

Storm Data and Unusual Weather Phenomena - August 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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-Z014) ROGER MILLS, (OK-Z015) DEWEY, (OK-Z016) CUSTER, (OK-Z017) BLAINE, (OK-Z021) BECKHAM, (OK-Z022) WASHITA, (OK-Z023) CADDO, (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-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				
	08/01/13 00:00 CST		0	Drought
	08/31/13 23:59 CST		0	
Precipitation over most of Oklahoma was relatively plentiful during the first half of the month over northern and central sections of the state. This was followed by drier conditions to end the month. Ultimately, drought conditions improved slightly over the northern two-thirds of the state, while holding to slightly worsening over the southern tier of counties.				
HARPER COUNTY --- 8.3 SW LAVERNE [36.62, -100.00]				
	08/06/13 17:55 CST		0	Hail (1.50 in)
	08/06/13 17:55 CST		0	Source: Public
HARPER COUNTY --- 11.3 NW BUFFALO [36.95, -99.77]				
	08/06/13 18:45 CST		0	Thunderstorm Wind (EG 56 kt)
	08/06/13 18:45 CST		0	Source: Public
The public estimated a gust to 65 mph.				
WOODWARD COUNTY --- 5.2 ESE QUINLAN [36.43, -98.96]				
	08/06/13 20:44 CST		0	Thunderstorm Wind (MG 57 kt)
	08/06/13 20:44 CST		0	Source: Trained Spotter
High-based multicells and supercells developed over the southern High Plains during the afternoon and drifted eastward. A few of the storms moved into northwest Oklahoma during the evening, producing large hail and severe wind gusts.				
JACKSON COUNTY --- 2.3 W ELDORADO [34.47, -99.69]				
	08/07/13 21:15 CST		10K	Thunderstorm Wind (EG 52 kt)
	08/07/13 21:15 CST		0	Source: Emergency Manager
Emergency Manager reported power lines down.				
WASHITA COUNTY --- 4.0 WNW BESSIE [35.41, -99.05]				
	08/07/13 23:30 CST		0	Thunderstorm Wind (MG 56 kt)
	08/07/13 23:30 CST		0	Source: Mesonet
DEWEY COUNTY --- 3.6 WNW CAMARGO [36.04, -99.35]				
	08/08/13 00:25 CST		0	Thunderstorm Wind (MG 56 kt)
	08/08/13 00:25 CST		0	Source: Mesonet
WOODS COUNTY --- 3.1 WNW HOPETON [36.71, -98.72]				
	08/08/13 01:10 CST		0	Thunderstorm Wind (MG 50 kt)
	08/08/13 01:10 CST		0	Source: Mesonet
KAY COUNTY --- BLACKWELL [36.80, -97.28]				
	08/08/13 02:35 CST		0	Thunderstorm Wind (MG 55 kt)
	08/08/13 02:35 CST		0	Source: ASOS
Numerous supercells and multicells developed over the High Plains from west Texas to western Nebraska during the afternoon. These eventually congealed into an extensive MCS that moved through western Oklahoma overnight, resulting in several severe wind reports.				
KIOWA COUNTY --- ROOSEVELT [34.85, -99.02]				
	08/08/13 18:10 CST		0	Hail (1.00 in)
	08/08/13 18:10 CST		0	Source: Public

