

Storm Data and Unusual Weather Phenomena - January 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ARKANSAS, Northwest				
BENTON COUNTY --- 0.7 NW SILOAM SPGS [36.19, -94.54]				
	01/10/20 16:10 CST		0	Hail (1.00 in)
	01/10/20 16:10 CST		0	Source: Trained Spotter
BENTON COUNTY --- 2.0 SE DECATUR [36.31, -94.42]				
	01/10/20 16:22 CST		15K	Hail (1.75 in)
	01/10/20 16:22 CST		0	Source: Social Media
BENTON COUNTY --- 0.5 WNW SILOAM SPGS ARPT [36.18, -94.49]				
	01/10/20 16:24 CST		0	Hail (1.00 in)
	01/10/20 16:24 CST		0	Source: Public
BENTON COUNTY --- 0.8 NNW CENTERTON [36.36, -94.29]				
	01/10/20 16:33 CST		0	Hail (1.00 in)
	01/10/20 16:33 CST		0	Source: Public
BENTON COUNTY --- 1.5 WNW BENTONVILLE BRANCH J [36.33, -94.15], 1.5 NE BENTONVILLE BRANCH J [36.35, -94.10], 1.7 ESE BENTONVILLE BRANCH J [36.32, -94.09], 2.2 SW BENTONVILLE BRANCH J [36.31, -94.15]				
	01/10/20 19:25 CST		10K	Flash Flood (due to Heavy Rain)
	01/11/20 00:15 CST		0	Source: Storm Chaser
Several vehicles were driven into high water and were stranded.				
SEBASTIAN COUNTY --- 1.8 N FT SMITH [35.41, -94.41], 2.0 SE OAK PARK [35.41, -94.36], 0.6 SSW MASSARD [35.34, -94.35], 0.2 E MILL CREEK [35.33, -94.43]				
	01/10/20 19:32 CST		10K	Flash Flood (due to Heavy Rain)
	01/11/20 00:30 CST		0	Source: County Official
Several vehicles were driven into high water and were stranded.				
FRANKLIN COUNTY --- 1.0 NNE BRANCH [35.31, -93.94]				
	01/10/20 19:38 CST		0	Thunderstorm Wind (EG 61 kt)
	01/10/20 19:38 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down a tree on Highway 41, north of Highway 22.				
FRANKLIN COUNTY --- 1.7 SSE POPING [35.43, -93.89], 2.9 S WEBB CITY [35.44, -93.82]				
	01/10/20 19:45 CST		35K	Tornado (EF1, L: 3.90 mi , W: 400 yd)
	01/10/20 19:49 CST		0	Source: NWS Storm Survey
This tornado developed along the leading edge of a line of thunderstorms, south of Highway 96. It moved east-northeast, damaging the roof of a home, destroying several outbuildings, snapping or uprooting numerous trees, and blowing down power poles. Based on this damage, maximum estimated wind in the tornado was 95 to 105 mph.				
FRANKLIN COUNTY --- 2.0 NNE CASS [35.71, -93.81]				
	01/10/20 19:50 CST		10K	Thunderstorm Wind (EG 65 kt)
	01/10/20 19:50 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down trees and power lines, and damaged the roofs of buildings on Highway 23, north of Cass.				
WASHINGTON COUNTY --- 2.1 ESE WHEELER [36.11, -94.21], 2.0 W SPRING VLY [36.13, -94.11], 1.5 W HARRIS [36.03, -94.08], 1.4 S FARMINGTON [36.01, -94.25]				
	01/10/20 19:50 CST		10K	Flash Flood (due to Heavy Rain)
	01/11/20 00:15 CST		0	Source: Emergency Manager
Portions of several roads were flooded across the county, with at least two swift water rescues conducted.				

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CRAWFORD COUNTY --- VAN BUREN [35.43, -94.35], 2.0 NE RUDY [35.55, -94.25], 2.1 S UNIONTOWN [35.55, -94.45], 4.8 WNW VAN BUREN [35.44, -94.43]				
	01/10/20 21:10 CST		0	Flash Flood (due to Heavy Rain)
	01/11/20 00:30 CST		0	Source: Emergency Manager

Portions of several roadways were flooded across the county.

