

## Storm Data and Unusual Weather Phenomena - August 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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### ARKANSAS, Northwest

(AR-Z001) BENTON, (AR-Z002) CARROLL, (AR-Z010) WASHINGTON, (AR-Z011) MADISON, (AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN

08/01/11 00:00 CST	0	Drought
08/31/11 23:59 CST	0	

A persistent subtropical ridge of high pressure continued to dominate the weather across the south central United States during much of August, resulting in prolonged hot and dry weather across the region. As a result, drought conditions worsened during the early half of the month across northwestern Arkansas with Sebastian and Crawford Counties slipping into extreme drought conditions while severe drought conditions developed across the remainder of the region. Some relief was felt by month's end as several precipitation events that affected northwestern Arkansas resulted in a lot of the area ultimately receiving near to slightly above normal precipitation amounts for the month. Being that August is typically one of the driest months of the year in this region of the country, the affects of the long-term drought were only subtly improved. Monetary damages as a result of the drought were not available.

(AR-Z001) BENTON, (AR-Z002) CARROLL, (AR-Z010) WASHINGTON, (AR-Z011) MADISON, (AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN

08/01/11 00:00 CST	0	Excessive Heat
08/09/11 20:00 CST	0	

A strong ridge of high pressure that dominated the weather across the south central United States for much of July, continued through the first couple weeks of August. Unseasonably hot weather resulted across the region with official records at the Fort Smith Airport indicating that August 2011 was the 2nd hottest August on record since 1882. The string of days on which temperatures exceeded 100 degrees at the Fort Smith Airport continued through the 8th of the month, setting a new record at 35 consecutive days. During this period, the hottest all-time temperature was also measured in Fort Smith, which was 115 degrees and was recorded on August 3rd. The humidity combined with this heat resulted in afternoon heat indices in the 105 to 115 degree range. Little relief from the heat was realized at night as temperatures only fell to near 80 degrees.

(AR-Z029) SEBASTIAN

08/01/11 00:00 CST	6M	Wildfire
08/07/11 00:00 CST	0	

Very dry, hot, and breezy conditions, along with extremely dry fuels as a result of the long-term drought the region has experienced, promoted the rapid spread of a wildfire on the 3rd. This fire was originally started on July 28th by a child playing with fireworks near Greenwood. The fire spread onto the Fort Chaffee military installation and was under control on the 29th thanks to the work of numerous fire departments and the National Guard. Although it was under control, the fire continued to flare up from time to time. The resurgence of the fire on August 3rd resulted in 120 structures being burned down.

CRAWFORD COUNTY --- 2.8 S VAN BUREN [35.39, -94.35]

08/04/11 03:10 CST	10K	Thunderstorm Wind (EG 56 kt)
08/04/11 03:10 CST	0	Source: Newspaper

Strong thunderstorm wind snapped large tree limbs and lifted a boat dock out of the water, overturning it onto the shore.

Isolated thunderstorms occurred during the early morning of August 4th over parts of west-central Arkansas along a weak frontal boundary. One thunderstorm resulted in significant wind damage along the river east of Fort Smith.

(AR-Z001) BENTON

08/05/11 12:00 CST	0.50M	Wildfire
08/06/11 09:00 CST	1	0

Very dry, hot, and breezy conditions, along with extremely dry fuels as a result of the long-term drought the region has experienced, promoted the rapid spread of a wildfire near Gravette and Maysville on the 5th. The fire burned two chicken houses, a barn and a vehicle. One of the fireman fighting the fire was transported to a local hospital with heat exhaustion. Local fire departments, Arkansas State Forestry, and the National Guard battled this wildfire that burned at least 900 acres before it was controlled.

CARROLL COUNTY --- 4.7 WSW CABANAL [36.26, -93.61]

08/06/11 18:30 CST	10K	Thunderstorm Wind (EG 52 kt)
08/06/11 18:30 CST	0	Source: Public

Strong thunderstorm wind blew down large tree limbs and power lines.

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Thunderstorms that developed over eastern Oklahoma moved into the northwestern corner of Arkansas, with much of the activity weakening. One of the storms produced isolated damaging wind gusts over portions of Carroll County.

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**BENTON COUNTY --- 3.0 E ROGERS [36.33, -94.07]**

	08/08/11 13:42 CST		0	Hail (1.00 in)
	08/08/11 13:42 CST		0	Source: Public

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**BENTON COUNTY --- 3.0 N LOWELL [36.29, -94.13]**

	08/08/11 13:44 CST		0	Thunderstorm Wind (EG 61 kt)
	08/08/11 13:44 CST		0	Source: Trained Spotter

Strong thunderstorm wind blew down large tree limbs onto the roadway.

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**MADISON COUNTY --- AURORA [36.00, -93.70]**

	08/08/11 14:33 CST		0	Thunderstorm Wind (EG 56 kt)
	08/08/11 14:33 CST		0	Source: Public

Strong thunderstorm wind blew down numerous large tree limbs.

Thunderstorms developed along a weak surface boundary over northwestern Arkansas during the early afternoon of August 8th. The stronger storms produced damaging winds and large hail.

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**BENTON COUNTY --- 3.4 NNW BELLA VISTA [36.48, -94.25]**

	08/10/11 03:00 CST		0	Thunderstorm Wind (EG 52 kt)
	08/10/11 03:00 CST		0	Source: Public

Strong thunderstorm wind blew down numerous large tree limbs.

