

Storm Data and Unusual Weather Phenomena - August 2012

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

08/01/12 00:00 CST	0	Drought
08/31/12 23:59 CST	0	

Hot and dry conditions continued for much of the month beneath a persistent upper-level ridge over the southern Plains. This led to worsening of the already-severe drought.

(OK-Z004) HARPER, (OK-Z019) LOGAN, (OK-Z020) PAYNE, (OK-Z025) OKLAHOMA, (OK-Z026) LINCOLN, (OK-Z027) GRADY, (OK-Z029) CLEVELAND, (OK-Z030) POTTAWATOMIE, (OK-Z035) KIOWA

08/03/12 12:30 CST	1	Wildfire
08/04/12 22:30 CST	0	

Direct Fatalities: F67MH

Extreme temperatures coupled with an low humidity, increased winds, and an ongoing drought led to several large wildfires across parts of Oklahoma. Some of the fires burned numerous structures. A cold front entered the region late on the 4th, resulting in slightly cooler temperatures and an end to critical fire weather conditions by the 5th.

CUSTER COUNTY --- 4.4 NW FOSS RES DAM [35.58, -99.25]

08/06/12 14:50 CST	0	Thunderstorm Wind (MG 57 kt)
08/06/12 14:50 CST	0	Source: Mesonet

No damage was reported.

Isolated storms developed late in the day across western Oklahoma. With large temperature dewpoint spreads, at least one severe wind gust was recorded.

POTTAWATOMIE COUNTY --- ASHER [34.99, -96.92]

08/07/12 14:40 CST	0	Thunderstorm Wind (EG 52 kt)
08/07/12 14:40 CST	0	Source: Public

No damage was reported.

GRADY COUNTY --- 6.8 W MINCO [35.32, -98.06]

08/07/12 15:55 CST	0	Thunderstorm Wind (EG 56 kt)
08/07/12 15:55 CST	0	Source: Public

No damage was reported.

OKLAHOMA COUNTY --- 8.0 W EDMOND [35.65, -97.62]

08/07/12 16:50 CST	5K	Thunderstorm Wind (EG 65 kt)
08/07/12 16:50 CST	0	Source: Emergency Manager

Multiple power poles were downed at the intersection of 164th street and MacArthur boulevard. Some of the power poles fell onto homes, causing light structural damage.

COMANCHE COUNTY --- 1.8 WSW LAWTON [34.60, -98.42]

08/07/12 18:01 CST	25K	Thunderstorm Wind (EG 65 kt)
08/07/12 18:01 CST	0	Source: Law Enforcement

At NW 112th and NW Cache Rd., 5-6 power poles were blown down. Roof damage and blown out windows were also reported at this location.

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During the late afternoon, a weak stationary front draped east-west across northern Oklahoma resulted in a few pulse storms, which produced damaging wind reports.

POTTAWATOMIE COUNTY --- 2.3 E MACOMB [35.15, -96.97]

	08/08/12 16:15 CST		2K	Thunderstorm Wind (EG 52 kt)
	08/08/12 16:15 CST		0	Source: Public

Roof shingles were blown off a house.

ATOKA COUNTY --- 1.8 SE WARDVILLE [34.64, -96.01]

	08/08/12 17:36 CST		2K	Thunderstorm Wind (EG 52 kt)
	08/08/12 17:36 CST		0	Source: Public

Small tree limbs were blown down and shingles were damaged.

ATOKA COUNTY --- STRINGTOWN [34.47, -96.05]

	08/08/12 18:10 CST		0	Thunderstorm Wind (EG 52 kt)
	08/08/12 18:10 CST		0	Source: Public

No damage was reported.

A weak surface trough existed over Oklahoma, and afternoon pulse storms resulted in a few wind damage reports.

ATOKA COUNTY --- 0.9 NW LANE [34.31, -96.00]

	08/09/12 14:40 CST		0	Thunderstorm Wind (MG 60 kt)
	08/09/12 14:40 CST		0	Source: Mesonet

The Lane mesonet site reported a wind gust to 69 mph at 3:40pm CDT. No damage was reported.

A pulse thunderstorm in Atoka Co. produced severe wind gusts during the afternoon.

MARSHALL COUNTY --- 4.3 NNE OAKLAND [34.16, -96.77]

	08/12/12 17:18 CST		0	Hail (1.00 in)
	08/12/12 17:18 CST		0	Source: Public

No damage was reported.

JOHNSTON COUNTY --- 2.1 S TISHOMINGO [34.20, -96.68]

	08/12/12 17:22 CST		0	Hail (1.25 in)
	08/12/12 17:22 CST		0	Source: Public

No damage was reported.

ATOKA COUNTY --- 0.9 NW BENTLEY [34.23, -96.09]

	08/12/12 18:18 CST		0	Hail (1.25 in)
	08/12/12 18:18 CST		0	Source: Public

No damage was reported.

ATOKA COUNTY --- CANEY [34.23, -96.21]

	08/12/12 18:20 CST		2K	Hail (2.50 in)
	08/12/12 18:20 CST		0	Source: Emergency Manager

Trees were reported blown down at this location.

BRYAN COUNTY --- CALERA [33.93, -96.43]

	08/12/12 18:25 CST		45K	Thunderstorm Wind (EG 74 kt)
	08/12/12 18:25 CST	5	0	Source: Fire Department/Rescue

Widespread damage to trees and power lines reported, with structural damage to homes. One vehicle was blown off the road, and several injuries were also reported.