A strong storm system and associated cold front moved into the Southern Plains on the 10th. Unseasonably warm and moist air spread northward from the Gulf of Mexico ahead of this system, resulting in weak to moderate instability developing across eastern Oklahoma and northwest Arkansas. This instability, combined with very strong wind fields and wind shear, resulted in organized severe thunderstorms. The strongest storms produced large hail up to golfball size, damaging wind, a tornado, and flash flooding.

(AR-Z010) WASHINGTON, (AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN				
	01/22/20 08:00 CST		0.13M	Ice Storm
	01/23/20 12:00 CST		0	

Precipitation developed into eastern Oklahoma and northwestern Arkansas during the early morning of the 22nd, as a storm system approached the area from the Southern Rockies, drawing warm and moist air over retreating arctic air that was already in place. The precipitation began as snow and sleet, but changed to freezing rain across portions of northwest Arkansas during the morning of the 22nd. The freezing rain continued through midday of the 23rd, and resulted in one quarter to one half inch accumulation across portions of Washington, Crawford, and Franklin Counties. Hundreds of power outages were reported, as ice accumulated on power lines.

OKLAHOMA, Eastern

TULSA COUNTY --- 0.2 ENE TULSA [36.15, -95.95]				
	01/10/20 11:35 CST		0	Hail (1.00 in)
	01/10/20 11:35 CST		0	Source: Broadcast Media

TULSA COUNTY --- 3.0 NNE TULSA R L JONES ARPT [36.07, -95.96]				
	01/10/20 11:36 CST		0	Hail (1.00 in)
	01/10/20 11:36 CST		0	Source: Emergency Manager

TULSA COUNTY --- 2.0 N TULSA [36.18, -95.95]				
	01/10/20 11:38 CST		0	Hail (0.75 in)
	01/10/20 11:38 CST		0	Source: Public

MAYES COUNTY --- 5.4 SE MURPHY [36.10, -95.18], 5.2 ESE MURPHY [36.12, -95.17]				
	01/10/20 11:55 CST		0	Tornado (EFU, L: 1.00 mi , W: 50 yd)
	01/10/20 11:56 CST		0	Source: Storm Chaser

Storm chasers positioned in two different locations observed a brief tornado. The area where the tornado occurred was inaccessible by road, thus there was no known damage.

CHEROKEE COUNTY --- 3.0 WNW PETTIT [35.78, -95.02], 2.3 S PARK HILL [35.84, -94.95]				
	01/10/20 14:49 CST		50K	Tornado (EF1, L: 5.80 mi , W: 250 yd)
	01/10/20 14:57 CST		0	Source: NWS Storm Survey

This tornado damaged the roof of a permanent home and the roofs of two mobile homes, uprooted a number of trees, and damaged outbuildings. Based on this damage, maximum estimated wind in the tornado was 90 to 100 mph.

CHEROKEE COUNTY --- 0.7 S TAHLEQUAH [35.91, -94.97]				
	01/10/20 15:02 CST		15K	Hail (1.75 in)
	01/10/20 15:02 CST		0	Source: Amateur Radio

SEQUOYAH COUNTY --- 1.0 SSE SALLISAW [35.46, -94.79]				
	01/10/20 16:09 CST		2K	Thunderstorm Wind (EG 61 kt)
	01/10/20 16:09 CST		0	Source: Emergency Manager

Strong thunderstorm wind blew down power poles and trees. A storm spotter estimated wind gusts up to 70 mph.

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PITTSBURG COUNTY --- 1.0 NW MC ALESTER [34.94, -95.78], 1.7 NNW KREBS [34.94, -95.74], 1.2 WSW KREBS [34.92, -95.74], 1.2 SW MC ALESTER [34.92, -95.78]				

01/10/20 17:47 CST	10K	Flash Flood (due to Heavy Rain)
01/10/20 22:45 CST	0	Source: County Official

Multiple vehicles were driven into flood water, where they were stranded.

