

Storm Data and Unusual Weather Phenomena - November 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ARKANSAS, Northwest				
SEBASTIAN COUNTY --- 2.2 ENE FT SMITH [35.39, -94.38]				
	11/05/15 17:57 CST		2K	Thunderstorm Wind (EG 56 kt)
	11/05/15 17:57 CST		0	Source: Broadcast Media
Strong thunderstorm wind blew down power lines on 44th Street between North M and North N Streets.				
Strong to severe thunderstorms developed along a prefrontal trough of low pressure across central Oklahoma during the mid morning hours of the 5th. These storms moved east into portions of northwestern Arkansas during the afternoon, producing damaging wind gusts.				
SEBASTIAN COUNTY --- 1.1 E HACKETT [35.18, -94.40], 2.0 E EXCELSIOR [35.20, -94.29], 1.8 WSW GREENWOOD [35.21, -94.30], 0.9 ENE JENSON [35.20, -94.40]				
	11/17/15 09:55 CST		0	Flash Flood (due to Heavy Rain)
	11/17/15 13:30 CST		0	Source: Fire Department/Rescue
Portions of Highway 10 were flooded between Hackett and Highway 71.				
BENTON COUNTY --- 2.4 NNW ROGERS MUNI ARPT [36.40, -94.14], 2.8 NW ROGERS MUNI ARPT [36.40, -94.15], 2.6 NW ROGERS MUNI ARPT [36.40, -94.15], 2.1 NW ROGERS MUNI ARPT [36.39, -94.14]				
	11/17/15 10:37 CST		0	Flash Flood (due to Heavy Rain)
	11/17/15 13:30 CST		0	Source: Public
Rocky Ridge Trail and Rustic Drive near Little Flock were closed due to high water.				
Severe thunderstorms developed along and ahead of a cold front across West Texas during the late afternoon of the 16th as a strong upper level disturbance translated into the Southern Plains. These storms moved east during the evening and into northwestern Arkansas during the morning hours of the 17th. The storms produced locally heavy rainfall across the region, which resulted in some flash flooding.				
OKLAHOMA, Eastern				
OSAGE COUNTY --- 4.9 ENE OKESA [36.75, -96.05]				
	11/05/15 11:48 CST		0	Hail (1.00 in)
	11/05/15 11:48 CST		0	Source: Public
WASHINGTON COUNTY --- 1.3 E BARTLESVILLE [36.75, -95.98]				
	11/05/15 11:54 CST		0	Hail (1.00 in)
	11/05/15 11:54 CST		0	Source: Public
WASHINGTON COUNTY --- 0.4 SW DEWEY [36.80, -95.94]				
	11/05/15 12:05 CST		0	Hail (0.88 in)
	11/05/15 12:05 CST		0	Source: Public
OKFUSKEE COUNTY --- 3.5 N BEARDEN [35.40, -96.39], 3.1 W OKEMAH [35.42, -96.36]				
	11/05/15 14:22 CST		2K	Tornado (EF0, L: 2.50 mi , W: 100 yd)
	11/05/15 14:26 CST		0	Source: NWS Storm Survey
This tornado uprooted a softwood tree, snapped large tree limbs, and blew down a chain-link fence. Based on this damage, estimated maximum wind in the tornado was 70 to 80 mph.				
MUSKOGEE COUNTY --- 0.2 SSW FT GIBSON [35.80, -95.25]				
	11/05/15 16:55 CST		3K	Thunderstorm Wind (EG 56 kt)
	11/05/15 16:55 CST		0	Source: Utility Company
Strong thunderstorm wind blew down large tree limbs and power lines.				
DELAWARE COUNTY --- 3.1 SW GROVE [36.55, -94.81]				

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	11/05/15 17:10 CST		0	Thunderstorm Wind (EG 61 kt)
	11/05/15 17:10 CST		0	Source: Public

Strong thunderstorm wind blew down a tree.

HASKELL COUNTY --- 0.4 NNW KEOTA [35.26, -94.92]

	11/05/15 17:19 CST		2K	Thunderstorm Wind (EG 52 kt)
	11/05/15 17:19 CST		0	Source: Public

Strong thunderstorm wind blew down power lines.

PITTSBURG COUNTY --- 0.3 WNW BLANCO [34.75, -95.78]

	11/05/15 17:40 CST		0	Thunderstorm Wind (EG 52 kt)
	11/05/15 17:40 CST		0	Source: Public

Strong thunderstorm wind blew down large tree limbs.