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JOHNSTON COUNTY --- 0.7 N TISHOMINGO [34.24, -96.68]				
	08/12/12 18:25 CST		0	Hail (1.75 in)
	08/12/12 18:25 CST		0	Source: Emergency Manager
No damage was reported.				
BRYAN COUNTY --- ACHILLE [33.83, -96.39]				
	08/12/12 18:50 CST		0	Hail (1.25 in)
	08/12/12 18:50 CST		0	Source: Emergency Manager
No damage was reported.				
BRYAN COUNTY --- ACHILLE [33.83, -96.39]				
	08/12/12 18:50 CST		1K	Thunderstorm Wind (EG 61 kt)
	08/12/12 18:50 CST		0	Source: Emergency Manager
Tree limbs up to 10 inches in diameter were downed, and a fence was damaged.				
BRYAN COUNTY --- 3.0 SSE KEMP [33.73, -96.33]				
	08/12/12 19:07 CST		0	Thunderstorm Wind (EG 61 kt)
	08/12/12 19:07 CST		0	Source: Public
No damage was reported.				
<p>A weak cold front extended from northeast to south-central Oklahoma during the afternoon and evening hours, with a hot and humid airmass in place to its east. During the late afternoon, a cluster of intense thunderstorms developed over south-central and southeast Oklahoma and moved toward the east-southeast through the evening. Numerous reports of severe wind gusts and hail were received, along with significant damage and some injuries.</p>				
BRYAN COUNTY --- CARTWRIGHT [33.85, -96.56]				
	08/12/12 18:30 CST		0	Thunderstorm Wind (EG 56 kt)
	08/12/12 18:30 CST		0	Source: Public
The winds downed large tree limbs, damaged metal outbuilding and roofs. No damage estimates were available.				
BRYAN COUNTY --- 0.6 W CARTWRIGHT [33.85, -96.57]				
	08/14/12 18:25 CST		0.50K	Thunderstorm Wind (EG 56 kt)
	08/14/12 18:25 CST		0	Source: Public
Large tree limbs were reported down.				
<p>A stationary front was draped near the Red River during the afternoon and evening. Around mid-afternoon, a cluster of thunderstorms developed north of the front, over south-central Oklahoma into northwest Texas. This cluster moved eastward through the late afternoon and evening, and one damaging wind gust was reported in Bryan Co.</p>				
COMANCHE COUNTY --- 1.3 WSW MT SCOTT [34.73, -98.55]				
	08/25/12 15:25 CST		0	Thunderstorm Wind (MG 52 kt)
	08/25/12 15:25 CST		0	Source: Mesonet
The Medicine Park mesonet station recorded a gust to 60 mph.				
CADDO COUNTY --- 4.8 S ANADARKO [35.01, -98.24]				
	08/25/12 16:10 CST		0.20K	Thunderstorm Wind (EG 52 kt)
	08/25/12 16:10 CST		0	Source: Amateur Radio
Numerous tree limbs around 2 inches in diameter were downed. Estimated gusts of 50-60 mph.				
GARFIELD COUNTY --- WAUKOMIS [36.28, -97.90]				
	08/25/12 16:30 CST		18K	Thunderstorm Wind (EG 56 kt)
	08/25/12 16:30 CST		0	Source: Emergency Manager
Numerous trees and some power lines were reported down, along with some structural damage.				

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ROGER MILLS COUNTY --- 2.8 N DEMPSEY [35.55, -99.82]				
	08/25/12 16:30 CST		0	Thunderstorm Wind (EG 52 kt)
	08/25/12 16:30 CST		0	Source: Public
Public estimated wind gusts of 60 mph. No damage reported.				
GARFIELD COUNTY --- WAUKOMIS [36.28, -97.90]				
	08/25/12 16:40 CST		0	Thunderstorm Wind (EG 56 kt)
	08/25/12 16:40 CST		0	Source: Emergency Manager
Emergency management reported several trees were downed. Light structural damage also occurred and several power lines were blown down. No damage estimates were available.				
KINGFISHER COUNTY --- 4.4 ESE HENNESSEY [36.08, -97.83]				
	08/25/12 16:45 CST		0	Thunderstorm Wind (EG 61 kt)
	08/25/12 16:45 CST		0	Source: Public
Public estimated wind gusts of 70 mph. No damage reported.				
KINGFISHER COUNTY --- 9.0 N CASHION [35.93, -97.68]				
	08/25/12 17:40 CST		0	Thunderstorm Wind (EG 52 kt)
	08/25/12 17:40 CST		0	Source: COOP Observer
Observer estimated wind gusts of 60 mph. No damage reported.				
WASHITA COUNTY --- SENTINEL [35.16, -99.17]				
	08/25/12 19:40 CST		3K	Thunderstorm Wind (EG 52 kt)
	08/25/12 19:40 CST		0	Source: Fire Department/Rescue
Power lines were reported down.				
WASHITA COUNTY --- 1.7 E DILL CITY [35.28, -99.10]				
	08/25/12 19:50 CST		2K	Thunderstorm Wind (EG 52 kt)
	08/25/12 19:50 CST		0	Source: Fire Department/Rescue
Trees were reported down.				
<p>A dryline stretched along the border between Oklahoma and the Texas Panhandle, with hot and very humid air in place to its east. Numerous thunderstorms developed throughout the afternoon and evening across much of central and western Oklahoma, with scattered reports of severe wind gusts.</p>				
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				
	08/01/12 00:00 CST		0	Drought
	08/31/12 23:59 CST		0	
Hot and dry conditions continued for much of the month beneath a persistent upper-level ridge over the southern Plains. Drought conditions in western north Texas remained severe.				