

Storm Data and Unusual Weather Phenomena - September 2021

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|-----------|-------------------|---------------------|------------------------|
|----------|-----------|-------------------|---------------------|------------------------|

ARKANSAS, Northwest

| BENTON COUNTY --- SILOAM SPGS [36.18, -94.53] | | | | |
|---|--------------------|--|---|------------------------------|
| | 09/21/21 00:15 CST | | 0 | Thunderstorm Wind (EG 65 kt) |
| | 09/21/21 00:15 CST | | 0 | Source: Public |

Strong thunderstorm wind blew down trees.

| BENTON COUNTY --- 1.0 WSW BENTONVILLE BRANCH J [36.33, -94.14] | | | | |
|--|--------------------|--|---|------------------------------|
| | 09/21/21 00:45 CST | | 0 | Thunderstorm Wind (EG 56 kt) |
| | 09/21/21 00:45 CST | | 0 | Source: Public |

Strong thunderstorm wind snapped large tree limbs.

Thunderstorms developed into northeastern Oklahoma and southwestern Missouri during the evening of the 20th, as a cold front moved into the area. These thunderstorms moved through northwestern Arkansas during the early morning hours of the 21st. The strongest storms produced damaging wind gusts.

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 | | | | |
|--|--------------------|--|---|---------|
| | 09/15/21 00:00 CST | | 0 | Drought |
| | 09/30/21 23:59 CST | | 0 | |

September 2021 was extremely dry across much of northeastern and east-central Oklahoma, with much of those regions only receiving between 10 percent and 25 percent of the average monthly rainfall. This dry weather pattern, combined with unseasonably hot temperatures, began across much of eastern Oklahoma during August. By the end of September, much of northeastern and east-central Oklahoma had gone 40 to 50 days without receiving at least 0.25 inches of rain. As a result, severe drought (D2) conditions developed during the second half of September across much of the region, generally along and north of I-40, and to the west of Highway 69. Extreme drought (D3) developed across portions of Osage, Pawnee, Creek, Tulsa, and Okfuskee Counties. Monetary damage estimates resulting from the drought were not available.

| OSAGE COUNTY --- SKIATOOK [36.37, -96.00] | | | | |
|---|--------------------|--|----|------------------------------|
| | 09/15/21 15:30 CST | | 1K | Thunderstorm Wind (EG 52 kt) |
| | 09/15/21 15:30 CST | | 0 | Source: Trained Spotter |

Strong thunderstorm wind snapped large trees limbs, and blew down a power pole.

| TULSA COUNTY --- 2.5 E BOZARTH [36.08, -95.98] | | | | |
|--|--------------------|--|---|------------------------------|
| | 09/15/21 16:00 CST | | 0 | Thunderstorm Wind (EG 52 kt) |
| | 09/15/21 16:00 CST | | 0 | Source: Public |

Strong thunderstorm wind snapped large tree limbs near the intersection of S Peoria Avenue and E 56th Street.

| TULSA COUNTY --- 0.7 NNW TULSA R L JONES ARPT [36.04, -95.98] | | | | |
|---|--------------------|--|---|------------------------------|
| | 09/15/21 16:16 CST | | 0 | Thunderstorm Wind (MG 52 kt) |
| | 09/15/21 16:16 CST | | 0 | Source: ASOS |

The ASOS at the Tulsa Richard L Jones Jr Riverside Airport (KRVS) measured 60 mph thunderstorm wind gusts. Large tree limbs were reported to be blown down near the airport.

Scattered thunderstorms developed during the afternoon of the 15th across northeastern Oklahoma, along a weak stationary frontal boundary. The air mass across the region had become moderately unstable during the afternoon, but wind shear was very weak. As a result, storms that developed were short-lived. The strongest thunderstorms produced brief, damaging wind gusts.

| (OK-Z073) PITTSBURG | | | | |
|---------------------|--------------------|--|-------|----------|
| | 09/20/21 11:00 CST | | 0.10M | Wildfire |
| | 09/20/21 22:00 CST | | 0 | |

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Unseasonably hot temperatures, low relative humidity, and wind gusts to near 25 mph combined with dry grasses to create very high fire spread potential on the 20th. A wildfire that developed in Pittsburg County burned nearly 200 acres. It destroyed four outbuildings, and a trailer.