

Storm Data and Unusual Weather Phenomena - October 2013

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-Z009) ELLIS, (OK-Z010) WOODWARD, (OK-Z011) MAJOR, (OK-Z014) ROGER MILLS, (OK-Z015) DEWEY, (OK-Z016) CUSTER, (OK-Z017) BLAINE, (OK-Z021) BECKHAM, (OK-Z022) WASHITA, (OK-Z023) CADDO, (OK-Z027) GRADY, (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-Z044) COTTON, (OK-Z045) JEFFERSON, (OK-Z046) CARTER, (OK-Z047) JOHNSTON, (OK-Z050) LOVE, (OK-Z051) MARSHALL, (OK-Z052) BRYAN

	10/01/13 00:00 CST		0	Drought
	10/31/13 23:59 CST		0	

Rainfall was near to slightly above average across most of the state during October. As a result, drought conditions generally remained similar through the month. The most notable change was the improvement of drought conditions across portions of central, south-central and southeast Oklahoma.

DEWEY COUNTY --- 1.8 WNW CESTOS [36.15, -99.12]

	10/04/13 11:07 CST		15K	Thunderstorm Wind (EG 61 kt)
	10/04/13 11:07 CST		0	Source: COOP Observer

Ten power poles snapped and trees damaged. Time estimated from radar. Damages estimated.

MAJOR COUNTY --- 5.4 ENE BOUSE JUNCTION [36.45, -98.80]

	10/04/13 17:02 CST		0	Hail (1.00 in)
	10/04/13 17:02 CST		0	Source: Public

No damage was reported.

BECKHAM COUNTY --- 1.1 E ELK CITY [35.41, -99.40]

	10/04/13 17:50 CST		0	Hail (1.00 in)
	10/04/13 17:50 CST		0	Source: Broadcast Media

Reported by KFOR news. No damage reported.

GREER COUNTY --- 1.1 E REED [34.90, -99.68]

	10/04/13 19:13 CST		0	Hail (1.00 in)
	10/04/13 19:13 CST		0	Source: Emergency Manager

No damage reported.

GREER COUNTY --- 2.1 NNW HESTER [34.83, -99.44]

	10/04/13 21:00 CST		0	Thunderstorm Wind (MG 50 kt)
	10/04/13 21:00 CST		0	Source: Mesonet

No damage reported.

JACKSON COUNTY --- 1.4 S MARTHA [34.71, -99.39]

	10/04/13 21:23 CST		0	Hail (1.00 in)
	10/04/13 21:23 CST		0	Source: Amateur Radio

No damage reported.

CADDO COUNTY --- 3.1 WSW BINGER [35.29, -98.39]

	10/04/13 21:24 CST		5K	Thunderstorm Wind (EG 61 kt)
	10/04/13 21:24 CST		0	Source: Emergency Manager

Trees downed across the road. Four power poles snapped. Damages estimated.

A potent cold front surged into northern and western Oklahoma late on the 4th. A dryline intersected this front over west central Oklahoma and extended southward. The airmass ahead of this front and dryline was moderately unstable with shear favoring marginal supercell structures. Given supportive ingredients, severe thunderstorm clusters formed during the late afternoon and lasted well into the night as the front move southeast. Spotty marginally severe hail and damaging winds occurred.

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OKLAHOMA COUNTY --- 3.0 SSE NICOMA PARK [35.45, -97.30]				
	10/15/13 00:03 CST		0	Hail (1.00 in)
	10/15/13 00:03 CST		0	Source: Trained Spotter

Reported at intersection of Anderson and 10th. No damage reported.

OKLAHOMA COUNTY --- 3.0 SSE NICOMA PARK [35.45, -97.30]				
	10/15/13 00:03 CST		0	Thunderstorm Wind (MG 51 kt)
	10/15/13 00:03 CST		0	Source: Trained Spotter

Measured at Anderson and Reno. No damage was reported.

A cluster of marginally severe storms formed along a surging cold front over central Oklahoma. One of these storms produce hail and severe wind gusts, but no damage occurred.

TILLMAN COUNTY --- 13.0 NNE HOLLISTER [34.50, -98.75]				
	10/26/13 18:10 CST		0	Hail (1.00 in)
	10/26/13 18:10 CST		0	Source: Public

Pea to quarter size hail lasted about 30 minutes, accumulating up to 3-4 inches.

As a shortwave trough approached from the northwest, numerous multicell thunderstorms developed across the southern half of Oklahoma during the afternoon. One cell took on brief supercell characteristics as it moved through Tillman Co. during the evening, producing marginally severe hail.

JACKSON COUNTY --- 3.5 S ALTUS [34.59, -99.33]				
	10/30/13 22:25 CST		0	Thunderstorm Wind (MG 55 kt)
	10/30/13 22:25 CST		0	Source: Mesonet

No damage reported.

JACKSON COUNTY --- (LTS)ALTUS AFB [34.66, -99.29]				
	10/30/13 22:35 CST		0	Thunderstorm Wind (MG 58 kt)
	10/30/13 22:35 CST		0	Source: ASOS

The KLTS ASOS recorded a wind gust to 67 mph. The Altus Mesonet site also recorded a gust to 63 mph ten minutes prior.

A longwave trough was in place over the Rockies, with strong southwesterly flow aloft. Meanwhile, warm and moist air existed to the east of a dryline in the Texas Panhandle. A broken line of strong thunderstorms developed along the dryline and then pushed eastward across western Oklahoma during the evening of the 30th. Severe wind gusts were recorded in Altus as the line passed through.

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				
	10/01/13 00:00 CST		0	Drought
	10/31/13 23:59 CST		0	

Rainfall was generally near to below normal during October. This led to a slight worsening of drought conditions, particularly over far western portions of north Texas.