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**CRAWFORD COUNTY --- 2.0 N VAN BUREN [35.46, -94.35]**

	08/10/11 03:45 CST		4K	Thunderstorm Wind (EG 56 kt)
	08/10/11 03:45 CST		0	Source: Public

A carport was picked up by strong thunderstorm winds and blown across the road.

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**CRAWFORD COUNTY --- ALMA [35.48, -94.23]**

	08/10/11 03:50 CST		2K	Thunderstorm Wind (EG 52 kt)
	08/10/11 03:50 CST		0	Source: Public

Power lines were blown down by strong thunderstorm winds.

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**FRANKLIN COUNTY --- OZARK [35.50, -93.83]**

	08/10/11 04:13 CST		0	Thunderstorm Wind (EG 52 kt)
	08/10/11 04:13 CST		0	Source: Public

Numerous large tree limbs were blown down by strong thunderstorm winds.

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**SEBASTIAN COUNTY --- 1.1 N FT SMITH [35.40, -94.42], 1.6 NE FT SMITH [35.40, -94.40], 0.9 E FT SMITH [35.38, -94.40], 0.4 W FT SMITH [35.38, -94.43]**

	08/10/11 04:30 CST		0	Flash Flood (due to Heavy Rain)
	08/10/11 08:30 CST		0	Source: Public

Numerous roads were flooded in and around Fort Smith.

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**FRANKLIN COUNTY --- 1.4 SSE ALTUS [35.43, -93.76]**

	08/10/11 04:55 CST		5K	Thunderstorm Wind (EG 56 kt)
	08/10/11 04:55 CST		0	Source: Emergency Manager

Strong thunderstorm wind blew down large tree limbs and damaged the roof of a new mobile home.

Thunderstorms developed over portions of western Arkansas during the early morning hours of August 10th to the north of a stationary frontal boundary. Damaging winds and flash flooding occurred with some of this activity.

## Storm Data and Unusual Weather Phenomena - August 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>SEBASTIAN COUNTY --- 0.9 ESE GREENWOOD [35.22, -94.26]</b>				
	08/12/11 17:40 CST		40K	Thunderstorm Wind (EG 65 kt)
	08/12/11 17:40 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down a large tree onto a home, resulting in significant structural damage.				
<b>SEBASTIAN COUNTY --- 1.9 ESE GREENWOOD [35.21, -94.24]</b>				
	08/12/11 18:10 CST		0	Thunderstorm Wind (EG 56 kt)
	08/12/11 18:10 CST		0	Source: Law Enforcement
Strong thunderstorm wind blew down a large tree and numerous large tree limbs.				
<b>Thunderstorms developed over portions of western Arkansas in response to a warm front lifting through the area. A few of these storms became severe and produced damaging wind over parts of west-central Arkansas.</b>				
<b>SEBASTIAN COUNTY --- 0.5 NNE (FSM)FT SMITH MUNI A [35.34, -94.36]</b>				
	08/20/11 16:13 CST		0	Thunderstorm Wind (MG 52 kt)
	08/20/11 16:13 CST		0	Source: ASOS
The ASOS at the Fort Smith Regional Airport measured 60 mph thunderstorm wind gusts.				
<b>SEBASTIAN COUNTY --- 0.5 S FT SMITH [35.37, -94.42]</b>				
	08/20/11 16:13 CST		20K	Thunderstorm Wind (EG 65 kt)
	08/20/11 16:13 CST	1	0	Source: Trained Spotter
Strong thunderstorm wind blew out the windows of a local McDonalds restaurant on Highway 71 on the south side of town. Several trees were uprooted by the wind. One tree landed on two cars, resulting in head and neck injuries to a person in one of the vehicles.				
<b>CRAWFORD COUNTY --- NATURAL DAM [35.65, -94.40]</b>				
	08/20/11 16:33 CST		5K	Thunderstorm Wind (EG 65 kt)
	08/20/11 16:33 CST		0	Source: COOP Observer
Strong thunderstorm wind blew down the steeple of a local church. Numerous large tree limbs were also blown down by the wind.				
<b>CRAWFORD COUNTY --- 0.6 SW DYER [35.49, -94.14]</b>				
	08/20/11 16:45 CST		10K	Thunderstorm Wind (EG 56 kt)
	08/20/11 16:45 CST		0	Source: Law Enforcement
Strong thunderstorm wind damaged the roofs of several homes and blew down numerous large tree limbs.				
<b>FRANKLIN COUNTY --- 5.0 N VESTA [35.45, -94.03]</b>				
	08/20/11 16:50 CST		10K	Thunderstorm Wind (EG 65 kt)
	08/20/11 16:50 CST		0	Source: Emergency Manager
Many large trees were blown down by strong thunderstorm winds. Several travel trailers were overturned at River Ridge Park.				
<b>FRANKLIN COUNTY --- 4.0 WSW OZARK [35.48, -93.90]</b>				
	08/20/11 17:16 CST		0	Thunderstorm Wind (EG 65 kt)
	08/20/11 17:16 CST		0	Source: Emergency Manager
Several large trees were blown down by strong thunderstorm winds between Ozark and Pleasant View.				
<b>High-based thunderstorms developed over portions of western Arkansas on the afternoon of August 20th near a weak frontal boundary. Some of these storms produced damaging winds across portions of west-central Arkansas.</b>				

