

## Storm Data and Unusual Weather Phenomena - October 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ARKANSAS, Northwest</b>				
<b>WASHINGTON COUNTY --- WEST FORK [35.93, -94.18]</b>				
	10/21/17 23:38 CST		2K	Thunderstorm Wind (EG 61 kt)
	10/21/17 23:38 CST		0	Source: COOP Observer
Strong thunderstorm wind uprooted a large tree and damaged a barn.				
<b>SEBASTIAN COUNTY --- 0.6 NNE (FSM)FT SMITH MUNI A [35.34, -94.37]</b>				
	10/21/17 23:57 CST		0	Thunderstorm Wind (MG 56 kt)
	10/21/17 23:57 CST		0	Source: ASOS
The weather observing system at the Fort Smith Regional Airport measured 64 mph thunderstorm wind gusts.				
<b>SEBASTIAN COUNTY --- 0.7 SSW (FSM)FT SMITH MUNI A [35.32, -94.37]</b>				
	10/22/17 00:05 CST		10K	Thunderstorm Wind (EG 56 kt)
	10/22/17 00:05 CST		0	Source: Law Enforcement
Strong thunderstorm wind damaged the roofs of two buildings and uprooted trees.				
<b>SEBASTIAN COUNTY --- 2.0 ENE GREENWOOD [35.23, -94.24]</b>				
	10/22/17 00:07 CST		0	Thunderstorm Wind (MG 57 kt)
	10/22/17 00:07 CST		0	Source: Trained Spotter
A storm spotter measured thunderstorm wind gusts to 65 mph.				
<b>SEBASTIAN COUNTY --- BARLING [35.33, -94.30]</b>				
	10/22/17 00:07 CST		0	Thunderstorm Wind (EG 61 kt)
	10/22/17 00:07 CST		0	Source: Emergency Manager
Strong thunderstorm wind snapped numerous large tree limbs and uprooted trees.				
<b>SEBASTIAN COUNTY --- 2.1 ENE LAVACA [35.34, -94.14]</b>				
	10/22/17 00:11 CST		15K	Thunderstorm Wind (EG 65 kt)
	10/22/17 00:11 CST		0	Source: Broadcast Media
Strong thunderstorm wind damaged the roof and exterior walls of a building on Military Road. The strong wind also uprooted trees.				
<b>SEBASTIAN COUNTY --- 3.0 ESE FT SMITH [35.36, -94.37]</b>				
	10/22/17 00:16 CST		0	Hail (0.75 in)
	10/22/17 00:16 CST		0	Source: Trained Spotter
<b>SEBASTIAN COUNTY --- 3.0 ESE FT SMITH [35.36, -94.37]</b>				
	10/22/17 00:16 CST		0	Thunderstorm Wind (EG 52 kt)
	10/22/17 00:16 CST		0	Source: Trained Spotter
A storm spotter estimated thunderstorm wind gusts to 60 mph.				
<b>FRANKLIN COUNTY --- 0.9 WSW CHARLESTON [35.30, -94.05]</b>				
	10/22/17 00:20 CST		0	Thunderstorm Wind (EG 65 kt)
	10/22/17 00:20 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down trees onto Highway 20 on the west side of town.				
<b>FRANKLIN COUNTY --- CHARLESTON [35.30, -94.03]</b>				
	10/22/17 00:20 CST		0	Thunderstorm Wind (EG 65 kt)
	10/22/17 00:20 CST		0	Source: Emergency Manager
Strong thunderstorm wind uprooted trees and snapped numerous large tree limbs. Several streets were blocked by fallen trees in town.				

