

## Storm Data and Unusual Weather Phenomena - July 2014

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

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<b>ROGER MILLS COUNTY --- 4.8 NE DEMPSEY [35.55, -99.75]</b>				
	07/01/14 00:00 CST	0		Thunderstorm Wind (MG 51 kt)
	07/01/14 00:00 CST	0		Source: Mesonet

<b>STEPHENS COUNTY --- 5.1 E DUNCAN [34.50, -97.87]</b>				
	07/01/14 16:57 CST	0		Hail (1.00 in)
	07/01/14 16:57 CST	0		Source: Fire Department/Rescue

A cluster of storms developed along a cold front and moved out of the Panhandles, bringing sporadic large hail and damaging winds to portions of northern and western Oklahoma. Storms slowly died after sunrise.

(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-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				
	07/01/14 00:00 CST	0		Drought
	07/31/14 23:59 CST	0		

While several rainfall events occurred throughout the month, drought conditions remained mostly unchanged across Oklahoma.

<b>JOHNSTON COUNTY --- 0.6 W FILLMORE [34.27, -96.51], 1.1 NW FILLMORE [34.28, -96.51], 1.7 ENE FILLMORE [34.28, -96.47], 1.4 E FILLMORE [34.27, -96.48]</b>				
	07/02/14 09:00 CST	0		Flash Flood (due to Heavy Rain)
	07/02/14 12:00 CST	0		Source: Public

Water over highway 48A. No reports of vehicle or crop damage.

Heavy rainfall led to very localized flash flooding across portions of south-central Oklahoma. Water was reported over one roadway in Johnston County. No damage was reported.

<b>MCCLAIN COUNTY --- WAYNE [34.92, -97.32]</b>				
	07/08/14 17:04 CST	0		Hail (1.00 in)
	07/08/14 17:04 CST	0		Source: Trained Spotter

Hail was reported in and around Wayne.

<b>MCCLAIN COUNTY --- 2.9 WSW WAYNE [34.91, -97.37]</b>				
	07/08/14 17:25 CST	0		Thunderstorm Wind (EG 52 kt)
	07/08/14 17:25 CST	0		Source: Trained Spotter

Estimated 60 mph wind gusts. No damage was reported.

<b>MCCLAIN COUNTY --- 2.9 WSW WAYNE [34.91, -97.37]</b>				
	07/08/14 17:28 CST	0		Hail (1.50 in)
	07/08/14 17:28 CST	0		Source: Trained Spotter

No damage information was available.

<b>MCCLAIN COUNTY --- 1.7 W WAYNE [34.92, -97.35]</b>				
	07/08/14 17:34 CST	0		Hail (1.00 in)
	07/08/14 17:44 CST	0		Source: Trained Spotter

The hail lasted 10 minutes.

A slow moving cold front moved into portions of central and southern Oklahoma. As the front became nearly stationary within a highly unstable airmass, severe pulse thunderstorms developed, with several large hail and damaging wind reports.

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<b>OKLAHOMA COUNTY --- 0.8 ESE FOREST PARK [35.51, -97.44]</b>				
	07/09/14 03:30 CST		0.25M	Lightning
	07/09/14 03:30 CST		0	Source: Broadcast Media
KOCO news reports one home burned down due to lightning. The home was along the 3800 block of Cimmarron Park Drive in northeast Oklahoma City. Damages estimated.				
<b>OKLAHOMA COUNTY --- 1.0 WSW NICHOLS HILLS [35.54, -97.56]</b>				
	07/09/14 04:20 CST		2.80M	Lightning
	07/09/14 04:20 CST		0	Source: Broadcast Media
KOCO news reports house fire caused by lightning. A large home along Country Club Drive in Nichols Hills was a total loss after the lightning induced fire. No injuries were reported. Damage information from NewsOK.com.				
<b>A weak front stalled across southern Oklahoma late on the 8th. As southerly flow developed above the boundary, strong isentropic ascent lead to numerous showers and thunderstorms along a northwest to southeast line. This line cut right through Oklahoma City and with training storms, very heavy rainfall occurred. Storm total rainfall exceeded 3 inches in many places. In addition, several of the storms produced numerous cloud to ground lightning flashes. At least three homes were damaged or destroyed by lightning-initiated fires.</b>				
<b>CUSTER COUNTY --- 2.7 NE CLINTON [35.54, -98.94]</b>				
	07/13/14 15:39 CST		0	Thunderstorm Wind (MG 55 kt)
	07/13/14 15:39 CST		0	Source: AWOS
Measured at Clinton Regional Airport.				
<b>BECKHAM COUNTY --- 2.8 S SAYRE [35.26, -99.64]</b>				
	07/13/14 16:50 CST		1K	Thunderstorm Wind (EG 52 kt)
	07/13/14 16:50 CST		0	Source: Emergency Manager
Several large trees uprooted along highway 283 and country road east 1230. Damages estimated.				
<b>BECKHAM COUNTY --- 4.2 S SAYRE [35.24, -99.64]</b>				
	07/13/14 16:50 CST		2K	Thunderstorm Wind (EG 56 kt)
	07/13/14 16:50 CST		0	Source: Emergency Manager
Metal roof blown off mobile home at highway 283 and country road east 1240.				
<b>KINGFISHER COUNTY --- 3.9 E KINGFISHER [35.86, -97.86]</b>				
	07/13/14 17:48 CST		0	Hail (1.00 in)
	07/13/14 17:48 CST		0	Source: Public
<b>KINGFISHER COUNTY --- 3.6 SSW DOVER [35.93, -97.93]</b>				
	07/13/14 18:00 CST		0	Thunderstorm Wind (EG 52 kt)
	07/13/14 18:00 CST		0	Source: Emergency Manager
Minor structural damage to several outbuildings.				
<b>KINGFISHER COUNTY --- 8.9 E DOVER [35.98, -97.75]</b>				
	07/13/14 18:28 CST		0	Thunderstorm Wind (EG 52 kt)
	07/13/14 18:28 CST		0	Source: Public
Several large tree limbs downed.				
<b>A stalled front slowly lifted northward during the day. With peak daytime heating, thunderstorms erupted along the front. While mid level winds were weak, a few of the pulse storms became severe, producing large hail and severe down-burst winds.</b>				
<b>CADDO COUNTY --- 4.8 S CARNEGIE [35.03, -98.60]</b>				
	07/14/14 13:47 CST		0	Hail (1.00 in)
	07/14/14 13:47 CST		0	Source: Public
<b>KAY COUNTY --- 0.9 SW (PNC)PONCA CITY ARPT [36.72, -97.11]</b>				