### OKLAHOMA, Eastern

(OK-Z049) PUSHMATAHA, (OK-Z053) CHOCTAW, (OK-Z054) OSAGE, (OK-Z055) WASHINGTON, (OK-Z056) NOWATA, (OK-Z057) CRAIG, (OK-Z058) OTTAWA, (OK-Z059) PAWNEE, (OK-Z060) TULSA, (OK-Z061) ROGERS, (OK-Z062) MAYES, (OK-Z063) DELAWARE, (OK-Z064) CREEK, (OK-Z065) OKFUSKEE, (OK-Z066) OKMULGEE, (OK-Z067) WAGONER, (OK-Z068) CHEROKEE, (OK-Z069) ADAIR, (OK-Z070) MUSKOGEE, (OK-Z071) MCINTOSH,

## Storm Data and Unusual Weather Phenomena - August 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>(OK-Z072) SEQUOYAH, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE FLORE</b>				
	08/01/11 00:00 CST		0	Drought
	08/31/11 23:59 CST		0	

A persistent subtropical ridge of high pressure continued to dominate the weather across the south central United States during much of August, resulting in prolonged hot and dry weather across the region. As a result, drought conditions worsened during the early half of the month across eastern Oklahoma with Okfuskee, Creek, and Pawnee Counties slipping into exceptional drought conditions while severe drought conditions developed across the remainder of the region with the exception of the far northeast part of the state. Some relief was felt by month's end across northeastern Oklahoma as several precipitation events that affected that region resulted in a lot of the area ultimately receiving near to slightly above normal precipitation amounts for the month. Being that August is typically one of the driest months of the year in this region of the country, the affects of the long-term drought were only subtly improved by this rainfall. Monetary damages as a result of the drought were not available.

<b>(OK-Z049) PUSHMATAHA, (OK-Z053) CHOCTAW, (OK-Z054) OSAGE, (OK-Z055) WASHINGTON, (OK-Z056) NOWATA, (OK-Z057) CRAIG, (OK-Z058) OTTAWA, (OK-Z059) PAWNEE, (OK-Z060) TULSA, (OK-Z061) ROGERS, (OK-Z062) MAYES, (OK-Z063) DELAWARE, (OK-Z064) CREEK, (OK-Z065) OKFUSKEE, (OK-Z066) OKMULGEE, (OK-Z067) WAGONER, (OK-Z068) CHEROKEE, (OK-Z069) ADAIR, (OK-Z070) MUSKOGEE, (OK-Z071) MCINTOSH, (OK-Z072) SEQUOYAH, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE FLORE</b>				
	08/01/11 00:00 CST	4	0	Excessive Heat
	08/10/11 19:00 CST	101	0	

Direct Fatalities: M61PS, M65??, M85PH, M91??

A strong ridge of high pressure that dominated the weather across the south central United States for much of July, continued through the first couple weeks of August. Unseasonably hot weather resulted across the region with official records at the Tulsa International Airport indicating that August 2011 was the 5th hottest August on record since 1905. During this period, the daily temperature exceeded 100 degrees and the hottest all-time temperature in Tulsa came to within two degrees of being broken on August 3rd when the temperature soared to 113 degrees. The humidity combined with this heat resulted in afternoon heat indices in the 105 to 115 degree range. Little relief from the heat was realized at night as temperatures only fell to near 80 degrees.

<b>(OK-Z064) CREEK</b>				
	08/02/11 13:00 CST		0.10M	Wildfire
	08/02/11 19:00 CST		0	

Very dry, hot, and breezy conditions, along with extremely dry fuels as a result of the long-term drought the region has experienced, promoted the rapid spread of a wildfire near Sapulpa on the 2nd. The fire burned a structure and an unknown number of acres before it was controlled.

<b>(OK-Z060) TULSA</b>				
	08/02/11 13:00 CST		1.75M	Wildfire
	08/02/11 23:00 CST		0	

Very dry, hot, and breezy conditions, along with extremely dry fuels as a result of the long-term drought the region has experienced, promoted the rapid spread of a wildfire near Turley on the 2nd. The fire burned eighteen homes (nine permanent homes were destroyed, three mobile homes were destroyed, five permanent homes had minor damage, and one permanent home had major damage) before it was controlled.

<b>(OK-Z073) PITTSBURG</b>				
	08/03/11 12:00 CST		0	Wildfire
	08/03/11 21:00 CST		0	

Very dry, hot, and breezy conditions, along with extremely dry fuels as a result of the long-term drought the region has experienced, promoted the rapid spread of several wildfires on the 3rd around Blanco in Pittsburg County. These fires combined burned at least 1100 acres before numerous fire departments, state forestry, and the National Guard could suppress them.

<b>(OK-Z054) OSAGE</b>				
	08/03/11 12:00 CST		75K	Wildfire
	08/03/11 21:00 CST		0	

Very dry, hot, and breezy conditions, along with extremely dry fuels as a result of the long-term drought the region has experienced, promoted the rapid spread of a wildfire near Prue in Osage County on the 3rd. The fire consumed about 700 acres and burned a residence, several outbuildings, and several vehicles before it was suppressed by numerous fire departments, state forestry, and the National Guard.