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At the intersection of Highways 19 and 183.				
WASHITA COUNTY --- 0.7 S DILL CITY [35.27, -99.13]				
	08/08/13 19:40 CST		0	Hail (1.00 in)
	08/08/13 19:40 CST		0	Source: Amateur Radio
COMANCHE COUNTY --- 1.7 E INDIAHOMA [34.62, -98.72]				
	08/08/13 19:46 CST		0	Hail (1.75 in)
	08/08/13 19:46 CST		0	Source: Amateur Radio
Half dollar to golfball size hail.				
WASHITA COUNTY --- 0.6 E (CSM)CLINTON SHERMAN AIRPORT [35.34, -99.19]				
	08/08/13 19:53 CST		0	Thunderstorm Wind (MG 59 kt)
	08/08/13 19:53 CST		0	Source: ASOS
KCSM recorded a gust to 68 mph.				
CUSTER COUNTY --- 2.7 NW FOSS RES DAM [35.57, -99.22]				
	08/08/13 20:45 CST		5K	Thunderstorm Wind (EG 52 kt)
	08/08/13 20:45 CST		0	Source: Public
A 42-foot trailer was blown over.				
GRADY COUNTY --- 1.8 WNW NINNEKAH [34.96, -97.95]				
	08/08/13 22:00 CST		0	Thunderstorm Wind (MG 54 kt)
	08/08/13 22:00 CST		0	Source: Mesonet
OKLAHOMA COUNTY --- 2.3 NNE WARR ACRES [35.55, -97.60], 1.9 W NICHOLS HILLS [35.55, -97.57], 2.6 SW NICHOLS HILLS [35.53, -97.57], 1.0 ENE WARR ACRES [35.53, -97.60]				
	08/08/13 23:15 CST		20K	Flash Flood (due to Heavy Rain)
	08/09/13 01:15 CST		0	Source: Law Enforcement
Water over roadways at Northwest Expressway and Libby as well as other locations in Northwest Oklahoma City.				
OKLAHOMA COUNTY --- 2.6 SSE BETHANY [35.48, -97.62], 4.1 SSE BETHANY [35.45, -97.61], 4.5 N (OKC)WILL ROGERS APT [35.45, -97.59], 3.5 SSE WARR ACRES [35.48, -97.59]				
	08/08/13 23:30 CST		0	Flash Flood (due to Heavy Rain)
	08/09/13 01:30 CST		0	Source: Law Enforcement
Water over westbound lanes of I-40 and May Ave.				
OKLAHOMA COUNTY --- 1.3 N THE VILLAGE [35.59, -97.55], 2.3 N THE VILLAGE [35.60, -97.55], 2.8 NW THE VILLAGE [35.60, -97.58], 2.0 NW THE VILLAGE [35.59, -97.58]				
	08/08/13 23:32 CST	1	50K	Flash Flood (due to Heavy Rain)
	08/09/13 01:32 CST		0	Source: Law Enforcement
Three vehicles stalled at 122nd and Penn Ave. One fatality occurred at the intersection of Barnes and 188th when a middle aged man was swept away into a nearby drainage culvert. Time of fatality was around 0130 CDT on August 9th.				
Direct Fatalities: M60OT				
Numerous multicell thunderstorms developed over west Texas into far western Oklahoma during the afternoon, then progressed eastward toward the I-35 corridor by evening. Several reports of severe hail and wind were received as the storms moved through.				
CARTER COUNTY --- 4.9 S ARDMORE [34.10, -97.13]				
	08/09/13 17:15 CST		0	Hail (1.50 in)
	08/09/13 17:15 CST		0	Source: Emergency Manager
LOVE COUNTY --- 2.1 NNW LAKE MURRAY DAM [34.06, -97.07]				

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	08/09/13 17:19 CST		0	Hail (1.25 in)
	08/09/13 17:19 CST		0	Source: Public
Quarter to half dollar size hail reported.				
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LOVE COUNTY --- 0.6 W OVERBROOK [34.07, -97.15]				
	08/09/13 17:25 CST		0	Hail (1.75 in)
	08/09/13 17:25 CST		0	Source: Public
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LOVE COUNTY --- 2.8 NNW LAKE MURRAY DAM [34.07, -97.07]				
	08/09/13 17:40 CST		0	Thunderstorm Wind (EG 52 kt)
	08/09/13 17:40 CST		0	Source: Public
The public estimated gusts to 50-60 mph.				
Multicells and supercells developed near a weak frontal boundary that extended from northeast to southwest Oklahoma during the afternoon. One cell moved over the Lake Murray area and produced severe wind and hail.				
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HARMON COUNTY --- 4.8 NW MC KNIGHT [34.82, -99.97]				
	08/11/13 18:35 CST		0	Thunderstorm Wind (EG 52 kt)
	08/11/13 18:35 CST		0	Source: Public
The public estimated gusts of 50-60 mph.				
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HARMON COUNTY --- 1.7 E VINSON [34.90, -99.83]				
	08/11/13 18:50 CST		2K	Thunderstorm Wind (EG 52 kt)
	08/11/13 18:50 CST		0	Source: Public
Gusts estimated around 60 mph resulted in a few downed trees.				
Multicell thunderstorms developed over the Texas Panhandle during the afternoon and drifted eastward. One cell produced damaging winds near Vincent in Harmon County during the early evening.				
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CUSTER COUNTY --- 5.3 ENE THOMAS [35.79, -98.67]				
	08/12/13 15:15 CST		0	Hail (1.00 in)
	08/12/13 15:15 CST		0	Source: Trained Spotter
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PONTOTOC COUNTY --- ALLEN [34.88, -96.41]				
	08/12/13 15:15 CST		20K	Thunderstorm Wind (EG 50 kt)
	08/12/13 15:15 CST		0	Source: Emergency Manager
Delayed report of a few shingles blown of roofs.				
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MURRAY COUNTY --- 2.3 W SULPHUR [34.51, -97.01]				
	08/12/13 16:33 CST		10K	Thunderstorm Wind (EG 56 kt)
	08/12/13 16:33 CST		0	Source: Emergency Manager
Numerous large tree branches downed along with numerous power outages.				
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CADDO COUNTY --- 3.2 NNW FT COBB RES DAM [35.20, -98.48]				
	08/12/13 17:48 CST		0	Hail (1.00 in)
	08/12/13 17:48 CST		0	Source: Emergency Manager
The hail fell at county road 1250 and Whippoorwill.				
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MURRAY COUNTY --- 3.1 NE DAVIS [34.53, -97.08], 2.6 WNW SULPHUR [34.52, -97.01], 2.9 WSW SULPHUR [34.49, -97.02], 2.1 ESE DAVIS [34.49, -97.09]				
	08/12/13 18:38 CST		0	Flash Flood (due to Heavy Rain)
	08/12/13 20:38 CST		0	Source: Emergency Manager
County road 7 between Sulphur and Davis closed due to rushing water over roadway.				