LE FLORE COUNTY --- 0.7 S REICHERT [34.84, -94.75]

	11/05/15 18:54 CST		0	Thunderstorm Wind (EG 65 kt)
	11/05/15 18:54 CST		0	Source: Emergency Manager

Strong thunderstorm wind blew down trees in the Reichert Community.

LE FLORE COUNTY --- 3.0 SE HOWE [34.92, -94.59]

	11/05/15 19:05 CST		2K	Thunderstorm Wind (EG 52 kt)
	11/05/15 19:05 CST		0	Source: Emergency Manager

Strong thunderstorm wind blew down power lines on Highway 59.

LE FLORE COUNTY --- 3.0 SE HOWE [34.92, -94.59]

	11/05/15 19:06 CST		0	Thunderstorm Wind (EG 65 kt)
	11/05/15 19:06 CST		0	Source: Emergency Manager

Strong thunderstorm wind blew down trees on Morris Creek Road.

Strong to severe thunderstorms developed along a prefrontal trough of low pressure across central Oklahoma during the mid morning hours of the 5th. These storms moved into eastern Oklahoma during the late morning and afternoon, producing a tornado, hail up to quarter size, and damaging wind gusts.

(OK-Z054) OSAGE, (OK-Z055) WASHINGTON, (OK-Z056) NOWATA, (OK-Z063) DELAWARE

	11/11/15 12:00 CST		0.55M	Wildfire
	11/11/15 23:00 CST		0	

Strong westerly wind gusting up to 55 mph behind a pacific cold front, combined with unseasonably warm conditions and low relative humidity, promoted the rapid spread of wildfire across northeastern Oklahoma during the afternoon and evening hours of November 11th. Large wildfires burned portions of Osage, Washington, Delaware, and Nowata Counties. The wildfire that affected Washington and Nowata Counties burned an estimated 26,000 acres, including two homes and numerous outbuildings. The towns of Lenapah and Delaware in Nowata County were evacuated during the evening due to the approaching wildfire. Wildfires in Osage County burned about 14,000 acres, and a wildfire in Delaware County burned over 300 acres, including several outbuildings.

WASHINGTON COUNTY --- 2.5 ENE COPAN [36.91, -95.89]

	11/17/15 03:35 CST		0	Thunderstorm Wind (MG 55 kt)
	11/17/15 03:35 CST		0	Source: Mesonet

The Oklahoma Mesonet station near Copan measured 63 mph thunderstorm wind gusts.

MCINTOSH COUNTY --- 3.0 S SHADY GROVE [35.44, -95.42], 2.0 NE SHADY GROVE [35.50, -95.40]

	11/17/15 05:43 CST		0.15M	Tornado (EF1, L: 4.70 mi , W: 300 yd)
	11/17/15 05:48 CST		0	Source: NWS Storm Survey

This tornado damaged the roofs of several homes, destroyed a chicken house, destroyed a number of outbuildings, and snapped or uprooted trees. Based on this damage, estimated maximum wind in the tornado was 90 to 100 mph.

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Severe thunderstorms developed along and ahead of a cold front across West Texas during the late afternoon of the 16th as a strong upper level disturbance translated into the Southern Plains. These storms moved east during the evening and into eastern Oklahoma during the early morning hours of the 17th. The storms produced a tornado, damaging wind gusts, and locally heavy rainfall across the region.

OKMULGEE COUNTY --- 0.7 W OKMULGEE [35.63, -95.98], 1.4 E OKMULGEE [35.63, -95.95], 1.8 SE OKMULGEE [35.61, -95.95], 1.2 SSW OKMULGEE [35.61, -95.98]

	11/27/15 11:20 CST	0	Flood (due to Heavy Rain)
	11/28/15 11:30 CST	0	Source: Emergency Manager

Several streets in Okmulgee were flooded and closed.

OTTAWA COUNTY --- 3.9 ESE AFTON [36.67, -94.91], 3.9 ESE AFTON [36.67, -94.91], 4.0 ESE AFTON [36.67, -94.91], 3.9 ESE AFTON [36.67, -94.91]

	11/27/15 13:30 CST	0	Flash Flood (due to Heavy Rain)
	11/28/15 11:30 CST	0	Source: Broadcast Media

A vehicle was driven into high water from the flooding of Little Horse Creek northeast of Afton, and became stranded. First responders rescued five people from the vehicle.