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<b>CARROLL COUNTY --- 2.8 E GREEN FOREST [36.32, -93.40]</b>				
	10/22/17 00:25 CST		5K	Thunderstorm Wind (EG 56 kt)
	10/22/17 00:25 CST		0	Source: Broadcast Media
Strong thunderstorm wind damaged the roof of a church.				
<b>FRANKLIN COUNTY --- 0.6 W CHARLESTON [35.30, -94.04]</b>				
	10/22/17 00:25 CST		0	Hail (1.00 in)
	10/22/17 00:25 CST		0	Source: Emergency Manager
Strong to severe thunderstorms developed during the afternoon hours of the 21st over eastern Kansas, north central Oklahoma, and western Oklahoma as a cold front moved into the area. These thunderstorms evolved into a solid line as they moved east into northwestern Arkansas during the late evening hours of the 21st and early morning hours of the 22nd. The storms produced damaging wind and large hail as they moved through the area.				
<b>OKLAHOMA, Eastern</b>				
<b>PAWNEE COUNTY --- 6.0 ESE PAWNEE [36.30, -96.70], 1.8 W CASEY [36.28, -96.70], 4.1 W CASEY [36.29, -96.74], 3.5 ESE PAWNEE [36.31, -96.74]</b>				
	10/04/17 09:43 CST		0	Flash Flood (due to Heavy Rain)
	10/04/17 11:30 CST		0	Source: Department of Highways
Portions of Highway 64 were closed between Highway 99 and Highway 18 due to flooding.				
<b>PAWNEE COUNTY --- TERLTON [36.18, -96.48], 0.6 NW TERLTON [36.19, -96.49], 0.7 WNW TERLTON [36.18, -96.49], 0.3 WSW TERLTON [36.18, -96.48]</b>				
	10/04/17 10:31 CST		25K	Flash Flood (due to Heavy Rain)
	10/04/17 11:30 CST		0	Source: Public
A portion of a road was washed out near Terlton.				
<b>OSAGE COUNTY --- HOMINY [36.42, -96.40], 0.8 S HOMINY [36.41, -96.40], 1.3 SE HOMINY [36.41, -96.38], 0.6 SSW HOMINY ARPT [36.42, -96.38]</b>				
	10/04/17 12:23 CST		0	Flash Flood (due to Heavy Rain)
	10/04/17 17:30 CST		0	Source: Emergency Manager
Numerous streets were severely flooded and closed across town.				
<b>PAWNEE COUNTY --- 0.4 N PAWNEE [36.34, -96.80], 0.5 ESE PAWNEE [36.33, -96.79], 1.2 NNE PAWNEE [36.35, -96.79], 1.4 NW PAWNEE [36.35, -96.82], 1.0 WNW PAWNEE [36.34, -96.81]</b>				
	10/04/17 15:30 CST		0	Flood (due to Heavy Rain)
	10/05/17 02:15 CST		0	Source: Official NWS Observations
Black Bear Creek near Pawnee rose above its flood stage of 17 feet at 4:30 pm CDT on October 4th. The river crested at 21.16 feet at 22:30 pm CDT on the 4th, resulting in moderate flooding. Agricultural lands were flooded and several roads were closed in and around Pawnee. The river fell below flood stage at 3:15 am CDT on the 5th.				
An area of showers with embedded thunderstorms increased in coverage during the early morning hours of the 4th, developing within a very moist air mass south of a stalled frontal boundary that stretched from southeastern Kansas into northwestern Oklahoma. This activity spread across northeastern Oklahoma during the day. These thunderstorms were very efficient at producing rainfall due to precipitable water values near two inches, which was about 200 percent of normal for that time of year. Some of this thunderstorm activity produced 1.5 to 2 inches of rain per hour. Thunderstorms moving repeatedly over the same areas resulted in rainfall totals in the five to ten inch range across portions of Osage and Pawnee Counties. That heavy rainfall resulted in flash flooding, with numerous roads closed.				
The widespread heavy rainfall also resulted in main stem river flooding with Black Bear Creek at Pawnee reaching moderate flood stage.				
<b>NOWATA COUNTY --- 2.0 S NOWATA [36.67, -95.63]</b>				
	10/09/17 17:07 CST		0	Hail (0.75 in)
	10/09/17 17:07 CST		0	Source: Public
<b>MUSKOGEE COUNTY --- 0.6 ESE JAMESVILLE [35.75, -95.64]</b>				