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CANADIAN COUNTY --- 3.9 SSE YUKON [35.45, -97.71]				
	08/12/13 21:10 CST		8K	Thunderstorm Wind (EG 52 kt)
	08/12/13 21:10 CST		0	Source: Public
Minor damage to fencing and outdoor furniture at I-40 and Morgan Rd.				
Several multicell thunderstorms developed along a weak trough over central Oklahoma during the late afternoon and evening hours of the 12th. Storms moved east southeast, resulting in sporadic wind damage, hail and flash flooding. Storms weakened overnight as the atmosphere became more stable.				
TILLMAN COUNTY --- 2.1 S GRANDFIELD [34.20, -98.69]				
	08/15/13 14:25 CST		0	Hail (1.00 in)
	08/15/13 14:25 CST		0	Source: Amateur Radio
TILLMAN COUNTY --- 2.4 SSE GRANDFIELD [34.20, -98.67]				
	08/15/13 14:30 CST		0	Hail (1.50 in)
	08/15/13 14:30 CST		0	Source: Amateur Radio
No damage reported.				
COTTON COUNTY --- 2.1 N DEVOL [34.22, -98.59]				
	08/15/13 14:40 CST		0	Hail (1.75 in)
	08/15/13 14:40 CST		0	Source: Other Federal Agency
Reported by rural mail carrier. No damage reported.				
CADDO COUNTY --- COGAR [35.33, -98.13]				
	08/15/13 15:16 CST		0	Hail (1.00 in)
	08/15/13 15:16 CST		0	Source: Public
CADDO COUNTY --- 0.7 N CYRIL [34.91, -98.20]				
	08/15/13 15:52 CST		0	Thunderstorm Wind (EG 52 kt)
	08/15/13 15:52 CST		0	Source: Amateur Radio
No damage was reported.				
COMANCHE COUNTY --- 0.9 NW STERLING [34.76, -98.18]				
	08/15/13 16:00 CST		6K	Thunderstorm Wind (EG 61 kt)
	08/15/13 16:00 CST		0	Source: Trained Spotter
Several 6 to 8 inch diameter tree limbs down.				
COMANCHE COUNTY --- 4.2 S STERLING [34.69, -98.17]				
	08/15/13 16:15 CST		6K	Thunderstorm Wind (EG 61 kt)
	08/15/13 16:15 CST		0	Source: Trained Spotter
Four power poles snapped at base.				
COMANCHE COUNTY --- FLETCHER [34.82, -98.24]				
	08/15/13 16:25 CST		55K	Thunderstorm Wind (EG 70 kt)
	08/15/13 16:25 CST		0	Source: Emergency Manager
Commercial building roof collapsed. Several carports blown away with 3 utility poles snapped.				
COMANCHE COUNTY --- STERLING [34.75, -98.17]				
	08/15/13 16:25 CST		0	Thunderstorm Wind (EG 52 kt)
	08/15/13 16:25 CST		0	Source: Amateur Radio
Four and five inch diameter tree limbs down at Sterling High School.				
WOODS COUNTY --- 7.8 NW ALVA [36.88, -98.77]				

