW IRON POST [35.69, -96.41], 1.8 S IRON POST [35.69, -96.39]				
	10/10/21 20:42 CST		0	Tornado (EFU, L: 1.00 mi , W: 100 yd)
	10/10/21 20:43 CST		0	Source: NWS Storm Survey
This tornado produced a tornadic debris signature from the KINX WSR-88D. It apparently developed just east of 369th W Road and south of 321st Road. It remained west of Highway 48. There were no roads accessing the area where the tornado occurred, thus the NWS survey team wasn't able to review any of the damage that produced the debris signature.				
CREEK COUNTY --- 1.7 SSE IRON POST [35.70, -96.39]				
	10/10/21 20:45 CST		0	Thunderstorm Wind (EG 61 kt)
	10/10/21 20:45 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind snapped large tree limbs.				
CREEK COUNTY --- 5.0 S BRISTOW [35.76, -96.38]				
	10/10/21 20:47 CST		0	Thunderstorm Wind (EG 52 kt)
	10/10/21 20:47 CST		0	Source: Storm Chaser
Thunderstorm wind gusts were estimated to 60 mph.				
OKMULGEE COUNTY --- 0.1 N BEGGS [35.73, -96.07], 2.2 NE BEGGS [35.75, -96.04]				
	10/10/21 21:05 CST		10K	Tornado (EF0, L: 2.20 mi , W: 300 yd)
	10/10/21 21:12 CST		0	Source: NWS Storm Survey
This tornado developed along the leading edge of a strong convective line of thunderstorms to the south of Beggs, north of the E890 Road and west of the N390 Road, where large tree limbs were snapped. The tornado moved northeast across Highway 16, and then dissipated to the north of the E875 Road. Large tree limbs were snapped throughout the path of the tornado. The roofs of several homes were also damaged by the tornado. Based on this damage, maximum estimated wind in the tornado was 75 to 80 mph.				
OKMULGEE COUNTY --- 2.1 WNW PRESTON [35.73, -96.01]				
	10/10/21 21:07 CST		0	Thunderstorm Wind (EG 56 kt)
	10/10/21 21:07 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind snapped large tree limbs.				
TULSA COUNTY --- 4.5 SSW ATLANTIC [35.86, -95.85], 3.8 SSW ATLANTIC [35.87, -95.84]				
	10/10/21 21:30 CST		0	Tornado (EFU, L: 0.70 mi , W: 100 yd)
	10/10/21 21:32 CST		0	Source: NWS Storm Survey
This tornado produced a tornadic debris signature from the KINX WSR-88D. It apparently developed just east of S Garnett Road and south of E 201st Street S, just north of the county line. There were no roads accessing the area where the tornado occurred, thus the NWS survey team wasn't able to review any of the damage that produced the debris signature.				
WAGONER COUNTY --- 1.0 S COWETA [35.94, -95.65], 2.6 NNE COWETA [35.98, -95.63]				
	10/10/21 21:45 CST		3M	Tornado (EF1, L: 3.40 mi , W: 700 yd)
	10/10/21 21:52 CST		0	Source: NWS Storm Survey

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<p>This tornado developed along the leading edge of a strong convective line of thunderstorms, over a neighborhood on the south side of Coweta between Highway 51B and Highway 72, and south of E156th Street. It moved north-northeast across neighborhoods and the high school before crossing Highway 51. The width of damage increased north of Highway 51, as it moved north-northeast across E146th Street and E136th Street, and then the tornado dissipated over open country south of the Muskogee Turnpike. Numerous homes were damaged by the tornado, several of the buildings at the high school were damaged, several businesses were damaged, numerous trees and power poles were blown down, and several outbuildings were destroyed. Based on this damage, maximum estimated wind in the tornado was 100 to 110 mph.</p>				
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WAGONER COUNTY --- 3.5 W LA BARGE [35.99, -95.44]				
	10/10/21 22:01 CST		0	Thunderstorm Wind (EG 56 kt)
	10/10/21 22:01 CST		0	Source: NWS Storm Survey
<p>Strong thunderstorm wind snapped large tree limbs.</p>				
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MUSKOGEE COUNTY --- 2.6 SSE WARNER [35.47, -95.28]				
	10/10/21 22:28 CST		25K	Thunderstorm Wind (EG 65 kt)
	10/10/21 22:28 CST		0	Source: Emergency Manager
<p>Strong thunderstorm wind damaged the roofs of poultry buildings.</p>				
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MUSKOGEE COUNTY --- 2.9 ESE WARNER [35.48, -95.25], 5.6 N WEBBERS FALLS [35.60, -95.13]				
	10/10/21 22:30 CST		50K	Tornado (EF1, L: 10.90 mi , W: 900 yd)
	10/10/21 22:45 CST		0	Source: NWS Storm Survey
<p>This is the first segment of a two segment tornado. A long-track supercell produced this tornado, which developed near I-40 east- southeast of Warner, to the east of S 75th Street E. It moved northeast across Highway 64, and then crossed the Muskogee Turnpike near E 163rd Street S. The tornado then moved over the Arkansas River, and crossed into Sequoyah County near the intersection of the county line and Highway 10A. In Muskogee County, the tornado damage homes, destroyed outbuildings, snapped or uprooted numerous trees, and blew down power poles. Based on this damage, maximum estimated wind in this segment of the tornado was 100 to 110 mph.</p>				
