

## Storm Data and Unusual Weather Phenomena - July 2012

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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(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-Z051) MARSHALL, (OK-Z052) BRYAN

07/01/12 00:00 CST	0	Drought
07/31/12 23:59 CST	0	

As a mid level ridge of high pressure built into the Southern Plains late in July, few opportunities for rain lead to expanding drought conditions across much of Oklahoma.

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#### PONTOTOC COUNTY --- ADA [34.77, -96.68]

07/13/12 21:00 CST	1	Lightning
07/13/12 21:00 CST	0	Source: Law Enforcement

A brief thunderstorm impacted Ada, Oklahoma just before midnight. No structural damage was reported, but one fatality occurred when a man was struck by lightning in the driveway of his home.

Direct Fatalities: M61OU

Isolated strong thunderstorms developed over parts of southeast Oklahoma on the 13th. Despite a large ridge over the central and southern plains, a weak upper disturbance combined with strong instability led to a few pulse type storms. These storms contained gusty winds and very heavy rain along with frequent lightning.

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#### ATOKA COUNTY --- BOGGY DEPOT STATE PARK [34.32, -96.31]

07/14/12 15:50 CST	0	Hail (1.00 in)
07/14/12 15:50 CST	0	Source: Park/Forest Service

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#### CLEVELAND COUNTY --- SLAUGHTERVILLE [35.09, -97.33]

07/14/12 16:57 CST	2K	Thunderstorm Wind (EG 61 kt)
07/14/12 16:57 CST	0	Source: Public

The wind gust blew over a sycamore tree of 2 feet in diameter. No other damage was reported.

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#### STEPHENS COUNTY --- 0.7 S MARLOW [34.64, -97.96]

07/14/12 18:35 CST	0	Hail (1.00 in)
07/14/12 18:35 CST	0	Source: Amateur Radio

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#### STEPHENS COUNTY --- 0.7 S MARLOW [34.64, -97.96]

07/14/12 18:40 CST	0.20M	Thunderstorm Wind (EG 65 kt)
07/14/12 18:40 CST	0	Source: Law Enforcement

Widespread wind damage was reported in Marlow. Numerous trees were blown down with power lines and poles downed. Hail up to the size of tennis balls combined with the winds also damaged roofs and took out windows of homes. Wind gusts were estimated to be greater than 70 mph. Monetary damage estimated.

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#### STEPHENS COUNTY --- 2.9 WSW MARLOW [34.64, -98.01]

07/14/12 18:40 CST	0	Hail (1.75 in)
07/14/12 18:40 CST	0	Source: Amateur Radio

No damage was reported.

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#### STEPHENS COUNTY --- 6.5 NNW EMPIRE CITY [34.50, -98.10]

07/14/12 19:02 CST	0	Hail (1.00 in)
07/14/12 19:02 CST	0	Source: Amateur Radio

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<b>STEPHENS COUNTY --- 6.5 NNW EMPIRE CITY [34.50, -98.10]</b>				
	07/14/12 19:02 CST		0	Thunderstorm Wind (MG 50 kt)
	07/14/12 19:02 CST		0	Source: Amateur Radio
<p>Strong instability developed across parts of Oklahoma during the late afternoon. Despite weak wind shear, severe pulse storms developed during the late afternoon and evening hours. Storms produced large hail and damaging winds across parts of central and southern Oklahoma.</p>				
<b>MAJOR COUNTY --- 4.0 E MENO [36.38, -98.11]</b>				
	07/19/12 18:45 CST		0	Thunderstorm Wind (MG 54 kt)
	07/19/12 18:45 CST		0	Source: Mesonet
<p>A complex of showers and storms developed a strong outflow boundary that pushed into northern Oklahoma during the late afternoon. Temperatures in the 100's coupled with a very dry airmass led to strong to severe winds as thunderstorms collapsed.</p>				
<b>WOODS COUNTY --- 13.5 NNE CAMP HOUSTON [36.98, -99.00]</b>				
	07/25/12 16:40 CST		0	Thunderstorm Wind (MG 82 kt)
	07/25/12 16:40 CST		0	Source: Mesonet
No damage was reported.				
<b>WOODS COUNTY --- 13.5 NNE CAMP HOUSTON [36.98, -99.00]</b>				
	07/25/12 16:45 CST		0	Thunderstorm Wind (MG 58 kt)
	07/25/12 16:45 CST		0	Source: Mesonet
No damage was reported.				
<b>WOODS COUNTY --- 13.5 NNE CAMP HOUSTON [36.98, -99.00]</b>				
	07/25/12 17:05 CST		0	Thunderstorm Wind (MG 50 kt)
	07/25/12 17:05 CST		0	Source: Mesonet
No damage was reported.				
<p>A cold front approached northern Oklahoma late in the day. Extreme heating ahead of the boundary and a relatively dry airmass led to large temperature dewpoint spreads. As storms developed, strong to severe outflows produced a few severe wind gusts in Woods county and several strong gusts in neighboring counties. No damages were reported as a result of the winds.</p>				
<b>JOHNSTON COUNTY --- 4.5 NW MANNVILLE [34.24, -96.93]</b>				
	07/26/12 14:35 CST		0	Thunderstorm Wind (EG 52 kt)
	07/26/12 14:35 CST		0	Source: Public
No damage was reported.				
<b>HUGHES COUNTY --- 0.7 S HOLDENVILLE [35.07, -96.40]</b>				
	07/26/12 16:25 CST		30K	Thunderstorm Wind (EG 56 kt)
	07/26/12 16:25 CST		0	Source: Fire Department/Rescue
Holdenville fire department reported trees downed with damage to homes. Monetary damage estimated.				
<b>BRYAN COUNTY --- 2.1 NNW DURANT EAKER ARPT [33.96, -96.41]</b>				
	07/26/12 16:42 CST		0	Thunderstorm Wind (MG 53 kt)
	07/26/12 16:42 CST		0	Source: AWOS
<b>BRYAN COUNTY --- 4.3 NNE DURANT EAKER ARPT [33.99, -96.38]</b>				
	07/26/12 16:45 CST		50K	Thunderstorm Wind (EG 56 kt)
	07/26/12 16:45 CST		0	Source: Law Enforcement
Durant police department reported trees and power lines down with trees blocking roads and on homes. Monetary damage estimated.				
<b>BRYAN COUNTY --- 2.8 N DURANT EAKER ARPT [33.97, -96.40]</b>				

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	07/26/12 16:46 CST		0	Thunderstorm Wind (MG 63 kt)
	07/26/12 16:46 CST		0	Source: AWOS
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<b>BRYAN COUNTY --- 3.5 N DURANT EAKER ARPT [33.98, -96.41]</b>				
	07/26/12 16:55 CST		10K	Thunderstorm Wind (MG 61 kt)
	07/26/12 16:55 CST		0	Source: AWOS

Law enforcement also reported numerous trees were downed in Calera.

**A weak front moved into Oklahoma during the afternoon. Outflow boundaries from overnight storms allowed additional afternoon storms to develop. Very hot surface temperatures and instability led to storms that produced damaging wind gusts.**

### 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

07/01/12 00:00 CST	0	Drought
07/31/12 23:59 CST	0	

**A strong ridge of high pressure lead to increasing temperatures and a long period of very dry weather. This caused drought conditions to worsen considerably across western north Texas.**