OTTAWA COUNTY --- 6.8 WNW NORTH MIAMI [36.94, -95.00], 3.1 WSW MIAMI [36.86, -94.93], 1.8 SE MIAMI [36.86, -94.86], 4.6 WNW NORTH MIAMI [36.94, -94.96]

	11/27/15 14:00 CST	0	Flood (due to Heavy Rain)
	11/29/15 20:00 CST	0	Source: Official NWS Observations

The Neosho River near Commerce rose above its flood stage of 15 feet at 2:00 pm CST on November 27th. The river crested at 19.61 feet at 10:30 pm CST on the 28th, resulting in moderate flooding. The river fell below flood stage at 8:00 pm CST on the 29th.

PITTSBURG COUNTY --- 2.5 W MC ALESTER [34.93, -95.81], 1.8 W MC ALESTER [34.93, -95.80], 1.6 W MC ALESTER [34.93, -95.80], 2.4 W MC ALESTER [34.93, -95.81]

	11/27/15 15:35 CST	0	Flash Flood (due to Heavy Rain)
	11/28/15 11:15 CST	0	Source: Department of Highways

Portions of Highway 31 were closed due to high water southwest of McAlester.

WAGONER COUNTY --- 7.5 NE ONETA [36.11, -95.64], 7.6 NE ONETA [36.11, -95.63], 6.0 NE ONETA [36.07, -95.64], 5.9 NE ONETA [36.07, -95.64]

	11/27/15 17:22 CST	0	Flash Flood (due to Heavy Rain)
	11/28/15 11:30 CST	0	Source: Broadcast Media

Portions of 305th East Avenue were flooded and closed between E 41st Street South and E 61st Street South. Several vehicles were stranded in the high water.

PUSHMATAHA COUNTY --- 0.7 N MOYERS [34.33, -95.65], 2.2 SE KOSOMA [34.33, -95.59], 1.8 NW ETHEL [34.25, -95.57], 1.4 S KELLOND [34.25, -95.63]

	11/27/15 18:30 CST	0	Flood (due to Heavy Rain)
	11/29/15 12:15 CST	0	Source: Official NWS Observations

The Kiamichi River near Antlers rose above its flood stage of 25 feet at 6:30 pm CST on November 27th. The river crested at 28.97 feet at 2:30 pm CST on the 28th, resulting in moderate flooding. Flooding occurred along the west bank of the river near Moyers, which inundated a campground and county roads. The river fell below flood stage at 12:15 pm CST on the 29th.

OKMULGEE COUNTY --- 0.2 WNW OKMULGEE [35.63, -95.97], 1.3 E OKMULGEE [35.63, -95.95], 1.9 SE OKMULGEE [35.61, -95.94], 1.1 S OKMULGEE [35.61, -95.97]

	11/27/15 18:50 CST	0	Flood (due to Heavy Rain)
	11/28/15 11:30 CST	0	Source: Emergency Manager

Flooding in town resulted in water rescues of people stranded in the high water.

PITTSBURG COUNTY --- 1.4 NE CRAIG [34.84, -95.60], 0.9 E BOND [34.82, -95.63], 1.0 NNE BOND [34.83, -95.64], 1.7 NNE CRAIG [34.85, -95.61]

	11/27/15 19:39 CST	0	Flash Flood (due to Heavy Rain)
	11/28/15 11:15 CST	0	Source: Department of Highways

Portions of Highway 63 were closed between Haileyville and Kiowa.

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CHOCTAW COUNTY --- 0.9 NW ORD [33.91, -95.51], 0.9 NE ORD [33.91, -95.49], 0.7 ESE ORD [33.89, -95.49], 0.6 WSW ORD [33.90, -95.51]				
	11/28/15 07:00 CST		0	Flood (due to Heavy Rain)
	11/28/15 11:15 CST		0	Source: Law Enforcement

Portions of Highway 109 were closed due to flooding.

Widespread and locally heavy rainfall occurred from the 26th through the 30th across much of eastern Oklahoma. A slow-moving storm system over the southwestern United States and a nearly stationary frontal boundary over the region resulted in several rounds of widespread rain and isolated thunderstorms. Near record precipitable water values were observed as gulf moisture spread into the area in the lower levels of the atmosphere, and moisture associated with a tropical system over the southeastern Pacific Ocean spread into the region in the middle and upper levels of the atmosphere. Rainfall amounts ranged from around three inches in portions of northeastern Oklahoma to between eight and ten inches in southeastern Oklahoma.

This excessive rainfall, combined with soils that were already quite saturated, resulted in flash flooding and flooding. Several main stem rivers flooded, including the Neosho River near Commerce and the Kiamichi River near Antlers, which both experienced moderate flooding.