

Storm Data and Unusual Weather Phenomena - March 2020

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

(AR-Z010) WASHINGTON

03/07/20 10:30 CST	1	0	Wildfire
03/07/20 12:00 CST	2	0	

Direct Fatalities: F??OU

Gusty wind resulted in a brush fire getting out of control and spreading near Nob Hill in Washington County. The wildfire trapped a woman between a barbed wire fence and the fire. The woman was severely burned, and was flown to a hospital where she later died from her injuries. Two people were also burned while trying to assist the woman.

BENTON COUNTY --- BELLA VISTA [36.43, -94.23]

03/11/20 05:10 CST		50K	Hail (1.00 in)
03/11/20 05:10 CST		0	Source: Public

CARROLL COUNTY --- GREEN FOREST [36.32, -93.45]

03/11/20 05:35 CST		2K	Thunderstorm Wind (EG 50 kt)
03/11/20 05:35 CST		0	Source: Law Enforcement

Strong thunderstorm wind blew down power lines.

Strong to severe thunderstorms developed over eastern Kansas during the early morning hours of the 11th, to the north of a frontal boundary, as an upper level disturbance approached the area from the west. These storms moved southeast, across northwestern Arkansas, and produced large hail up to quarter size and damaging wind gusts.

BENTON COUNTY --- 0.2 NE OSAGE MILLS [36.28, -94.27], 0.2 NE OSAGE MILLS [36.28, -94.27], 0.3 NNE OSAGE MILLS [36.28, -94.27], 0.3 NE OSAGE MILLS [36.28, -94.27]

03/19/20 11:45 CST		0	Flash Flood (due to Heavy Rain)
03/19/20 17:15 CST		0	Source: Broadcast Media

Portions of Mill Dam Road were closed due to flooding.

WASHINGTON COUNTY --- 2.1 WNW FAYETTEVILLE [36.08, -94.21], 1.8 WNW FAYETTEVILLE [36.08, -94.20], 1.8 WNW FAYETTEVILLE [36.08, -94.20], 2.1 WNW FAYETTEVILLE [36.08, -94.21]

03/19/20 12:20 CST		0	Flash Flood (due to Heavy Rain)
03/19/20 17:15 CST		0	Source: Department of Highways

Portions of Highway 112 were closed due to flooding.

Strong to severe thunderstorms developed over northwestern Texas and southwestern Oklahoma during the evening of the 18th. These storms moved northeast and affected portions of northwestern Arkansas during the early morning hours of the 19th. Another round of thunderstorms moved across northwest Arkansas later that morning. The subsequent locally heavy rainfall, which occurred on already saturated soils, resulted in flash flooding.

OKLAHOMA, Eastern

(OK-Z049) PUSHMATAHA, (OK-Z063) DELAWARE, (OK-Z068) CHEROKEE, (OK-Z069) ADAIR, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE FLORE

03/04/20 11:00 CST		0	Wildfire
03/08/20 22:00 CST		0	

Gusty wind, low relative humidity, and unseasonably warm conditions combined with dry and dormant vegetation to promote the rapid spread of wildfire on March 4th through the 8th across eastern Oklahoma. More than 1000 acres burned in Pittsburg County, more than 900 acres burned in Latimer County, more than 600 acres burned in Cherokee and Delaware Counties, more than 500 acres burned in Haskell County, and more than 200 acres burned in Le Flore, Pushmataha, and Adair Counties during that several day period.

ADAIR COUNTY --- STILWELL [35.82, -94.63]

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	03/11/20 04:12 CST		10K	Hail (1.00 in)
	03/11/20 04:12 CST		0	Source: Public

Strong to severe thunderstorms developed over eastern Oklahoma during the early morning hours of the 11th, near a frontal boundary, as an upper level disturbance approached the area from the west. The strongest storms produced large hail up to quater size.

CREEK COUNTY --- 1.9 S OLIVE [36.00, -96.48], 1.6 SSE OLIVE [36.01, -96.47]				
	03/19/20 00:53 CST		35K	Tornado (EF0, L: 0.60 mi , W: 75 yd)
	03/19/20 00:55 CST		0	Source: NWS Storm Survey

This tornado developed just south of Highway 33 and west of S 433rd West Avenue, where large tree limbs were snapped. It moved northeast destroying an open air barn, uprooting a tree, and damaging a home. The tornado then blew the roof from a mobile home, and blew the roof off a barn east of S 433rd West Avenue. Based on this damage, maximum estimated wind in the tornado was 80 to 85 mph.