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<b>OSAGE COUNTY --- 0.6 WSW NELAGONEY [36.63, -96.24]</b>				
	08/03/11 17:20 CST		0	Thunderstorm Wind (EG 52 kt)
	08/03/11 17:20 CST		0	Source: Public
Strong thunderstorm wind blew down large tree limbs.				
<b>OSAGE COUNTY --- 6.0 NNE NELAGONEY [36.71, -96.19]</b>				
	08/03/11 17:44 CST		0	Thunderstorm Wind (EG 65 kt)
	08/03/11 17:44 CST		0	Source: Public
The grounds manager at Woolaroc State Park reported several large trees blown down at the entrance to the park. Several sheds were also damaged by the wind and a number of large tree limbs were blown down.				
<b>OSAGE COUNTY --- OKESA [36.72, -96.13]</b>				
	08/03/11 17:45 CST		0	Thunderstorm Wind (EG 52 kt)
	08/03/11 17:45 CST		0	Source: Public
Strong thunderstorm wind blew down numerous large tree limbs.				
<b>Thunderstorms developed during the late afternoon of August 3rd near a weak frontal boundary that was draped across northeastern Oklahoma. There were isolated occurrences of wind damage associated with a few of these storms.</b>				
<b>LE FLORE COUNTY --- 3.9 SSW BIG CEDAR [34.60, -94.70]</b>				
	08/04/11 16:25 CST		0	Hail (1.75 in)
	08/04/11 16:25 CST		0	Source: Public
<b>LE FLORE COUNTY --- 3.9 SSW BIG CEDAR [34.60, -94.70]</b>				
	08/04/11 16:45 CST		0	Hail (1.00 in)
	08/04/11 16:45 CST		0	Source: Public
<b>LATIMER COUNTY --- 0.3 E WILBURTON ARPT [34.92, -95.39]</b>				
	08/04/11 18:05 CST		10K	Thunderstorm Wind (EG 65 kt)
	08/04/11 18:05 CST		0	Source: Emergency Manager
Strong thunderstorm wind flipped an airplane at Wilburton Municipal Airport.				
<b>Thunderstorms developed south of a weak frontal boundary that extended across southeastern Oklahoma. A few of these thunderstorms became severe, resulting in large hail and damaging winds over parts of southeast Oklahoma.</b>				
<b>TULSA COUNTY --- 1.6 NNW ALSUMA [36.12, -95.88]</b>				
	08/06/11 17:08 CST		2K	Thunderstorm Wind (EG 56 kt)
	08/06/11 17:08 CST		0	Source: Public
A large flagpole was snapped at a local auto dealership and a motel sign was blown down.				
<b>TULSA COUNTY --- 1.8 ESE TULSA [36.14, -95.92]</b>				
	08/06/11 17:25 CST		5K	Thunderstorm Wind (EG 65 kt)
	08/06/11 17:25 CST		0	Source: NWS Employee
Strong thunderstorm wind blew down power poles, uprooted large trees, and blew several storage buildings from a Lowe's Store parking lot into the roadway.				
<b>TULSA COUNTY --- 2.3 SW GARNETT [36.15, -95.86]</b>				
	08/06/11 17:29 CST		0	Thunderstorm Wind (EG 52 kt)
	08/06/11 17:29 CST		0	Source: NWS Employee
Strong thunderstorm wind gusts of 60 mph were estimated at the NWS Office.				
<b>CREEK COUNTY --- 8.0 WNW KELLYVILLE [35.99, -96.35]</b>				
	08/06/11 17:30 CST		10K	Thunderstorm Wind (EG 56 kt)
	08/06/11 17:30 CST		0	Source: Fire Department/Rescue

