

## Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>OKLAHOMA, Western, Central and Southeast</b>				
<b>(OK-Z004) HARPER</b>				
	08/01/10 00:00 CST		0	Drought
	08/16/10 23:59 CST		0	
<p>Very dry conditions had existed over Harper county for a few months with below normal precipitation totals occurring since June. It is too early to tell what impacts the dry conditions would have on area crops.</p>				
<b>KAY COUNTY --- BRAMAN [36.92, -97.33]</b>				
	08/04/10 16:25 CST		7K	Thunderstorm Wind (EG 61 kt)
	08/04/10 16:26 CST		0	Source: Emergency Manager
<p>A roof was blown off a barn. Several tree limbs were downed as well. Monetary damages were estimated.</p>				
<b>KAY COUNTY --- 1.0 E CHILOCCO [36.99, -97.05]</b>				
	08/04/10 16:40 CST		0	Thunderstorm Wind (EG 65 kt)
	08/04/10 16:41 CST		0	Source: Emergency Manager
<p>A gas station canopy was blown onto a car just south of the Oklahoma/Kansas state line. Monetary damage estimates were not available.</p>				
<b>KAY COUNTY --- 8.0 E NEWKIRK [36.88, -96.92]</b>				
	08/04/10 17:00 CST		0	Thunderstorm Wind (MG 51 kt)
	08/04/10 17:00 CST		0	Source: Mesonet
<b>KAY COUNTY --- 3.0 W PONCA CITY [36.70, -97.13]</b>				
	08/04/10 17:42 CST		0	Thunderstorm Wind (MG 52 kt)
	08/04/10 17:42 CST		0	Source: Emergency Manager
<b>KAY COUNTY --- 5.0 WSW PONCA CITY [36.67, -97.16]</b>				
	08/04/10 17:45 CST		0	Hail (1.00 in)
	08/04/10 17:45 CST		0	Source: Emergency Manager
<b>NOBLE COUNTY --- 2.0 SE MARLAND [36.54, -97.12]</b>				
	08/04/10 18:40 CST		0	Hail (1.00 in)
	08/04/10 18:40 CST		0	Source: Public
<p>Thunderstorms developed along a weak cold front, with a few storms producing strong winds and marginally severe hail were reported over Kay and Noble counties. Wind damage was reported near Chilocco and Braman in Kay county.</p>				
<b>HARPER COUNTY --- 10.0 NNW BUFFALO [36.96, -99.70]</b>				
	08/07/10 17:30 CST		3K	Thunderstorm Wind (EG 52 kt)
	08/07/10 17:31 CST		0	Source: Law Enforcement
<p>Power lines were downed near the intersection of Willard Road and Adobe Springs Road. The time was estimated based on radar. Monetary damages were estimated.</p>				
<b>WOODS COUNTY --- 18.7 WNW CAMP HOUSTON [36.95, -99.41]</b>				
	08/07/10 17:55 CST		0	Thunderstorm Wind (EG 52 kt)
	08/07/10 17:55 CST		0	Source: Public
<p>No damage was reported with the wind gust.</p>				
<b>HARPER COUNTY --- 4.0 ENE BUFFALO [36.85, -99.56]</b>				
	08/07/10 18:00 CST		3K	Thunderstorm Wind (EG 56 kt)
	08/07/10 18:01 CST		0	Source: Law Enforcement
<p>A power pole and the associated power lines were downed on Highway 64. Monetary damages were estimated.</p>				
<p>Thunderstorms developed near a stalled front across northwest Oklahoma and adjacent portions of southwest Kansas. Damaging</p>				