PITTSBURG COUNTY --- 6.0 SSE ASHLAND [34.69, -96.04], 2.5 SSE KIOWA [34.69, -95.88], 2.3 NNW PITTSBURG [34.75, -95.87], 3.2 ESE ASHLAND [34.75, -96.02]				
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01/10/20 18:00 CST	1	10K	Flash Flood (due to Heavy Rain)
01/10/20 22:30 CST	0	0	Source: Emergency Manager

Portions of several roads were flooded across southwestern Pittsburg County, as a result of three to five inches of rain that fell across the area. A 58 year-old man drove his pickup truck into deep flood water flowing over S Harper Valley Road, where it became inoperable. He exited the vehicle, was swept downstream by the rapidly flowing water, and was drowned.

Direct Fatalities: M58VE

LE FLORE COUNTY --- 1.7 NNW POTEAU [35.07, -94.64], 0.0 SE NEFF [35.07, -94.60], 1.1 SE POTEAU [35.04, -94.61], 1.0 WSW POTEAU [35.04, -94.63]				
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01/10/20 20:11 CST	0	Flash Flood (due to Heavy Rain)
01/11/20 00:30 CST	0	Source: Emergency Manager

Portions of several roads were flooded in and around town.

A strong storm system and associated cold front moved into the Southern Plains on the 10th. Unseasonably warm and moist air spread northward from the Gulf of Mexico ahead of this system, resulting in weak to moderate instability developing across eastern Oklahoma and northwest Arkansas. This instability, combined with very strong wind fields and wind shear, resulted in organized severe thunderstorms. The strongest storms produced large hail up to golfball size, damaging wind, a tornado, and flash flooding.

ADAIR COUNTY --- 0.9 SE WATTS [36.11, -94.56], 2.1 N WATTS [36.15, -94.57], 3.0 NW WATTS [36.15, -94.61], 1.7 W WATTS [36.12, -94.60]				
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01/11/20 07:00 CST	0	Flood (due to Heavy Rain)
01/11/20 23:15 CST	0	Source: Official NWS Observations

The Illinois River near Watts rose above its flood stage of 13 feet at 7:00 am CST on January 11th. The river crested at 17.90 feet at 4:00 pm CST on the 11th, resulting in moderate flooding. Farmland and permanent campgrounds were flooded from the Arkansas border to near Fidler's Bend. The river fell below flood stage at 11:15 pm CST on the 11th.

LE FLORE COUNTY --- 1.8 SE SHADY PT [35.11, -94.65], 0.9 NE COAL CREEK [35.19, -94.66], 2.4 ESE SCULLYVILLE [35.24, -94.53], 0.9 SW ARKOMA [35.34, -94.46], 2.8 SSW BASHE [35.28, -94.44]				
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01/11/20 07:00 CST	0	Flood (due to Heavy Rain)
01/13/20 07:00 CST	0	Source: Official NWS Observations

The Poteau River near Panama rose above its flood stage of 29 feet at 7:00 am CST on January 11th. The river crested at 33.98 feet at 7:15 am CST on the 12th, resulting in moderate flooding of agricultural lands. Rural roads were also flooded. The river fell below flood stage at 7:00 am CST on the 13th.

CHEROKEE COUNTY --- TAHLEQUAH [35.92, -94.97], 1.3 ESE PARK HILL [35.86, -94.93], 3.8 SSE ELLERVILLE [35.98, -94.87], 3.0 SSE MOODYS [35.99, -94.93]				
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01/11/20 09:30 CST	0	Flood (due to Heavy Rain)
01/12/20 22:00 CST	0	Source: Official NWS Observations

The Illinois River near Tahlequah rose above its flood stage of 11 feet at 9:30 am CST on January 11th. The river crested at 15.45 feet at 11:30 am CST on the 12th, resulting in moderate flooding. Some roads were flooded and impassable, and some cabins and parks were flooded. The river fell below flood stage at 10:00 pm CST on the 12th.

A slow-moving frontal boundary, and the approach of a strong upper level storm system, focused widespread showers and thunderstorms across much of eastern Oklahoma on the 10th and 11th. Precipitable water values were near historic values for early January, and resulted in very efficient rain-producing thunderstorms, some of which moved repeatedly across the same areas. By the time the precipitation had pushed to the east of the area during the morning hours of the 11th, widespread two to three inches of rain had fallen across much of eastern Oklahoma, with several swaths of four to six inch accumulations. This widespread, excessive rain resulted in moderate flooding of the Illinois and Poteau Rivers.