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Strong thunderstorm wind blew off the roof of a barn, damaged the roofs of several mobile homes, and blew down numerous large tree limbs.				
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<b>TULSA COUNTY --- 2.3 S TULSA YOUNG ARPT [36.10, -95.81]</b>	08/06/11 17:30 CST		0	Thunderstorm Wind (EG 65 kt)
	08/06/11 17:30 CST		0	Source: Public
Several large trees were blown down by strong thunderstorm wind around the Battle Creek neighborhood.				
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<b>TULSA COUNTY --- 1.1 WNW BROKEN ARROW COTTON [36.13, -95.79]</b>	08/06/11 17:32 CST		0	Thunderstorm Wind (EG 61 kt)
	08/06/11 17:32 CST		0	Source: Trained Spotter
A storm spotter reported wind gusts of nearly 70 mph.				
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<b>TULSA COUNTY --- 1.3 WNW BROKEN ARROW COTTON [36.13, -95.79]</b>	08/06/11 17:32 CST		0	Hail (0.75 in)
	08/06/11 17:32 CST		0	Source: Trained Spotter
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<b>TULSA COUNTY --- 0.7 NNW TULSA R L JONES ARPT [36.04, -95.99]</b>	08/06/11 17:44 CST		0	Thunderstorm Wind (MG 55 kt)
	08/06/11 17:44 CST		0	Source: ASOS
The ASOS at Jenks Riverside Airport measured 63 mph thunderstorm wind gusts.				
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<b>ROGERS COUNTY --- 3.0 N CATOOSA [36.22, -95.75]</b>	08/06/11 17:54 CST		0	Hail (0.75 in)
	08/06/11 17:54 CST		0	Source: Amateur Radio
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<b>TULSA COUNTY --- 1.6 SW BOZARTH [36.07, -96.04]</b>	08/06/11 17:55 CST		0	Hail (0.88 in)
	08/06/11 17:55 CST		0	Source: Public
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<b>ROGERS COUNTY --- 3.5 S TIAWAH [36.22, -95.57]</b>	08/06/11 17:58 CST		1K	Thunderstorm Wind (EG 65 kt)
	08/06/11 17:58 CST		0	Source: NWS Employee
An off-duty NWS employee reported a snapped flagpole and trees blown down by strong thunderstorm wind.				
<b>Thunderstorms developed near a few outflow boundaries during the late afternoon of August 6th over eastern Oklahoma. Damaging winds occurred with several of these storms, along with small hail.</b>				
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<b>CREEK COUNTY --- 3.0 S SAPULPA [35.96, -96.10]</b>	08/08/11 19:30 CST		0	Thunderstorm Wind (MG 50 kt)
	08/08/11 19:30 CST		0	Source: Broadcast Media
The weather net station at Lone Star School measured 58 mph thunderstorm wind gusts.				
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<b>OKMULGEE COUNTY --- 4.5 W HECTOR [35.84, -96.00]</b>	08/08/11 19:32 CST		10K	Thunderstorm Wind (EG 61 kt)
	08/08/11 19:32 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down eight to ten power poles along 221st Street West of Hectorville. A woman was trapped in her vehicle by downed power lines.				
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<b>OKMULGEE COUNTY --- 4.5 W HECTOR [35.84, -96.00]</b>	08/08/11 19:40 CST		0	Thunderstorm Wind (MG 57 kt)
	08/08/11 19:40 CST		0	Source: Mesonet
The Oklahoma Mesonet station west of Hectorville measured 66 mph thunderstorm wind gusts.				
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<b>TULSA COUNTY --- 3.1 S TULSA YOUNG ARPT [36.09, -95.82]</b>				

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	08/08/11 19:45 CST		2K	Thunderstorm Wind (EG 56 kt)
	08/08/11 19:45 CST		0	Source: Public

Power lines were blown down by strong thunderstorm wind along 145th East Avenue and the Broken Arrow Expressway.

### MUSKOGEE COUNTY --- 3.0 SW HASKELL [35.79, -95.71]

	08/08/11 19:58 CST		2K	Thunderstorm Wind (EG 70 kt)
	08/08/11 19:58 CST		0	Source: Broadcast Media

A barn was damaged by strong thunderstorm winds.

**Thunderstorms developed over northeastern Oklahoma during the early afternoon of August 8th, along a weak surface boundary that extended across the area. Damaging winds and large hail resulted from the stronger storms.**

### PAWNEE COUNTY --- 3.0 ENE PAWNEE [36.35, -96.75]

	08/10/11 00:40 CST		0	Thunderstorm Wind (MG 58 kt)
	08/10/11 00:40 CST		0	Source: Mesonet

The Oklahoma Mesonet station near Pawnee measured 67 mph thunderstorm wind gusts.

### OSAGE COUNTY --- HOMINY [36.42, -96.40]

	08/10/11 00:52 CST		0	Thunderstorm Wind (EG 65 kt)
	08/10/11 00:52 CST		0	Source: Emergency Manager

Strong thunderstorm wind blew down trees.

### OKFUSKEE COUNTY --- OKEMAH [35.43, -96.30]

	08/10/11 01:09 CST		0	Thunderstorm Wind (EG 52 kt)
	08/10/11 01:09 CST		0	Source: Emergency Manager

Strong thunderstorm wind blew down numerous large tree limbs.

### OSAGE COUNTY --- 1.0 W SKIATOOK [36.37, -96.02]

	08/10/11 01:09 CST		5K	Thunderstorm Wind (EG 56 kt)
	08/10/11 01:09 CST		0	Source: NWS Employee

An off-duty NWS employee reported that strong thunderstorm wind partially tore off a roof of a school building.

### PAWNEE COUNTY --- CLEVELAND [36.32, -96.47]

	08/10/11 01:13 CST		0	Thunderstorm Wind (EG 65 kt)
	08/10/11 01:13 CST		0	Source: Law Enforcement

Strong thunderstorm wind blew down trees.

### CREEK COUNTY --- SLICK [35.78, -96.27]

	08/10/11 01:15 CST		75K	Thunderstorm Wind (EG 65 kt)
	08/10/11 01:15 CST	6	0	Source: Newspaper

Strong thunderstorm wind destroyed a mobile home, injuring six people.

### TULSA COUNTY --- 2.3 SW GARNETT [36.15, -95.86]

	08/10/11 01:20 CST		0	Thunderstorm Wind (EG 52 kt)
	08/10/11 01:20 CST		0	Source: NWS Employee

Strong thunderstorm wind blew down large tree limbs near the National Weather Service Office.

### CREEK COUNTY --- 0.7 W SAPULPA [36.00, -96.11]

	08/10/11 01:39 CST		3K	Thunderstorm Wind (EG 56 kt)
	08/10/11 01:39 CST		0	Source: Broadcast Media

A mobile home was damaged by strong thunderstorm wind near Highway 97.