TULSA COUNTY --- 3.5 N COLLINSVILLE [36.42, -95.82], 0.7 N COLLINSVILLE [36.38, -95.83], 3.6 ESE COLLINSVILLE [36.35, -95.77], 4.5 E COLLINSVILLE [36.38, -95.75], 2.9 ENE COLLINSVILLE [36.38, -95.78], 4.1 NNE COLLINSVILLE [36.42, -95.79]				
	03/19/20 04:00 CST		0	Flood (due to Heavy Rain)
	03/21/20 13:00 CST		0	Source: Official NWS Observations

The Caney River near Collinsville rose above its flood stage of 26 feet at 5:00 am CDT on March 19th. The river crested at 30.49 feet at 3:15 pm CDT on the 19th, resulting in moderate flooding. Rural roads were flooded. The river fell below flood stage at 2:00 pm CDT on the 21st.

TULSA COUNTY --- 1.5 NW COLLINSVILLE [36.38, -95.85], 1.6 NW COLLINSVILLE [36.39, -95.85], 1.4 NW COLLINSVILLE [36.39, -95.84], 1.3 NW COLLINSVILLE [36.38, -95.84]				
	03/19/20 06:00 CST		75K	Flash Flood (due to Heavy Rain)
	03/19/20 06:45 CST		0	Source: Broadcast Media

Horsepen Mobile Home Park was flooded by Horsepen Creek. Three swift water rescues were necessary.

TULSA COUNTY --- 3.2 E SKIATOOK [36.37, -95.94], 2.3 W COLLINSVILLE [36.37, -95.87], 2.4 WSW COLLINSVILLE [36.36, -95.87], 3.1 E SKIATOOK [36.36, -95.94]				
	03/19/20 06:30 CST		0	Flash Flood (due to Heavy Rain)
	03/19/20 06:45 CST		0	Source: Broadcast Media

Portions of Highway 20 were flooded between Collinsville and Skiatook.

OTTAWA COUNTY --- 11.3 WNW NORTH MIAMI [36.98, -95.07], 3.6 WSW MIAMI [36.86, -94.94], 3.5 SW OTTAWA [36.82, -94.85], 1.7 W OGEECHEE [36.77, -94.83], 2.4 NNW WYANDOTTE [36.83, -94.75], 2.9 WSW NORTH MIAMI [36.91, -94.93], 8.7 NW NORTH MIAMI [36.99, -95.01]				
	03/19/20 08:30 CST		0	Flood (due to Heavy Rain)
	03/22/20 04:30 CST		0	Source: Official NWS Observations

The Neosho River near Commerce rose above its flood stage of 15 feet at 9:30 am CDT on March 19th. The river crested at 19.16 feet at 4:15 pm CDT on the 20th, resulting in moderate flooding. Low lying areas around Miami were flooded, including Riverview Park, and Highway 125 near the Fairgrounds was flooded. The river fell below flood stage at 5:30 am CDT on the 22nd.

ADAIR COUNTY --- 1.5 S STILWELL [35.80, -94.63]				
	03/19/20 09:02 CST		5K	Thunderstorm Wind (EG 61 kt)
	03/19/20 09:02 CST		0	Source: Public

Strong thunderstorm wind estimated to 70 mph damaged a gas station.

OKFUSKEE COUNTY --- 2.4 SW OKEMAH [35.40, -96.33], 0.9 SSW OKEMAH ARPT [35.42, -96.29]				
	03/19/20 09:25 CST		30K	Tornado (EF1, L: 2.70 mi , W: 225 yd)
	03/19/20 09:29 CST		0	Source: NWS Storm Survey

This tornado developed south of I-40 and west of the N3760 Road. It moved east-northeast destroying a large outbuilding, damaging a home, and snapping large tree limbs as it crossed S 14th Street. Another outbuilding was destroyed east of S 14th Street, and large tree limbs were snapped as it crossed Highway 27. The tornado appeared to dissipate before crossing the N3780 Road, south of the E1100 Road. Based on this damage, maximum estimated wind in the tornado was 90 to 100 mph.

