

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ARKANSAS, Northwest				
SEBASTIAN COUNTY --- 3.0 S LAVACA [35.29, -94.18]				
	05/06/19 17:09 CST		0	Hail (1.00 in)
	05/06/19 17:09 CST		0	Source: Trained Spotter
SEBASTIAN COUNTY --- 2.0 SW LAVACA [35.31, -94.21]				
	05/06/19 17:10 CST		0	Hail (1.00 in)
	05/06/19 17:10 CST		0	Source: Public
A severe thunderstorm developed over west central Arkansas during the evening hours of the 6th. Large hail up to quarter size occurred in Sebastian County.				
BENTON COUNTY --- DECATUR [36.33, -94.45]				
	05/18/19 12:50 CST		50K	Thunderstorm Wind (EG 61 kt)
	05/18/19 12:50 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down trees onto two homes.				
SEBASTIAN COUNTY --- 0.8 NNW MILL CREEK [35.34, -94.43], 0.4 NE MASSARD [35.35, -94.35]				
	05/18/19 12:56 CST		0.25M	Tornado (EF1, L: 5.00 mi , W: 450 yd)
	05/18/19 13:04 CST		0	Source: NWS Storm Survey
This is the second segment of a two-segment tornado. The tornado moved into Fort Smith near the intersection of the state line and Phoenix Avenue. It moved east-northeast across town, damaging many homes and businesses, snapping and uprooting many trees, and snapping many power poles. It dissipated shortly after snapping large tree limbs on the south side of Mercy Hospital and crossing Rogers Avenue. Based on this damage, maximum estimated wind in this segment of the tornado was 95 to 105 mph.				
SEBASTIAN COUNTY --- 1.9 E EXCELSIOR [35.20, -94.30]				
	05/18/19 12:57 CST		0	Thunderstorm Wind (EG 65 kt)
	05/18/19 12:57 CST		0	Source: Emergency Manager
Strong thunderstorm wind uprooted trees.				
SEBASTIAN COUNTY --- 1.2 W GREENWOOD [35.22, -94.29], 2.2 ENE GREENWOOD [35.24, -94.24]				
	05/18/19 12:59 CST		0.15M	Tornado (EF1, L: 3.50 mi , W: 600 yd)
	05/18/19 13:04 CST		0	Source: NWS Storm Survey
This tornado developed over northwest Greenwood, and moved east-northeast across the northern portion of town. It moved onto Fort Chaffee, where it dissipated. Homes were damaged, numerous trees were snapped or uprooted, and power poles were snapped by this tornado. Based on this damage, maximum estimated wind in the tornado was 100 to 110 mph.				
SEBASTIAN COUNTY --- 1.8 ESE GREENWOOD [35.21, -94.24]				
	05/18/19 13:00 CST		0	Thunderstorm Wind (EG 71 kt)
	05/18/19 13:00 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind uprooted a few trees and snapped large tree limbs.				
WASHINGTON COUNTY --- 1.5 W PRAIRIE GROVE [35.98, -94.35], 0.5 WNW PRAIRIE GROVE [35.98, -94.33]				
	05/18/19 13:01 CST		2K	Tornado (EF1, L: 1.00 mi , W: 100 yd)
	05/18/19 13:02 CST		0	Source: Broadcast Media
This tornado blew down trees and power poles. It was observed by several people. Based on the damage, maximum estimated wind in the tornado was 85 to 95 mph.				
SEBASTIAN COUNTY --- 1.2 ESE (FSM)FT SMITH MUNI A [35.33, -94.35]				
	05/18/19 13:02 CST		0	Thunderstorm Wind (EG 61 kt)
	05/18/19 13:02 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind snapped large tree limbs.				