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	07/14/14 16:06 CST		0	Thunderstorm Wind (MG 52 kt)
	07/14/14 16:06 CST		0	Source: ASOS

The wind gust was measured at Ponca City regional airport.

### DEWEY COUNTY --- 3.6 WNW CAMARGO [36.04, -99.35]

07/14/14 19:10 CST	0	Thunderstorm Wind (MG 58 kt)
07/14/14 19:10 CST	0	Source: Mesonet

### KAY COUNTY --- NEWKIRK [36.88, -97.06]

07/14/14 19:22 CST	15K	Thunderstorm Wind (EG 65 kt)
07/14/14 19:22 CST	0	Source: Emergency Manager

The winds downed 18 utility poles and took out power to the entire town of Newkirk. Damages estimated.

The front that began lifting northward the day before surged southward into Oklahoma on the 14th. Severe storms rolled out of southern Kansas, affecting portions of north central Oklahoma. A stray severe storm also affected Caddo county in central Oklahoma. With little in the way of mid level flow, these storms were pulse in nature, and dropped heavy rain and damaging winds.

### COTTON COUNTY --- 10.1 NW COOKIETOWN [34.36, -98.59], 2.8 NE WALTERS [34.38, -98.28], 2.0 SE WALTERS [34.33, -98.28], 8.6 WNW COOKIETOWN [34.32, -98.59]

07/17/14 01:10 CST	0	Flash Flood (due to Heavy Rain)
07/17/14 04:10 CST	0	Source: Fire Department/Rescue

Walters Fire Department responded to a high water rescue near Walters. Exact location unknown. Time of event corrected. Damage estimates unknown.

Several hours of heavy rainfall along a slow moving warm front led to localized flash flooding near Walters. At least one high-water rescue was required.

### COTTON COUNTY --- 7.5 W WALTERS ARPT [34.36, -98.54]

07/23/14 19:00 CST	0	Hail (2.50 in)
07/23/14 19:00 CST	0	Source: Public

Viewer photo from KSWO TV. Damage information unavailable.

### COTTON COUNTY --- 7.6 N DEVOL [34.30, -98.59]

07/23/14 19:10 CST	0	Hail (1.00 in)
07/23/14 19:10 CST	0	Source: Public

A cold front moved slowly southward across northern Oklahoma late on the 23rd. Well south of this boundary, upslope flow across the Caprock of West Texas and modest mid level northerly flow promoted isolated severe storm development. One storm dropped hail up to tennis ball size over rural Cotton county.

### STEPHENS COUNTY --- 8.0 W VELMA [34.45, -97.81]

07/30/14 20:00 CST	0	Thunderstorm Wind (EG 52 kt)
07/30/14 20:00 CST	0	Source: Public

Public report of 60 mph wind gusts. No damage was reported.

### OKLAHOMA COUNTY --- 0.7 N CHOCTAW [35.50, -97.27], 0.2 SSW CHOCTAW [35.49, -97.27], 0.6 ESE CHOCTAW [35.49, -97.26], 0.9 NE CHOCTAW [35.50, -97.26]

07/30/14 20:18 CST	0	Flash Flood (due to Heavy Rain)
07/30/14 22:18 CST	0	Source: Public

Water over both lanes of northeast 23rd street near Choctaw road. No vehicle damage was reported.

### LOVE COUNTY --- 2.2 SE BURNEYVILLE [33.89, -97.27]

07/30/14 21:15 CST	0	Thunderstorm Wind (MG 92 kt)
07/30/14 21:15 CST	0	Source: Mesonet

Extreme northwest wind measured at Burneyville mesonet site. No damage was reported.

### LOVE COUNTY --- 1.8 SE BURNEYVILLE [33.89, -97.28]

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	07/30/14 21:25 CST		0	Thunderstorm Wind (MG 57 kt)
	07/30/14 21:25 CST		0	Source: Mesonet

A slow moving surface trough coupled with abundant low and mid level moisture and moderate northwesterly mid level flow led to scattered severe storms across central Oklahoma late in the day. With training storms, flash flooding was reported near Choctaw and a few locations also received damaging winds. The Burneyville mesonet site recorded a 106 mph wind gust.

### 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

07/01/14 00:00 CST	0	Drought
07/31/14 23:59 CST	0	

Despite several rainfall events across north Texas, only minor drought improvement occurred.

CLAY COUNTY --- 3.1 SE CHARLIE [34.07, -98.28]

07/23/14 19:20 CST	0	Hail (1.75 in)
07/23/14 19:20 CST	0	Source: Public

No damage was reported.

A cold front moved slowly southward across northern Oklahoma late on the 23rd. Well south of this boundary, upslope flow across the Caprock of West Texas and modest mid level northerly flow promoted isolated severe storm development. One storm that produced severe hail over far southern Oklahoma made its way into northern Texas, with continued severe hail.