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	10/09/17 19:30 CST		0	Thunderstorm Wind (MG 55 kt)
	10/09/17 19:30 CST		0	Source: Mesonet
The Oklahoma Mesonet station south of Haskell measured 63 mph thunderstorm wind gusts.				
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<b>CRAIG COUNTY --- 5.0 W VINITA [36.65, -95.24]</b>				
	10/09/17 19:49 CST		20K	Thunderstorm Wind (EG 61 kt)
	10/09/17 19:49 CST		0	Source: Emergency Manager
Strong thunderstorm wind destroyed outbuildings and uprooted trees.				
<b>Strong to severe thunderstorms developed into eastern Oklahoma during the evening hours of the 9th as a cold front moved into the region. The strongest storms produced damaging wind and hail.</b>				
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<b>OSAGE COUNTY --- 6.8 SW BURBANK [36.63, -96.81]</b>				
	10/21/17 18:40 CST		0	Thunderstorm Wind (MG 51 kt)
	10/21/17 18:40 CST		0	Source: Mesonet
The Oklahoma Mesonet station near Burbank measured 59 mph thunderstorm wind gusts.				
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<b>OSAGE COUNTY --- 0.7 WSW BURBANK [36.70, -96.73]</b>				
	10/21/17 18:45 CST		0	Thunderstorm Wind (EG 52 kt)
	10/21/17 18:45 CST		0	Source: Public
Strong thunderstorm wind gusts were estimated to 60 mph.				
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<b>WASHINGTON COUNTY --- 0.4 SW DEWEY [36.80, -95.94]</b>				
	10/21/17 19:59 CST		0	Thunderstorm Wind (EG 52 kt)
	10/21/17 19:59 CST		0	Source: Amateur Radio
Strong thunderstorm wind gusts were estimated to 60 mph.				
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<b>PAWNEE COUNTY --- 0.7 W CLEVELAND [36.32, -96.48]</b>				
	10/21/17 20:01 CST		0	Hail (0.88 in)
	10/21/17 20:01 CST		0	Source: Trained Spotter
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<b>OKMULGEE COUNTY --- 1.5 SSE OKMULGEE [35.61, -95.96]</b>				
	10/21/17 21:57 CST		0	Hail (0.75 in)
	10/21/17 21:57 CST		0	Source: Emergency Manager
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<b>WAGONER COUNTY --- 1.5 SSE LA BARGE [35.96, -95.37]</b>				
	10/21/17 22:07 CST		0	Hail (0.88 in)
	10/21/17 22:07 CST		0	Source: Trained Spotter
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<b>WAGONER COUNTY --- 1.6 SSE LA BARGE [35.96, -95.37]</b>				
	10/21/17 22:16 CST		0	Hail (1.00 in)
	10/21/17 22:16 CST		0	Source: Trained Spotter
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<b>CHEROKEE COUNTY --- TAHLEQUAH [35.92, -94.97]</b>				
	10/21/17 22:36 CST		0	Hail (0.75 in)
	10/21/17 22:36 CST		0	Source: Amateur Radio
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<b>SEQUOYAH COUNTY --- 2.3 SW BLACKGUM [35.60, -95.03]</b>				
	10/21/17 22:53 CST		0	Thunderstorm Wind (EG 52 kt)
	10/21/17 22:53 CST		0	Source: Emergency Manager
Strong thunderstorm wind gusts were estimated to 60 mph at Lake Tenkiller State Park.				
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<b>LE FLORE COUNTY --- 0.7 NW BOKOSHE [35.19, -94.79]</b>				
	10/21/17 23:48 CST		20K	Thunderstorm Wind (EG 65 kt)
	10/21/17 23:48 CST		0	Source: Public

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Strong thunderstorm wind severely damaged the roof of a home.

**Strong to severe thunderstorms developed during the afternoon hours of the 21st over eastern Kansas, north central Oklahoma, and western Oklahoma as a cold front moved into the area. These thunderstorms evolved into a solid line as they moved east into eastern Oklahoma during the evening hours. The storms produced damaging wind and large hail as they moved through the area.**