TULSA COUNTY --- 3.0 NNW BROKEN ARROW [36.09, -95.80], 2.7 SW BROKEN ARROW COTTON [36.09, -95.80], 2.7 SW BROKEN ARROW COTTON [36.09, -95.80], 2.7 SW BROKEN ARROW COTTON [36.09, -95.80]				
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	03/19/20 09:38 CST		0	Flash Flood (due to Heavy Rain)
	03/19/20 11:45 CST		0	Source: Public

Portions of several streets were flooded on the northwest side of Broken Arrow.

MUSKOGEE COUNTY --- 1.2 NE HATBOX ARPT [35.76, -95.40], 1.1 ENE HATBOX ARPT [35.76, -95.40], 1.1 ENE HATBOX ARPT [35.76, -95.40], 1.2 NE HATBOX ARPT [35.76, -95.40]

	03/19/20 10:48 CST		0	Flash Flood (due to Heavy Rain)
	03/19/20 14:00 CST		0	Source: Public

Portions of N 32nd Street were flooded in Muskogee.

TULSA COUNTY --- 1.4 NW TULSA R L JONES ARPT [36.05, -95.99], 1.3 NNW TULSA R L JONES ARPT [36.05, -95.99], 1.3 NNW TULSA R L JONES ARPT [36.05, -95.99], 1.4 NW TULSA R L JONES ARPT [36.05, -95.99]

	03/19/20 10:50 CST		0	Flash Flood (due to Heavy Rain)
	03/19/20 14:00 CST		0	Source: Storm Chaser

Streets were flooded around W 81st Street S and S Elwood Avenue.

OKMULGEE COUNTY --- 1.6 N BEGGS [35.75, -96.07], 2.0 N BEGGS [35.76, -96.07], 2.0 N BEGGS [35.76, -96.07], 1.6 N BEGGS [35.75, -96.07]

	03/19/20 11:05 CST		0	Flash Flood (due to Heavy Rain)
	03/19/20 14:00 CST		0	Source: Department of Highways

Portions of Highway 75A were flooded and closed north of Beggs.

MUSKOGEE COUNTY --- 0.6 WSW WARNER [35.50, -95.31], 0.4 SW WARNER [35.50, -95.30], 0.4 SW WARNER [35.49, -95.30], 0.6 SW WARNER [35.49, -95.31]

	03/19/20 11:08 CST		0	Flash Flood (due to Heavy Rain)
	03/19/20 15:45 CST		0	Source: Emergency Manager

Several streets in Warner were flooded.

CHEROKEE COUNTY --- TAHLEQUAH [35.92, -94.97], 1.3 ESE PARK HILL [35.86, -94.93], 3.8 SSE ELLERVILLE [35.98, -94.87], 3.5 S MOODYS [35.98, -94.94]

	03/19/20 11:30 CST		0	Flood (due to Heavy Rain)
	03/21/20 15:30 CST		0	Source: Official NWS Observations

The Illinois River near Tahlequah rose above its flood stage of 11 feet at 12:30 pm CDT on March 19th. The river crested at 20.47 feet at 9:30 pm CDT on the 20th, resulting in major flooding. Severe flooding occurred from near Hanging Rock to near Tahlequah, where cabins and parks were severely flooded and portions of Highway 10 were impassable. Monetary damage from this flood is unknown. The river fell below flood stage at 4:30 pm CDT on the 21st.

ADAIR COUNTY --- 0.9 SE WATTS [36.11, -94.56], 2.1 NNE WATTS [36.15, -94.56], 2.7 NW WATTS [36.15, -94.60], 1.7 W WATTS [36.12, -94.60]

	03/19/20 13:45 CST		0	Flood (due to Heavy Rain)
	03/20/20 15:15 CST		0	Source: Official NWS Observations

The Illinois River near Watts rose above its flood stage of 13 feet at 2:45 pm CDT on March 19th. The river crested at 22.00 feet at 2:30 am CDT on the 20th, resulting in moderate flooding. Severe flooding occurred from the Arkansas border to Fidler's Bend, with numerous cabins and permanent campgrounds flooded. The river fell below flood stage at 4:15 pm CDT on the 20th.