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<b>ROGERS COUNTY --- 1.3 SSW CATOOSA [36.16, -95.76]</b>				
	08/10/11 01:50 CST		10K	Thunderstorm Wind (EG 56 kt)
	08/10/11 01:50 CST		0	Source: Broadcast Media
The Hard Rock Casino sustained wind damage to the facade of the building.				
<b>WAGONER COUNTY --- 3.2 E ONETA [36.02, -95.66]</b>				
	08/10/11 02:08 CST		5K	Thunderstorm Wind (EG 61 kt)
	08/10/11 02:08 CST		0	Source: NWS Employee
An off-duty NWS employee estimated wind gusts to near 70 mph. Power lines and poles were blown down in the area.				
<b>ROGERS COUNTY --- 1.0 SW INOLA [36.14, -95.51]</b>				
	08/10/11 02:10 CST		20K	Thunderstorm Wind (EG 61 kt)
	08/10/11 02:10 CST		0	Source: Emergency Manager
Several outbuildings and garages were damaged by strong thunderstorm winds. The roofs were ripped off some of the buildings.				
<b>WAGONER COUNTY --- 5.0 ENE ONETA [36.05, -95.64]</b>				
	08/10/11 02:10 CST		4K	Thunderstorm Wind (EG 61 kt)
	08/10/11 02:10 CST		0	Source: Public
Strong thunderstorm wind removed the shingles from the north side of the roof of a home near 81st Street South and 305th East Avenue.				
<b>WAGONER COUNTY --- 9.3 NW NEODESHA [36.16, -95.53]</b>				
	08/10/11 02:10 CST		2K	Thunderstorm Wind (EG 61 kt)
	08/10/11 02:10 CST		0	Source: Public
Large tree limbs and power lines were blown down across the 4200 Road just south of Highway 412.				
<b>MUSKOGEE COUNTY --- MUSKOGEE [35.75, -95.37]</b>				
	08/10/11 02:14 CST		2K	Thunderstorm Wind (EG 56 kt)
	08/10/11 02:14 CST		0	Source: Public
Strong thunderstorm wind blew off the roof of a barn.				
<b>TULSA COUNTY --- 2.3 SW GARNETT [36.15, -95.86]</b>				
	08/10/11 02:30 CST		0	Heavy Rain
	08/10/11 02:30 CST		0	Source: NWS Employee
The NWS Office in Tulsa measured 2.80 inches of rainfall in one hour. Minor street flooding occurred in that area of town.				
<b>MAYES COUNTY --- 4.6 SSE LOCUST GROVE [36.14, -95.14], 4.3 SE LOCUST GROVE [36.15, -95.12]</b>				
	08/10/11 02:32 CST		0	Tornado (EF1, L: 1.50 mi , W: 300 yd)
	08/10/11 02:34 CST		0	Source: NWS Storm Survey
This is the first of three segments of this tornado. The tornado developed on the leading edge of a short convective line of thunderstorms that wasn't undercut by cold outflow. It moved northeast uprooting and snapping a number of large trees within this segment in Mayes County and then moved into the extreme northwestern corner of Cherokee County. Based on the tree damage, maximum estimated wind in this segment of the tornado was about 105 mph.				
<b>CHEROKEE COUNTY --- 5.2 NNW PEGGS [36.15, -95.12], 5.7 N PEGGS [36.16, -95.11]</b>				
	08/10/11 02:34 CST		0	Tornado (EF1, L: 0.80 mi , W: 400 yd)
	08/10/11 02:35 CST		0	Source: NWS Storm Survey
This is the second of three segments of this tornado. The tornado tracked northeast across the extreme northwestern corner of Cherokee County, uprooting and snapping numerous trees. Based on the tree damage, maximum estimated wind in this segment of the tornado was about 105 mph. The tornado continued northeastward into Mayes County.				
<b>MAYES COUNTY --- 4.3 SE LOCUST GROVE [36.16, -95.11], 3.3 SW ROSE [36.19, -95.07]</b>				
	08/10/11 02:35 CST	1	0	Tornado (EF2, L: 2.70 mi , W: 400 yd)
	08/10/11 02:39 CST	2	0	Source: NWS Storm Survey



## Storm Data and Unusual Weather Phenomena - August 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>This is the third of three segments of this tornado. As the tornado crossed back into Mayes County, it destroyed a double wide mobile home and damaged a single wide mobile home just north of the E590 Road. A woman was killed in the double wide mobile home and two people were injured in the other mobile home. Trees were uprooted and snapped and debris from the double wide mobile home was transported several hundred yards downstream. The tornado damaged another mobile home south of the E580 Road where it destroyed a greenhouse. Numerous trees were uprooted and snapped along the path until the tornado dissipated just south of the E570 Road. Based on this damage, maximum estimated wind in this segment of the tornado was about 125 mph.</p>				

August is one of the least active months for tornadoes in this part of the country so the intensity of this tornado was even more unusual. In fact, this is only the 4th strong tornado (EF-2 or EF-3) that has been confirmed in eastern Oklahoma since 1950.