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SEBASTIAN COUNTY --- 0.2 ENE BARLING [35.33, -94.30]				
	05/18/19 13:04 CST		0	Thunderstorm Wind (EG 56 kt)
	05/18/19 13:04 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind snapped large tree limbs.				
SEBASTIAN COUNTY --- 1.5 NW BARLING [35.35, -94.32], 1.6 N BARLING [35.35, -94.30]				
	05/18/19 13:04 CST		50K	Tornado (EF1, L: 0.90 mi , W: 400 yd)
	05/18/19 13:06 CST		0	Source: NWS Storm Survey
This is the first segment of a two-segment tornado. This tornado developed over a subdivision north of Ozark Lake where homes were damaged and trees were snapped. The tornado moved northeast, crossing the Arkansas River and into Crawford County. Based on the damage, maximum estimated wind in this segment of the tornado was 90 to 100 mph.				
SEBASTIAN COUNTY --- 1.8 NW BARLING [35.35, -94.32]				
	05/18/19 13:04 CST		0	Thunderstorm Wind (EG 61 kt)
	05/18/19 13:04 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind snapped large tree limbs.				
BENTON COUNTY --- BELLA VISTA [36.43, -94.23]				
	05/18/19 13:05 CST		75K	Thunderstorm Wind (EG 61 kt)
	05/18/19 13:05 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down trees onto three homes.				
SEBASTIAN COUNTY --- 1.0 E MASSARD [35.35, -94.33]				
	05/18/19 13:05 CST		0	Thunderstorm Wind (EG 61 kt)
	05/18/19 13:05 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind snapped large tree limbs.				
CRAWFORD COUNTY --- 2.3 WSW HAROLDTON [35.35, -94.30], 0.2 W HAROLDTON [35.37, -94.27]				
	05/18/19 13:06 CST		0	Tornado (EF0, L: 2.00 mi , W: 400 yd)
	05/18/19 13:09 CST		0	Source: NWS Storm Survey
This is the second segment of a two-segment tornado. In Crawford County, this tornado snapped large tree limbs as it crossed the Arkansas River and moved ashore. Large tree limbs were also snapped as it crossed Highway 59, and then Gun Club Road. The tornado dissipated north of Gun Club Road over open country. Based on this damage, maximum estimated wind in this segment of the tornado was 75 to 80 mph.				
SEBASTIAN COUNTY --- 2.1 ESE BLOOMER [35.29, -94.12], 1.8 WSW URSULA [35.31, -94.08]				
	05/18/19 13:10 CST		0	Tornado (EF1, L: 2.70 mi , W: 1000 yd)
	05/18/19 13:13 CST		0	Source: NWS Storm Survey
This is the first segment of a two-segment tornado. This tornado developed south of Highway 22, west of Marietta Church Road, and moved northeast across Highway 22 where trees were uprooted. Based on this damage, maximum estimated wind in this segment of the tornado was 90 to 100 mph. The tornado continued into Franklin County.				
FRANKLIN COUNTY --- 2.9 WNW CHARLESTON [35.31, -94.08], 2.1 SSE VESTA [35.35, -94.02]				
	05/18/19 13:13 CST		25K	Tornado (EF1, L: 4.60 mi , W: 1000 yd)
	05/18/19 13:19 CST		0	Source: NWS Storm Survey
This is the second segment of a two-segment tornado. Shortly after crossing into Franklin County, this tornado uprooted trees on Robertson Road. It continued northeast uprooting trees, damaging the roofs of homes, and damaging chicken houses on Jetton Road and Highway 217. The tornado dissipated east of N Rattlesnake Road. Based on this damage, maximum estimated wind in this segment of the tornado was 95 to 105 mph.				
WASHINGTON COUNTY --- FAYETTEVILLE ARPT [36.00, -94.17]				
	05/18/19 13:19 CST		0	Thunderstorm Wind (EG 54 kt)
	05/18/19 13:19 CST		0	Source: ASOS
The ASOS unit at Drake Field measured 62 mph thunderstorm wind gusts.				