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<b>straight line winds occurred north of Buffalo in Harper county and east into northwest Woods county.</b>				
<b>GARFIELD COUNTY --- NORTH ENID [36.44, -97.87]</b>				
	08/08/10 17:10 CST		0.80K	Thunderstorm Wind (EG 56 kt)
	08/08/10 17:11 CST		0	Source: Emergency Manager
A couple of highway signs were damaged and several large tree limbs were downed. Monetary damages were estimated.				
<b>A marginally severe thunderstorm developed west of Enid and moved northeast. Damaging winds were reported over North Enid, damaging highway signs and downing a few large tree limbs.</b>				
<b>ALFALFA COUNTY --- 5.0 W BURLINGTON [36.90, -98.51]</b>				
	08/14/10 17:55 CST		0	Thunderstorm Wind (EG 52 kt)
	08/14/10 17:55 CST		0	Source: Public
No damage was reported with the wind gust.				
<b>KAY COUNTY --- BRAMAN [36.92, -97.33]</b>				
	08/14/10 19:10 CST		0	Thunderstorm Wind (MG 56 kt)
	08/14/10 19:10 CST		0	Source: COOP Observer
<b>KAY COUNTY --- 8.0 E NEWKIRK [36.88, -96.92]</b>				
	08/14/10 20:05 CST		0	Thunderstorm Wind (MG 50 kt)
	08/14/10 20:05 CST		0	Source: Mesonet
<b>Severe thunderstorms developed over south-central Kansas, ahead of a cold front that moved slowly toward northern Oklahoma. By late mid evening, the thunderstorms moved into Alfalfa, Grant, and Kay counties. Strong winds accompanied the thunderstorms, with gusts around 60 mph reported near Braman and Newkirk. No damage was reported with the gusts.</b>				
<b>CADDO COUNTY --- 7.0 W HINTON [35.47, -98.48]</b>				
	08/16/10 17:55 CST		0	Thunderstorm Wind (MG 52 kt)
	08/16/10 17:55 CST		0	Source: Mesonet
<b>Scattered thunderstorms developed along a cold front and one storm west of hinton briefly became severe. No damage was reported with the thunderstorm.</b>				
<b>GARFIELD COUNTY --- KREMLIN [36.55, -97.83]</b>				
	08/20/10 18:40 CST		3K	Thunderstorm Wind (EG 56 kt)
	08/20/10 18:41 CST		0	Source: Emergency Manager
A couple of power poles were snapped approximately 8 feet from base. The poles were downed along the roadway. Monetary damages were estimated.				
<b>MAJOR COUNTY --- RINGWOOD [36.38, -98.25]</b>				
	08/20/10 19:15 CST		1K	Thunderstorm Wind (EG 56 kt)
	08/20/10 19:16 CST		0	Source: Emergency Manager
Large tree limbs were downed across the town. Monetary damages were estimated.				
<b>GARFIELD COUNTY --- 2.0 WSW ENID [36.39, -97.91]</b>				
	08/20/10 19:50 CST		1.50K	Thunderstorm Wind (EG 52 kt)
	08/20/10 19:51 CST		0	Source: Emergency Manager
Large tree limbs up to eight inches in diameter were downed, mainly across the western sides of Enid. Monetary damages were estimated.				
<b>BLAINE COUNTY --- SOUTHARD [36.06, -98.48]</b>				
	08/20/10 20:20 CST		0	Thunderstorm Wind (EG 52 kt)
	08/20/10 20:21 CST		0	Source: Emergency Manager
No damage was reported with the wind gust.				
<b>Thunderstorms developed along a weak front and moved east and southeast through the early to mid evening hours. Strong winds accompanied the thunderstorms, producing some damage in the form of downed tree limbs and broken power poles. The storms weakened below severe limits shortly after sunset.</b>				

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<b>MURRAY COUNTY --- DAVIS [34.50, -97.12]</b>				
	08/21/10 15:15 CST		5K	Thunderstorm Wind (EG 56 kt)
	08/21/10 15:16 CST		0	Source: Law Enforcement
Power lines were downed throughout town. Monetary damages were estimated.				
<b>JACKSON COUNTY --- 6.0 SW DUKE [34.60, -99.64]</b>				
	08/21/10 17:10 CST		0	Thunderstorm Wind (EG 52 kt)
	08/21/10 17:10 CST		0	Source: Law Enforcement
No damage was reported with the wind gust.				
<b>JEFFERSON COUNTY --- 1.0 N RINGLING [34.19, -97.59]</b>				
	08/21/10 17:45 CST		0	Thunderstorm Wind (MG 56 kt)
	08/21/10 17:45 CST		0	Source: Mesonet
<b>CLEVELAND COUNTY --- 1.9 E NORMAN [35.22, -97.41], 1.6 E (OUN)NORMAN WESTHEIMER ARPT [35.25, -97.44]</b>				
	08/21/10 17:50 CST		0	Thunderstorm Wind (EG 61 kt)
	08/21/10 18:00 CST		0	Source: NWS Storm Survey
A wet microburst caused a fairly concentrated area of wind damage between 1850 and 1900 CDT. The damage was reported from near Tecumseh Road and 24th Avenue Northwest, southeast toward Main Street and 12th Avenue Northeast. Many tree limbs greater than four inches in diameter were downed (along with several smaller limbs), power poles were snapped, tree trunks greater than a foot in diameter were snapped, shingles were blown off of roofs, and several fence panels were blown down. Rainfall totals from the event ranged from one to two inches, most of which fell in about 30 minutes. Monetary damage estimates were not available.				
<b>COMANCHE COUNTY --- LAWTON [34.61, -98.39]</b>				
	08/21/10 20:55 CST		0	Thunderstorm Wind (MG 57 kt)
	08/21/10 20:55 CST		0	Source: ASOS
Scattered thunderstorms developed along a weak, slow-moving cold front. A few wind gusts exceeded 60 mph, and rainfall totals were between one and two inches over a very short amount of time. The high winds caused some damage, especially around the Norman area. Sporadic damage also occurred across southern Oklahoma.				
<b>CARTER COUNTY --- 2.0 N GRAHAM [34.37, -97.44]</b>				
	08/23/10 15:16 CST		0	Thunderstorm Wind (EG 52 kt)
	08/23/10 15:17 CST		0	Source: Public
No damage was reported with the wind gust.				
Pulse-type thunderstorms developed in the hot and humid air mass over Oklahoma, ahead of a strong cold that moved toward the southern Plains. Very little organization was associated with the thunderstorms, as most developed and collapsed quickly. Very heavy rainfall occurred for a short time, and winds gusted for a short time. One gust in Carter county reached around 60 mph, although no damage was reported.				
<b>CADDO COUNTY --- CYRIL [34.90, -98.20]</b>				
	08/31/10 14:15 CST		0	Thunderstorm Wind (EG 56 kt)
	08/31/10 14:16 CST		0	Source: Public
Strong winds knocked down several power poles and associated power lines. Cyril High School lost a portion of its roof. No injuries were reported. Monetary damage estimates were not available.				
<b>OKLAHOMA COUNTY --- 3.8 SW OKLAHOMA CITY [35.44, -97.57]</b>				
	08/31/10 15:55 CST		2K	Thunderstorm Wind (EG 52 kt)
	08/31/10 15:56 CST		0	Source: Amateur Radio
Several 4-inch diameter tree limbs were downed near SW 25 Street and May Avenue. Monetary damages were estimated.				
<b>GARFIELD COUNTY --- 3.6 W ENID [36.39, -97.94]</b>				
	08/31/10 16:00 CST		4K	Thunderstorm Wind (EG 56 kt)
	08/31/10 16:01 CST		0	Source: Emergency Manager