ADAIR COUNTY --- 1.3 WNW CHEWEY [36.11, -94.79], 1.8 SW CHEWEY [36.08, -94.79], 3.4 ESE CHEWEY [36.09, -94.71], 1.8 ENE CHEWEY [36.11, -94.74]

	03/19/20 17:45 CST		0	Flood (due to Heavy Rain)
	03/20/20 22:15 CST		0	Source: Official NWS Observations

The Illinois River near Chewey rose above its flood stage of 12 feet at 6:45 pm CDT on March 19th. The river crested at 20.09 feet at 10:15 am CDT on the 20th, resulting in major flooding. This crest was the sixth highest crest ever recorded at this site. Very severe flooding occurred from near Fidler's Bend to near Hanging Rock, with numerous cabins flooded in permanent campgrounds, and portions of Chewey Road were inundated east of Chewey Bridge. Monetary damage from this flood is unknown. The river fell below flood stage at 11:15 pm CDT on the 20th.

Strong to severe thunderstorms developed over northwestern Texas and southwestern Oklahoma during the evening of the 18th. These storms moved northeast and affected portions of northeastern Oklahoma during the early morning hours of the 19th. Although instability had decreased ahead of these storms during the night-time hours, wind shear had strengthened significantly as these storms moved into northeast Oklahoma. As a result, one of these storms produced a tornado in Creek County. In addition, some of these thunderstorms moved repeatedly across the same areas, which resulted in locally heavy rainfall that combined with saturated

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soils, produced flash flooding. Another round of thunderstorms moved across northeastern Oklahoma later that morning. Another tornado developed with these thunderstorms, as well as locally damaging wind and flash flooding.

In addition to the flash flooding and severe weather, these multiple rounds of thunderstorms resulted in widespread heavy rainfall across northeastern Oklahoma. One to three inches fell across much of the area, with a heavier axis of three to six inches. This widespread heavy rainfall resulted in moderate flooding of the Caney and Neosho Rivers, and major flooding of the Illinois River.

CREEK COUNTY --- 0.8 SSW SHAMROCK [35.91, -96.58]

	03/27/20 13:37 CST		0	Hail (0.88 in)
	03/27/20 13:37 CST		0	Source: Trained Spotter

TULSA COUNTY --- 1.4 NW BRUNER [36.15, -96.06]

	03/27/20 14:13 CST		10K	Hail (1.00 in)
	03/27/20 14:13 CST		0	Source: Emergency Manager

TULSA COUNTY --- 1.9 NNE TULSA [36.18, -95.94]

	03/27/20 14:15 CST		10K	Hail (1.00 in)
	03/27/20 14:15 CST		0	Source: Public

TULSA COUNTY --- (TUL)TULSA INTL ARPT [36.20, -95.88]

	03/27/20 14:16 CST		0.10M	Hail (1.00 in)
	03/27/20 14:16 CST		0	Source: ASOS

Quarter size hail was reported at the Tulsa International Airport.

DELAWARE COUNTY --- 3.0 N JAY [36.46, -94.80]

	03/27/20 14:17 CST		10K	Hail (1.00 in)
	03/27/20 14:17 CST		0	Source: Public

ROGERS COUNTY --- 5.2 WNW VERDIGRIS [36.27, -95.76]

	03/27/20 14:20 CST		25K	Hail (1.00 in)
	03/27/20 14:20 CST		0	Source: NWS Employee

ROGERS COUNTY --- 6.8 NNW CATOOSA [36.27, -95.80]

	03/27/20 14:22 CST		0.10M	Hail (1.50 in)
	03/27/20 14:22 CST		0	Source: NWS Employee

Large hail damaged the roofs of homes.

TULSA COUNTY --- 2.4 S OWASSO ARPT [36.24, -95.78]

	03/27/20 14:22 CST		0.20M	Hail (1.75 in)
	03/27/20 14:22 CST		0	Source: Public

Large hail damaged vehicles, and the roofs of homes and businesses.

ROGERS COUNTY --- 2.0 N CATOOSA [36.21, -95.75]

	03/27/20 14:23 CST		0.10M	Hail (1.25 in)
	03/27/20 14:23 CST		0	Source: Public

Large hail damaged the roofs of homes.

ROGERS COUNTY --- 3.0 NNW CATOOSA [36.22, -95.77]

	03/27/20 14:23 CST		0.10M	Hail (1.25 in)
	03/27/20 14:23 CST		0	Source: Public

Large hail damaged the roofs of homes.