Direct Fatalities: F82MH

**MAYES COUNTY --- 0.7 NE CHOUTEAU [36.19, -95.34]**

08/10/11 02:40 CST			0	Thunderstorm Wind (EG 61 kt)
08/10/11 02:40 CST			0	Source: Emergency Manager

Strong thunderstorm wind gusted to near 70 mph.

**TULSA COUNTY --- 2.0 W BROKEN ARROW [36.05, -95.82]**

08/10/11 02:45 CST			0	Heavy Rain
08/10/11 02:45 CST			0	Source: NWS Employee

An off-duty NWS employee measured 3.17 inches of rainfall during a 45 minute period. Street flooding occurred in that area of town.

**CHEROKEE COUNTY --- TAHLEQUAH [35.92, -94.97]**

08/10/11 03:36 CST			0	Thunderstorm Wind (EG 65 kt)
08/10/11 03:36 CST			0	Source: Emergency Manager

Strong thunderstorm wind blew down several trees.

**LE FLORE COUNTY --- 0.8 NW COWLINGTON [35.31, -94.79]**

08/10/11 04:00 CST			0	Thunderstorm Wind (EG 52 kt)
08/10/11 04:00 CST			0	Source: Public

Strong thunderstorm wind blew down large tree limbs.

**LE FLORE COUNTY --- 1.0 NE SPIRO [35.24, -94.62]**

08/10/11 04:05 CST			0	Thunderstorm Wind (EG 56 kt)
08/10/11 04:05 CST			0	Source: Law Enforcement

Strong thunderstorm wind blew down numerous large tree limbs.

**Strong to severe thunderstorms developed during the early morning hours of August 10th near a stationary frontal boundary that extended across eastern Oklahoma. Strong, damaging winds occurred across much of eastern Oklahoma as these storms moved across the region as well as a tornado.**

**CREEK COUNTY --- KELLYVILLE [35.95, -96.22]**

08/10/11 18:38 CST			20K	Hail (1.75 in)
08/10/11 18:38 CST			0	Source: Public

**OKMULGEE COUNTY --- 0.8 WNW MORRIS [35.61, -95.86]**

08/10/11 19:23 CST			0	Thunderstorm Wind (EG 52 kt)
08/10/11 19:23 CST			0	Source: Public

Strong thunderstorm wind blew down large tree limbs.

**OKMULGEE COUNTY --- 1.2 W MORRIS ARPT [35.65, -95.87]**

08/10/11 19:23 CST			0	Thunderstorm Wind (EG 52 kt)
08/10/11 19:23 CST			0	Source: Public

Strong thunderstorm wind blew down large tree limbs.

**MCINTOSH COUNTY --- HITCHITA [35.53, -95.75]**

## Storm Data and Unusual Weather Phenomena - August 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/10/11 19:41 CST		0	Hail (0.88 in)
	08/10/11 19:41 CST		0	Source: Public
<hr/>				
<b>MCINTOSH COUNTY --- HITCHITA [35.53, -95.75]</b>				
	08/10/11 19:41 CST		0	Thunderstorm Wind (EG 52 kt)
	08/10/11 19:41 CST		0	Source: Public
<p>Strong thunderstorm wind blew down large tree limbs.</p>				
<hr/>				
<b>MCINTOSH COUNTY --- 4.0 W ONAPA [35.40, -95.62]</b>				
	08/10/11 20:00 CST		0	Hail (1.25 in)
	08/10/11 20:00 CST		0	Source: Emergency Manager
<hr/>				
<b>MCINTOSH COUNTY --- 4.0 W ONAPA [35.40, -95.62]</b>				
	08/10/11 20:00 CST		10K	Thunderstorm Wind (EG 56 kt)
	08/10/11 20:00 CST		0	Source: Park/Forest Service
<p>At Lake Eufaula State Park, strong thunderstorm wind blew off the roofs of two boat slips. Many tree limbs were blown down and a storage building two miles east of the park was blown over.</p>				
<hr/>				
<b>MCINTOSH COUNTY --- 0.9 E EUFAULA [35.28, -95.56]</b>				
	08/10/11 20:17 CST		25K	Thunderstorm Wind (EG 70 kt)
	08/10/11 20:17 CST		0	Source: Emergency Manager
<p>A 20' x 60' metal building was blown off its foundation by strong thunderstorm wind. The wind also blew the top portion off a radio tower and damaged cars.</p>				
<hr/>				
<b>MCINTOSH COUNTY --- 0.6 NNW EUFAULA [35.29, -95.58]</b>				
	08/10/11 20:18 CST		25K	Thunderstorm Wind (EG 61 kt)
	08/10/11 20:18 CST		0	Source: Law Enforcement
<p>Strong thunderstorm wind blew the roofs off of two buildings and blew down power lines.</p>				
<hr/>				
<b>MUSKOGEE COUNTY --- HASKELL [35.82, -95.67]</b>				
	08/10/11 21:07 CST		0	Hail (1.00 in)
	08/10/11 21:07 CST		0	Source: Newspaper
<p>Thunderstorms developed during the early evening on August 10th along an outflow boundary from the morning thunderstorms. These storms produced large hail and damaging winds across parts of eastern Oklahoma through the late evening.</p>				
<hr/>				
<b>ROGERS COUNTY --- 2.7 ESE SEQUOYAH [36.36, -95.52]</b>				
	08/12/11 12:15 CST		0	Hail (0.88 in)
	08/12/11 12:15 CST		0	Source: SHAVE Project
<hr/>				
<b>ROGERS COUNTY --- 3.0 NE CLAREMORE [36.35, -95.56]</b>				
	08/12/11 12:30 CST		0	Hail (1.00 in)
	08/12/11 12:30 CST		0	Source: SHAVE Project
<hr/>				
<b>ROGERS COUNTY --- 5.1 NNE CLAREMORE [36.39, -95.56]</b>				
	08/12/11 12:30 CST		0	Hail (0.88 in)
	08/12/11 12:30 CST		0	Source: SHAVE Project
<hr/>				
<b>ROGERS COUNTY --- 0.5 ENE SEQUOYAH [36.37, -95.56]</b>				
	08/12/11 12:35 CST		0	Hail (0.75 in)
	08/12/11 12:35 CST		0	Source: SHAVE Project
<hr/>				
<b>ROGERS COUNTY --- 2.0 SE SEQUOYAH [36.35, -95.54]</b>				
	08/12/11 12:45 CST		0	Hail (0.75 in)
	08/12/11 12:45 CST		0	Source: SHAVE Project