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MUSKOGEE COUNTY --- 1.2 WSW WEBBERS FALLS [35.52, -95.15]				
	10/10/21 22:45 CST		0	Thunderstorm Wind (MG 53 kt)
	10/10/21 22:45 CST		0	Source: Mesonet
<p>The Oklahoma Mesonet station near Webbers Falls measured 61 mph thunderstorm wind gusts.</p>				
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SEQUOYAH COUNTY --- 4.9 N GORE [35.60, -95.13], 5.8 W BLACKGUM [35.63, -95.10]				
	10/10/21 22:45 CST		15K	Tornado (EF1, L: 2.80 mi , W: 900 yd)
	10/10/21 22:47 CST		0	Source: NWS Storm Survey
<p>This is the second segment of a two segment tornado. The tornado moved into Sequoyah County near the intersection of the county line and Highway 10A, where trees were snapped and uprooted, outbuildings were destroyed, and homes were damaged. It moved northeast snapping large tree limbs across the E965 Road and the E956 Road, before dissipating just south of the Cherokee County line, northwest of Paradise Hill. Based on this damage, maximum estimated wind in this segment of the tornado was 100 to 110 mph.</p>				
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DELAWARE COUNTY --- 4.8 S EUCHA [36.30, -94.83], 4.0 SSE JAY [36.37, -94.77]				
	10/10/21 23:10 CST		0	Tornado (EF1, L: 5.90 mi , W: 200 yd)
	10/10/21 23:18 CST		0	Source: NWS Storm Survey
<p>This tornado developed along the leading edge of a strong convective line of thunderstorms, west of County Road 586, and south of Eucha Lake. It moved northeast across Highway 59, and dissipated north of County Road 458, and east of Eucha Lake. The tornado snapped and uprooted numerous trees along its path. Based on this damage, maximum estimated wind in the tornado was 95 to 105 mph.</p>				
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OTTAWA COUNTY --- 0.5 ESE WYANDOTTE [36.80, -94.72]				
	10/10/21 23:28 CST		0	Thunderstorm Wind (EG 65 kt)
	10/10/21 23:28 CST		0	Source: Emergency Manager
<p>Strong thunderstorm wind blew down several trees in and around Wyandotte.</p>				
<p>Severe thunderstorms developed across central Oklahoma during the afternoon of the 10th, along a cold front that was moving into the area. These storms moved eastward and across eastern Oklahoma during the evening. In response to a strong upper level disturbance translating into the Southern Plains, wind fields as well as wind shear strengthened considerably during the evening across eastern Oklahoma ahead of the approaching thunderstorms. The very strong wind shear combined with moderately strong instability that existed across the area, resulted in some supercell thunderstorms, as well as the eventual evolution of a squall line. One of the supercells produced a tornado, and the squall line produced several tornadoes as it moved through eastern Oklahoma. Large hail up to</p>				

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two inches in diameter, and damaging wind gusts also occurred from these thunderstorms.				
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MCINTOSH COUNTY --- 2.4 N CHECOTAH [35.46, -95.52]				
	10/15/21 02:26 CST		0	Thunderstorm Wind (MG 53 kt)
	10/15/21 02:26 CST		0	Source: Trained Spotter
Thunderstorm wind gusts were measured to 61 mph.				
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SEQUOYAH COUNTY --- 0.4 ENE VIAN [35.50, -94.96]				
	10/15/21 03:20 CST		0	Thunderstorm Wind (EG 56 kt)
	10/15/21 03:20 CST		0	Source: Trained Spotter
Strong thunderstorm wind snapped large tree limbs onto Dwight Mission Road.				
A cluster of strong to severe thunderstorms developed during the late evening of the 14th over central Oklahoma ahead of an approaching cold front. These thunderstorms remained organized and moved through east central Oklahoma during the early morning hours of the 15th. The strongest storms produced damaging wind gusts.				
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PITTSBURG COUNTY --- (MLC)MC ALESTER MUNI [34.88, -95.78]				
	10/27/21 03:36 CST		0	Thunderstorm Wind (MG 56 kt)
	10/27/21 03:36 CST		0	Source: ASOS
The ASOS at the McAlester Regional Airport measured 64 mph thunderstorm wind gusts.				
Thunderstorms developed into eastern Oklahoma during the early morning hours of the 27th. The strongest storm produced severe wind gusts up to 64 mph.				
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(OK-Z061) ROGERS, (OK-Z066) OKMULGEE				
	10/28/21 14:45 CST		0	High Wind (MAX 56 kt)
	10/28/21 15:35 CST		0	
A strong pressure gradient between deepening low pressure over the southern Mississippi River Valley and high pressure over the Central Rockies resulted in gusty north to northwest wind of 40 to 50 mph across much of eastern Oklahoma on the 28th. Wind gusts to 64 mph were measured by the Oklahoma Mesonet site near Talala, and gusts to 59 mph were measured at the site near Hectorville.				