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	08/15/13 21:55 CST		0	Hail (1.00 in)
	08/15/13 21:55 CST		0	Source: Public
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WOODS COUNTY --- 6.1 E WAYNOKA [36.58, -98.77]				
	08/15/13 22:45 CST		0	Hail (1.00 in)
	08/15/13 22:45 CST		0	Source: Public
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ROGER MILLS COUNTY --- 9.2 NNE DURHAM [35.96, -99.85]				
	08/15/13 23:10 CST		0	Hail (1.00 in)
	08/15/13 23:10 CST		0	Source: Trained Spotter
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ROGER MILLS COUNTY --- REYDON [35.65, -99.92]				
	08/16/13 00:00 CST		0	Hail (1.50 in)
	08/16/13 00:00 CST		0	Source: Public
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No damage reported.				
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ROGER MILLS COUNTY --- REYDON [35.65, -99.92]				
	08/16/13 00:00 CST		0	Thunderstorm Wind (EG 52 kt)
	08/16/13 00:00 CST		0	Source: Public
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A few larger trees down.				
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ROGER MILLS COUNTY --- 2.8 NNW SWEETWATER [35.46, -99.92]				
	08/16/13 00:20 CST		0	Hail (1.00 in)
	08/16/13 00:20 CST		0	Source: Public
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BECKHAM COUNTY --- 4.5 W SWEETWATER [35.42, -99.99]				
	08/16/13 00:25 CST		0	Hail (2.25 in)
	08/16/13 00:25 CST		0	Source: Public
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No damage reported.				
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HARMON COUNTY --- 6.0 SSW HOLLIS [34.61, -99.96]				
	08/16/13 02:35 CST		0	Thunderstorm Wind (EG 52 kt)
	08/16/13 02:35 CST		0	Source: Public
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No damage reported.				
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<p>A potent upper level low pressure system combined with an unseasonably moist and unstable airmass across Oklahoma to promote severe thunderstorms. Storms initially developed over western Oklahoma and migrated southward overnight, with sporadic damaging wind and large hail reports from the Kansas Oklahoma border southward to the Red River. Persistent heavy rainfall also led to flash flooding in some areas.</p>				
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TEXAS, Western North				
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(TX-Z083) HARDEMAN, (TX-Z084) FOARD, (TX-Z085) WILBARGER, (TX-Z086) WICHITA, (TX-Z087) KNOX, (TX-Z088) BAYLOR, (TX-Z089) ARCHER, (TX-Z090) CLAY				
	08/01/13 00:00 CST		0	Drought
	08/31/13 23:59 CST		0	
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<p>With precipitation amounts near to slightly above average for August, the ongoing severe drought eased slightly over western north Texas.</p>				
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HARDEMAN COUNTY --- 2.9 WSW GOODLETT [34.33, -99.93]				
	08/07/13 20:30 CST		12K	Thunderstorm Wind (MG 65 kt)
	08/07/13 20:30 CST		0	Source: Mesonet

An empty semi was overturned 2 miles west of Goodlett.

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Numerous supercells and multicells developed over the High Plains from west Texas to western Nebraska during the afternoon. These eventually congealed into an extensive MCS that moved through western north Texas in the evening, resulting in a severe wind report.

BAYLOR COUNTY --- 0.6 W WESTOVER [33.50, -99.02]

	08/15/13 14:45 CST		0	Hail (1.00 in)
	08/15/13 14:45 CST		0	Source: Public

Numerous multicell thunderstorms developed over west Texas during the afternoon, and a severe wind report was received as one cell moved over Seymour.

BAYLOR COUNTY --- 0.6 W WESTOVER [33.50, -99.02]

	08/15/13 14:45 CST		0	Thunderstorm Wind (EG 52 kt)
	08/15/13 14:45 CST		0	Source: Public

No damage was reported.

CLAY COUNTY --- HENRIETTA [33.82, -98.19]

	08/15/13 18:00 CST		5K	Thunderstorm Wind (EG 55 kt)
	08/15/13 18:00 CST		0	Source: Emergency Manager

Several six inch diameter tree limbs and one utility pole down.

CLAY COUNTY --- BELLEVUE [33.63, -98.02]

	08/15/13 18:40 CST		20K	Thunderstorm Wind (EG 56 kt)
	08/15/13 18:40 CST		0	Source: Emergency Manager

RV overturned on highway 287. No injuries reported.

CLAY COUNTY --- 0.9 SW VASHTI [33.55, -98.05]

	08/15/13 18:48 CST		16K	Thunderstorm Wind (EG 61 kt)
	08/15/13 18:48 CST		0	Source: Emergency Manager

Two barns de-roofed. At least one carport was also destroyed.

ARCHER COUNTY --- SCOTLAND [33.66, -98.47]

	08/16/13 03:25 CST		5K	Thunderstorm Wind (EG 52 kt)
	08/16/13 03:25 CST		0	Source: Public

Numerous 4 to 6 inch diameter tree limbs down. Time estimated from radar.

ARCHER COUNTY --- WINDTHORST [33.58, -98.44]

	08/16/13 03:35 CST		0.15M	Thunderstorm Wind (EG 61 kt)
	08/16/13 03:35 CST		0	Source: Insurance Company

Minor structural damage in Windthorst with numerous downed trees and power lines and poles.

WICHITA COUNTY --- 0.9 SW (SPS)SHEPPARD AFB [33.98, -98.50]

	08/16/13 05:20 CST		0	Thunderstorm Wind (MG 51 kt)
	08/16/13 05:20 CST		0	Source: ASOS

No damage was reported.

A potent upper level low pressure system combined with an unseasonably moist and unstable airmass across Oklahoma and north Texas to promote severe thunderstorms. Storms initially developed over western Oklahoma and migrated southward overnight, reaching western north Texas during the wee morning hours of the 16th. Sporadic wind and hail damage occurred before storms finally moved south into central Texas.