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
FRANKLIN COUNTY --- 1.0 N VESTA [35.39, -94.03]				
	05/18/19 13:20 CST		0	Thunderstorm Wind (EG 65 kt)
	05/18/19 13:20 CST		0	Source: Fire Department/Rescue
Strong thunderstorm wind blew down large trees.				
FRANKLIN COUNTY --- BRANCH [35.30, -93.95]				
	05/18/19 13:20 CST		0	Thunderstorm Wind (EG 65 kt)
	05/18/19 13:20 CST		0	Source: Amateur Radio
Strong thunderstorm wind blew down large trees.				
CRAWFORD COUNTY --- 0.8 WNW MULBERRY [35.51, -94.06], 0.9 E MULBERRY [35.50, -94.03]				
	05/18/19 13:25 CST		20K	Tornado (EF1, L: 1.60 mi , W: 300 yd)
	05/18/19 13:27 CST		0	Source: NWS Storm Survey
This tornado developed on the west side of Mulberry, where trees were uprooted and homes were damaged. The tornado moved east across town, uprooting more trees and snapping large tree limbs before dissipating east of town just south of Highway 64. Based on this damage, maximum estimated wind in the tornado was 85 to 95 mph.				
FRANKLIN COUNTY --- CECIL [35.43, -93.95]				
	05/18/19 13:25 CST		0	Thunderstorm Wind (EG 65 kt)
	05/18/19 13:25 CST		0	Source: Amateur Radio
Strong thunderstorm wind blew down large trees.				
FRANKLIN COUNTY --- 0.5 NNE WEBB CITY [35.49, -93.83]				
	05/18/19 13:27 CST		0	Thunderstorm Wind (EG 61 kt)
	05/18/19 13:27 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind uprooted small trees and snapped large tree limbs.				
FRANKLIN COUNTY --- 1.7 NW MANITOU [35.50, -93.90]				
	05/18/19 13:35 CST		0	Thunderstorm Wind (EG 56 kt)
	05/18/19 13:35 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind snapped large tree limbs.				
FRANKLIN COUNTY --- 0.4 E ALTUS [35.45, -93.76]				
	05/18/19 13:37 CST		0	Thunderstorm Wind (EG 87 kt)
	05/18/19 13:37 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind snapped and uprooted numerous trees north of town. Saint Mary's Lane was covered in downed trees from just north of town up to the church.				
A squall line moved through northwestern Arkansas during the early afternoon hours of May 18th. Very strong low level wind shear and moderately strong instability ahead of the squall line resulted in the development of several tornadoes, as well as damaging wind, as the line of thunderstorms moved across the area.				
BENTON COUNTY --- 2.0 NNE BELLA VISTA [36.46, -94.22]				
	05/20/19 23:03 CST		0	Hail (1.00 in)
	05/20/19 23:03 CST		0	Source: Trained Spotter
BENTON COUNTY --- 3.0 NNE BELLA VISTA [36.47, -94.21]				
	05/20/19 23:04 CST		20K	Hail (1.75 in)
	05/20/19 23:04 CST		0	Source: Trained Spotter
BENTON COUNTY --- 4.0 NE BELLA VISTA [36.47, -94.18]				
	05/20/19 23:10 CST		5K	Hail (1.25 in)
	05/20/19 23:10 CST		0	Source: Public

