

## Storm Data and Unusual Weather Phenomena - January 2021

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

#### (AR-Z011) MADISON

01/01/21 00:00 CST	0	Ice Storm
01/01/21 10:00 CST	0	

An upper level low pressure system moved from northern Mexico, across Texas, southeastern Oklahoma, and western Arkansas on December 31st and January 1st. Precipitation spread into southeastern Oklahoma ahead of this system during the morning of the 31st, spreading northward across all of eastern Oklahoma and northwestern Arkansas during the day. Cold air was already in place, so the precipitation quickly transitioned to freezing rain, sleet, and snow across northeastern Oklahoma and northwestern Arkansas. Light accumulations of ice occurred across much of northwestern Arkansas during this event. The higher elevations of Madison County received about a quarter of an inch of ice from persistent freezing rain.

#### (AR-Z010) WASHINGTON, (AR-Z011) MADISON

01/06/21 20:00 CST	0	Winter Storm
01/07/21 12:00 CST	0	

A strong upper level disturbance translated into the Southern Plains from the Southern Rockies on the 6th, strengthening over northern Texas as it did so. Precipitation overspread eastern Oklahoma and northwestern Arkansas as the system approached. Much of the precipitation fell as rain across the area, but the rain changed to snow over northwestern Arkansas during the evening of the 6th, and continued through the morning of the 7th. Light accumulations of snow fell over much of northwestern Arkansas, but four to five inches of snow accumulated above about the 1800 foot elevation in portions of southeastern Washington and eastern Madison Counties.

### OKLAHOMA, Eastern

#### (OK-Z057) CRAIG, (OK-Z061) ROGERS

01/01/21 00:00 CST	0	Winter Storm
01/01/21 11:00 CST	0	

An upper level low pressure system moved from northern Mexico, across Texas, southeastern Oklahoma, and western Arkansas on December 31st and January 1st. Precipitation spread into southeastern Oklahoma ahead of this system during the morning of the 31st, spreading northward across all of eastern Oklahoma and northwestern Arkansas during the day. Cold air was already in place, so the precipitation quickly transitioned to freezing rain, sleet, and snow across northeastern Oklahoma and northwestern Arkansas. One to three inches of snow fell across much of northeastern Oklahoma, with a narrow swath of heavier snow across northern Rogers and southern Craig Counties.

#### NOWATA COUNTY --- 3.7 S WANN [36.87, -95.80], 3.3 SSE WANN [36.88, -95.78]

01/30/21 13:43 CST	0	Tornado (EFU, L: 1.20 mi , W: 100 yd)
01/30/21 13:45 CST	0	Source: Storm Chaser

Several storm chasers and storm spotters witnessed this initial tornado from the supercell, which developed and moved over open country. A survey team could find no damage as a result of this tornado, due to the fact that it occurred over open country where there were no damage indicators impacted.

#### NOWATA COUNTY --- 3.3 SSE WANN [36.88, -95.77], 3.3 SSE WANN [36.88, -95.77]

01/30/21 13:46 CST	0	Tornado (EFU, L: 0.40 mi , W: 75 yd)
01/30/21 13:47 CST	0	Source: Storm Chaser

Several storm chasers and storm spotters witnessed this second tornado from the supercell, which developed and moved over open country. A survey team could find no damage as a result of this tornado, due to the fact that it occurred over open country where there were no damage indicators impacted.

#### NOWATA COUNTY --- 3.2 SE WANN [36.88, -95.76], 3.8 ESE WANN [36.90, -95.74]

01/30/21 13:48 CST	0	Tornado (EFU, L: 1.50 mi , W: 150 yd)
01/30/21 13:50 CST	0	Source: Storm Chaser

Several storm chasers and storm spotters witnessed this third tornado from the supercell, which developed and moved over open country. A survey team could find no damage as a result of this tornado, due to the fact that it occurred over open country where there were no damage indicators impacted.

#### NOWATA COUNTY --- 4.6 NW LENAPAH [36.89, -95.69], 2.7 SW ELLIOT [36.91, -95.66]

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	01/30/21 13:56 CST		0	Tornado (EFU, L: 2.00 mi , W: 100 yd)
	01/30/21 14:00 CST		0	Source: Storm Chaser

Several storm chasers and storm spotters witnessed this fourth tornado from the supercell, which developed and moved over open country. A survey team could find no damage as a result of this tornado, due to the fact that it occurred mostly over open country where there were no damage indicators impacted. Much of the path was also inaccessible by road.

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### CRAIG COUNTY --- 7.5 NE CENTRALIA [36.89, -95.27]

01/30/21 15:08 CST	0	Hail (0.75 in)
01/30/21 15:08 CST	0	Source: Public

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### OTTAWA COUNTY --- 1.0 S PICHER [36.97, -94.83]

01/30/21 15:38 CST	0	Hail (0.75 in)
01/30/21 15:38 CST	0	Source: Public

A narrow axis of moisture and instability developed over portions of eastern Oklahoma during the afternoon of the 30th, ahead of an approaching dry line. Wind fields and wind shear strengthened across the area during the afternoon, with the approach of a strong upper level disturbance. Thunderstorms developed along the dry line during the early afternoon, and moved east-northeast across northeastern Oklahoma. Weak instability and very strong low level wind shear combined to support the evolution of some of the thunderstorms into supercells. One such storm produced four tornadoes. Hail up to penny size was also reported.