ROGERS COUNTY --- 6.0 NNW VERDIGRIS [36.31, -95.72]

	03/27/20 14:28 CST		0.10M	Hail (1.00 in)
	03/27/20 14:28 CST		0	Source: NWS Employee

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Large hail damaged the roofs of homes.				
ROGERS COUNTY --- 1.0 N CLAREMORE [36.33, -95.60]				
	03/27/20 14:31 CST		0.25M	Hail (2.00 in)
	03/27/20 14:31 CST		0	Source: Public
Large hail damaged vehicles, and the roofs of homes and businesses.				
ROGERS COUNTY --- 1.0 W CLAREMORE [36.32, -95.62]				
	03/27/20 14:33 CST		0.15M	Hail (1.75 in)
	03/27/20 14:33 CST		0	Source: Amateur Radio
Large hail damaged vehicles, and the roofs of homes and businesses.				
MAYES COUNTY --- 0.5 N ADAIR [36.44, -95.27]				
	03/27/20 14:49 CST		0.10M	Hail (1.75 in)
	03/27/20 14:49 CST		0	Source: Public
Large hail damaged vehicles, and the roofs of homes.				
MAYES COUNTY --- 0.7 S STRANG [36.41, -95.13]				
	03/27/20 14:55 CST		50K	Hail (1.75 in)
	03/27/20 14:55 CST		0	Source: Emergency Manager
Large hail damaged vehicles, and the roofs of homes.				
MAYES COUNTY --- 6.0 NNW PRYOR [36.38, -95.36]				
	03/27/20 14:56 CST		25K	Hail (1.00 in)
	03/27/20 14:56 CST		0	Source: Emergency Manager
MAYES COUNTY --- 0.5 SSE LANGLEY [36.46, -95.05]				
	03/27/20 14:59 CST		0.15M	Hail (2.50 in)
	03/27/20 14:59 CST		0	Source: Emergency Manager
Large hail damaged vehicles, and the roofs of homes and businesses.				
CRAIG COUNTY --- 9.5 SE VINITA ARPT [36.53, -95.03]				
	03/27/20 15:01 CST		50K	Hail (1.75 in)
	03/27/20 15:01 CST		0	Source: Public
Large hail damaged vehicles, and the roofs of homes.				
MAYES COUNTY --- DISNEY [36.48, -95.02]				
	03/27/20 15:02 CST		0.15M	Hail (2.75 in)
	03/27/20 15:02 CST		0	Source: Public
Large hail damaged vehicles, boats, boat docks, and the roofs of homes and businesses.				
DELAWARE COUNTY --- 2.0 ESE CLEORA [36.57, -94.94]				
	03/27/20 15:08 CST		0.25M	Hail (1.75 in)
	03/27/20 15:08 CST		0	Source: Public
Large hail damaged vehicles, boats, boat docks, and the roofs of homes and businesses.				
DELAWARE COUNTY --- 0.3 SW ZENA [36.50, -94.85]				
	03/27/20 15:11 CST		50K	Hail (2.50 in)
	03/27/20 15:11 CST		0	Source: Public
Large hail damaged vehicles, and the roofs of homes.				
DELAWARE COUNTY --- 2.0 N ZENA [36.53, -94.85]				

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	03/27/20 15:11 CST		50K	Hail (3.00 in)
	03/27/20 15:11 CST		0	Source: Public

Large hail damaged vehicles, and the roofs of homes.

DELAWARE COUNTY --- 0.9 N GROVE [36.59, -94.77]

03/27/20 15:18 CST	0.25M	Hail (2.50 in)
03/27/20 15:18 CST	0	Source: Law Enforcement

Large hail damaged vehicles, and the roofs of homes and businesses.

Strong to severe thunderstorms developed over central Oklahoma during the early afternoon of the 27th, to the north of a surface boundary, as a weak upper level disturbance approached the area from the southwest. These storms developed into eastern Oklahoma during the afternoon. Although the storms were rooted above a shallow stable layer near the ground, moderately strong instability in the mid levels of the atmosphere, combined with strong deep layer shear, allowed some of the storms to become supercells. Large hail up to 3 inches in diameter occurred across northeastern Oklahoma.