## Storm Data and Unusual Weather Phenomena - August 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>MAYES COUNTY --- 0.8 ESE PRYOR [36.29, -95.31], 1.2 WSW PRYOR [36.29, -95.34], 1.6 NW PRYOR [36.32, -95.34], 0.9 NE PRYOR [36.31, -95.31]</b>				
	08/12/11 12:50 CST		0	Flash Flood (due to Heavy Rain)
	08/12/11 17:30 CST		0	Source: Law Enforcement
South Elliot road was flooded and closed. Several other roads were flooded near the Highway 69 and Highway 20 intersection in town.				
<b>MAYES COUNTY --- 0.9 NNW PRYOR [36.31, -95.33], 1.5 NE PRYOR [36.31, -95.30], 1.3 E PRYOR [36.30, -95.30], 0.3 W PRYOR [36.30, -95.33]</b>				
	08/12/11 13:15 CST		0	Flash Flood (due to Heavy Rain)
	08/12/11 17:30 CST		0	Source: Emergency Manager
Widespread street flooding was reported in and around Pryor. Several of these roads were closed.				
<b>CHEROKEE COUNTY --- TAHLEQUAH [35.92, -94.97]</b>				
	08/12/11 16:10 CST		0	Thunderstorm Wind (EG 52 kt)
	08/12/11 16:10 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down large tree limbs.				
<b>CHEROKEE COUNTY --- TAHLEQUAH [35.92, -94.97]</b>				
	08/12/11 16:30 CST		15K	Thunderstorm Wind (EG 56 kt)
	08/12/11 16:30 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down a tree onto a mobile home on the west side of town. Power lines were also blown down in and around town.				
<b>CHEROKEE COUNTY --- 2.0 W TAHLEQUAH [35.92, -95.01]</b>				
	08/12/11 16:45 CST		0	Hail (1.00 in)
	08/12/11 16:45 CST		0	Source: Emergency Manager
<b>CHEROKEE COUNTY --- TAHLEQUAH [35.92, -94.97]</b>				
	08/12/11 16:50 CST		0	Thunderstorm Wind (EG 65 kt)
	08/12/11 16:50 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down trees in and around town.				
<b>WAGONER COUNTY --- 1.7 SW OKAY [35.85, -95.32]</b>				
	08/12/11 17:15 CST		0	Hail (0.75 in)
	08/12/11 17:15 CST		0	Source: Public
<b>MUSKOGEE COUNTY --- 1.0 W BACONE [35.75, -95.35]</b>				
	08/12/11 17:30 CST		0	Hail (1.00 in)
	08/12/11 17:30 CST		0	Source: Broadcast Media
Thunderstorms developed over northeastern Oklahoma on August 12th as a warm front lifted north across the area. Flash flooding occurred over parts of the area due to already saturated soils from recent heavy rainfall, along with damaging winds and large hail.				
<b>NOWATA COUNTY --- LENAPAH [36.85, -95.63]</b>				
	08/24/11 15:50 CST		0	Thunderstorm Wind (EG 65 kt)
	08/24/11 15:50 CST		0	Source: Fire Department/Rescue
Strong thunderstorm wind blew down several trees.				
<b>CREEK COUNTY --- 0.3 WNW NEW MANNFORD [36.13, -96.35]</b>				
	08/24/11 19:11 CST		2K	Thunderstorm Wind (EG 65 kt)
	08/24/11 19:11 CST		0	Source: Broadcast Media
Strong thunderstorm wind blew down several trees and blew over a carport.				
<b>CREEK COUNTY --- 4.0 SE BRISTOW [35.79, -96.33]</b>				
	08/24/11 20:45 CST		0	Thunderstorm Wind (MG 53 kt)
	08/24/11 20:45 CST		0	Source: Mesonet

## Storm Data and Unusual Weather Phenomena - August 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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The Oklahoma Mesonet station near Bristow measured 61 mph thunderstorm wind gusts.

Isolated, high-based thunderstorms developed during the afternoon and evening hours along an outflow boundary across northeastern Oklahoma on August 24th. A few of these storms produced damaging wind gusts.