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Large power poles were downed near Garland Road and Highway 412. Monetary damages were estimated.

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### CADDO COUNTY --- 2.0 W CYRIL [34.90, -98.24]

	08/31/10 16:15 CST		0	Thunderstorm Wind (MG 56 kt)
	08/31/10 16:15 CST		0	Source: Amateur Radio

A hot and humid air mass continued over Oklahoma during the afternoon. Lift associated with a mid-level disturbance traveling east from New Mexico contributed to thunderstorm development during the mid afternoon hours. As was the case for several days, most of the thunderstorms were more pulse-like, causing them to form, strengthen, and collapse over a short amount of time. However, the downburst associated with the collapsing storm produced winds exceeding 60 mph over some locations, along with extremely heavy rainfall. The strong winds caused some damage to trees, power lines/poles, and some structures.

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## TEXAS, Western North

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### HARDEMAN COUNTY --- GOODLETT [34.34, -99.88]

	08/21/10 15:50 CST		0	Thunderstorm Wind (EG 52 kt)
	08/21/10 15:51 CST		0	Source: Public

No damage was reported with the wind gust.

A few thunderstorms developed ahead of a weak, slow-moving cold front and one briefly became severe. The winds gusted to near 60 mph near Goodlett, although no damage was reported.

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### BAYLOR COUNTY --- SEYMOUR MUNI ARPT [33.65, -99.26]

	08/31/10 14:10 CST		0	Thunderstorm Wind (EG 56 kt)
	08/31/10 14:11 CST		0	Source: Emergency Manager

Minor damage was reported at the airport. Monetary damage estimates were not available.

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### WICHITA COUNTY --- 2.1 W BURKBURNETT [34.10, -98.60]

	08/31/10 14:59 CST		0	Thunderstorm Wind (EG 56 kt)
	08/31/10 15:00 CST		0	Source: Emergency Manager

Minor damage was reported to a trailer home. Other homes also had shingles blown off their roofs near the intersection of Highway 240 and FM Road 369. Monetary damage estimates were not available.

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### WICHITA COUNTY --- BURKBURNETT [34.09, -98.56]

	08/31/10 15:05 CST		0	Thunderstorm Wind (EG 56 kt)
	08/31/10 15:06 CST		0	Source: Emergency Manager

Several power lines were downed across town, with one causing a structural fire. Monetary damages were not available.

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### CLAY COUNTY --- 2.9 WSW CHARLIE [34.08, -98.37]

	08/31/10 16:00 CST		1.50K	Thunderstorm Wind (EG 65 kt)
	08/31/10 16:01 CST		0	Source: Emergency Manager

A wooden utility pole was blown down near the intersection of FM 171 and Linville Road. Monetary damage were estimated.

A hot and humid air mass continued over north Texas during the afternoon. Lift associated with a mid-level disturbance traveling east from New Mexico contributed to thunderstorm development during the mid afternoon hours. As was the case for several days, most of the thunderstorms were more pulse-like, causing them to form, strengthen, and collapse over a short amount of time. However, the downburst associated with the collapsing storm produced winds exceeding 60 mph over some locations, along with extremely heavy rainfall. The strong winds caused some damage to trees, power lines/poles, and some structures.