

Storm Data and Unusual Weather Phenomena - February 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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OKLAHOMA, Western, Central and Southeast

(OK-Z004) HARPER, (OK-Z005) WOODS, (OK-Z006) ALFALFA, (OK-Z007) GRANT, (OK-Z008) KAY, (OK-Z009) ELLIS, (OK-Z010) WOODWARD, (OK-Z011) MAJOR, (OK-Z012) GARFIELD, (OK-Z013) NOBLE, (OK-Z014) ROGER MILLS, (OK-Z015) DEWEY, (OK-Z016) CUSTER, (OK-Z017) BLAINE, (OK-Z018) KINGFISHER, (OK-Z019) LOGAN, (OK-Z020) PAYNE, (OK-Z021) BECKHAM, (OK-Z022) WASHITA, (OK-Z023) CADDO, (OK-Z024) CANADIAN, (OK-Z025) OKLAHOMA, (OK-Z026) LINCOLN, (OK-Z027) GRADY, (OK-Z028) MCCLAIN, (OK-Z029) CLEVELAND, (OK-Z030) POTTAWATOMIE, (OK-Z031) SEMINOLE, (OK-Z032) HUGHES, (OK-Z033) HARMON, (OK-Z034) GREER, (OK-Z035) KIOWA, (OK-Z036) JACKSON, (OK-Z037) TILLMAN, (OK-Z038) COMANCHE, (OK-Z039) STEPHENS, (OK-Z040) GARVIN, (OK-Z041) MURRAY, (OK-Z042) PONTOTOC, (OK-Z043) COAL, (OK-Z044) COTTON, (OK-Z045) JEFFERSON, (OK-Z046) CARTER, (OK-Z047) JOHNSTON, (OK-Z048) ATOKA, (OK-Z050) LOVE, (OK-Z051) MARSHALL, (OK-Z052) BRYAN

02/01/18 00:00 CST	0	Drought
02/28/18 23:59 CST	0	

Extreme and severe drought spread further through Oklahoma through the first half of the month. Toward the last week of February, rainfall brought some relief to the central third of Oklahoma, confining the severe and extreme drought areas to western Oklahoma.

(OK-Z030) POTTAWATOMIE

02/06/18 17:30 CST	0	Winter Weather
02/06/18 17:30 CST	0	

Patchy freezing drizzle fell on roadways across parts of central Oklahoma on the 6th.

(OK-Z014) ROGER MILLS

02/15/18 12:00 CST	0	Wildfire
02/15/18 21:00 CST	0	

Grass fires burned approximately 500 acres in Roger Mills county on the 15th.

(OK-Z005) WOODS

02/18/18 12:00 CST	0	Wildfire
02/18/18 21:00 CST	0	

The Red Horse fire burned approximately 2549 acres in Woods county on the 18th.

(OK-Z008) KAY, (OK-Z012) GARFIELD, (OK-Z024) CANADIAN, (OK-Z025) OKLAHOMA, (OK-Z027) GRADY, (OK-Z051) MARSHALL

02/20/18 07:00 CST	0	Winter Weather
02/22/18 14:00 CST	0	

(OK-Z023) CADDO, (OK-Z028) MCCLAIN, (OK-Z030) POTTAWATOMIE, (OK-Z038) COMANCHE, (OK-Z040) GARVIN, (OK-Z047) JOHNSTON, (OK-Z052) BRYAN

02/20/18 09:00 CST	0	Ice Storm
02/22/18 14:00 CST	0	

A strong, shallow cold front pushed through pulling temperatures below freezing. With abundant moisture in the area, widespread showers developed post-frontal and slowly moved off eastward on the 20th. The tail end of these showers was behind the freezing line, resulting in freezing rain and sleet. A second round of showers developed post-frontal on the 21st under the influence of isentropic lift. With the cold air firmly in place, most of the precipitation that fell was either freezing rain or sleet (sleet was fairly widespread across the area). Yet, a third round of precipitation developed on the 22nd. Subfreezing temperatures persisted into early afternoon allowing more freezing rain and sleet to fall.

Despite efforts to gather reports, this event likely has data gaps. Beginning and ending times for events are estimates and include all three rounds of winter precipitation. It should also be noted that throughout this whole time period, even small accumulations from freezing drizzle caused fairly widespread travel impacts.

CLEVELAND COUNTY --- 8.5 W MOORE [35.35, -97.64]

02/20/18 07:33 CST	0	Hail (0.75 in)
02/20/18 07:33 CST	0	Source: Public

Storms formed along a cold front on the morning of the 20th, producing sub-severe hail.

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JEFFERSON COUNTY --- 4.0 SE RYAN [33.98, -97.90]

02/24/18 06:20 CST	0	Hail (1.00 in)
02/24/18 06:20 CST	0	Source: Social Media

Storms formed off a warm front in central Texas and propagated northward. One produced a severe hail report early on the 24th.

TEXAS, Western North

(TX-Z083) HARDEMAN, (TX-Z084) FOARD, (TX-Z085) WILBARGER, (TX-Z086) WICHITA, (TX-Z087) KNOX, (TX-Z088) BAYLOR, (TX-Z089) ARCHER, (TX-Z090) CLAY

02/01/18 00:00 CST	0	Drought
02/01/18 23:59 CST	0	

Extreme and severe drought persisted in western north Texas through the first half of the month. Toward the last week of February, rainfall brought some relief to the eastern parts of this area, pushing the severe and extreme drought westward a bit.