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>Severe thunderstorms developed across northeastern Oklahoma during the late evening hours of the 20th as a cold front moved into the area. These storms moved across far northwestern Arkansas, producing large hail up to golfball size.</p>				
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CRAWFORD COUNTY --- 1.0 WNW CATCHER [35.39, -94.26], 2.8 SSW WRIGHT TOWN [35.36, -94.32], 0.5 SSW VAN BUREN [35.42, -94.35], 2.8 WNW VAN BUREN [35.45, -94.39], 4.3 W VAN BUREN [35.44, -94.43], 4.2 WNW VAN BUREN [35.46, -94.41], 2.2 NNW VAN BUREN [35.46, -94.37]	05/22/19 04:30 CST		0	Flood (due to Heavy Rain)
	05/31/19 23:59 CST		0	Source: Official NWS Observations
<p>The Arkansas River near Van Buren rose above its flood stage of 22 feet at 5:30 am CDT on May 22nd. The river crested at 40.26 feet at 6:45 pm CDT on the 28th, resulting in record flooding. Near catastrophic flooding occurred with residential subdivisions and businesses flooded in Van Buren. Numerous roads were closed. Monetary damage from this flood is unknown. The river remained in flood through the end of May, and then crested again at 40.79 feet at 12:15 am CDT on June 1st, which resulted in record flooding. The river crested a third time at 26.39 feet at 3:15 pm CDT on June 8th, which resulted in moderate flooding, and then finally fell below flood stage at 1:45 am CDT on June 13th.</p>				
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SEBASTIAN COUNTY --- 1.1 NW OAK PARK [35.44, -94.39], 1.6 SW FT SMITH TWIN CITY A [35.41, -94.34], 1.9 N MASSARD [35.38, -94.35], 1.0 NNW CENTRAL CITY [35.33, -94.26], 0.7 SSW BARLING [35.32, -94.30], 1.9 NNW MASSARD [35.38, -94.36]	05/22/19 04:30 CST	1	0	Flood (due to Heavy Rain)
	05/31/19 23:59 CST		0	Source: Official NWS Observations
<p>Near catastrophic flooding occurred along the Arkansas River with residential subdivisions and businesses flooded in Fort Smith. Numerous roads were closed. A man drove around a barricade near Fort Chaffee on the 28th, was washed off the road into the flooded river, and drowned. Monetary damage from this flood is unknown.</p>				
<p>Direct Fatalities: M64VE</p>				
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FRANKLIN COUNTY --- 2.5 SSE TONEY [35.49, -93.95], 1.2 E OZARK [35.50, -93.81], 0.8 SE GREENWOOD [35.39, -93.76], 1.7 S DENNING [35.38, -93.80], 1.3 S WEBB CITY [35.46, -93.83], 1.7 SSE POPING [35.43, -93.89], 0.9 NNE CECIL [35.44, -93.94]	05/22/19 20:00 CST		0	Flood (due to Heavy Rain)
	05/31/19 23:59 CST		0	Source: Official NWS Observations
<p>The Arkansas River near Ozark Lock and Dam rose above its flood stage of 357 feet at 9:00 pm CDT on May 22nd. The river crested at 374.99 feet at 12:00 pm CDT on the 30th, resulting in major flooding, and the second highest crest on record. Numerous roads were closed, numerous gas fields were flooded, and thousands of acres of agricultural land was inundated by flood water. Monetary damage from this flood is unknown. The river remained in flood through the end of May, and then crested again at 374.95 feet at 10:00 am CDT on June 2nd, which resulted in major flooding. The river finally fell below flood stage at 4:00 pm CDT on June 13th.</p>				
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CRAWFORD COUNTY --- 2.8 WSW STATTLER [35.51, -94.44], 2.3 SSW FIGURE FIVE [35.49, -94.39], 1.9 NW VAN BUREN [35.45, -94.37], 2.9 NW VAN BUREN [35.45, -94.39], 3.8 SSW STATTLER [35.48, -94.42], 3.8 SW STATTLER [35.49, -94.44]	05/23/19 22:30 CST		0	Flood (due to Heavy Rain)
	05/31/19 23:59 CST		0	Source: Official NWS Observations
<p>Lee Creek near Van Buren rose above its flood stage of 401 feet at 11:30 pm CDT on May 23rd. The river crested at 416.40 feet at 7:00 pm CDT on the 28th, resulting in major flooding. Homes were flooded by several feet of water. Roads and campgrounds near the river were closed. Monetary damage from this flood is unknown. The river remained in flood through the end of May, and then crested again at 416.90 feet at 8:15 am CDT on June 1st, which resulted in major flooding, and becomes the second highest crest on record. The river crested a third time at 404.60 feet at 7:30 am CDT on June 7th, which resulted in moderate flooding, and then finally fell below flood stage at 5:00 pm CDT on June 7th.</p>				
<p>A persistently, active weather pattern, consisting of a deep trough over the western U. S. and ridging along the Gulf Coast and southeastern U. S., set the stage for numerous rounds of rainfall across the Southern Plains from May 18th through the end of the month. The atmospheric moisture remained unseasonably high during this period, resulting in very efficient rainfall-producing showers and thunderstorms. Antecedent conditions from the rainfall earlier this month and at the end of April meant that soil moisture was already high, and any additional rainfall would quickly become runoff. Antecedent river and lake levels across eastern Oklahoma were also above normal ahead of this active storm period. Six to sixteen inches of rain fell between May 18th and May 30th along and northwest of a line from near Okmulgee, OK to near Bentonville, AR, and three to five inches of rain fell southeast of this line. Widespread ten to sixteen inch amounts fell across portions of southern Kansas and northern Oklahoma. During this period, six USACE Tulsa District flood control reservoirs set new pools of record in northeastern Oklahoma: Kaw, Keystone, Skiatook, Birch, Oologah, and Hudson Lakes. The result was an extended period of major to record river flooding across northeastern Oklahoma. These near-record to record flows moved through the entire Arkansas River valley, resulting in major to record flood levels of the Arkansas River near Van Buren and Ozark, as well as Lee Creek near Van Buren.</p>				
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WASHINGTON COUNTY --- 3.7 NW SAVOY [36.13, -94.38], 3.0 NNW SAVOY [36.14, -94.35]	05/26/19 01:30 CST		0	Tornado (EF0, L: 1.50 mi , W: 100 yd)
	05/26/19 01:32 CST		0	Source: Trained Spotter

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A tornado snapped large tree limbs. Based on this damage, maximum estimated wind in the tornado was 80 to 85 mph.

Severe thunderstorms developed over West Texas during the late afternoon of the 25th, ahead of a dry line. These storms evolved into a line of thunderstorms that moved across Oklahoma during the evening, reaching northwestern Arkansas during the early morning of the 26th. Very strong low level wind shear in the air mass ahead of the line of thunderstorms allowed for the development of a tornado in Washington County as the storms moved through the area.

SEBASTIAN COUNTY --- 0.7 NNE (FSM)FT SMITH MUNI A [35.34, -94.37]

05/29/19 01:39 CST	0	Thunderstorm Wind (MG 53 kt)
05/29/19 01:39 CST	0	Source: ASOS

The ASOS unit at the Fort Smith Regional Airport measured 61 mph thunderstorm wind gusts.

FRANKLIN COUNTY --- 1.0 S OZARK [35.49, -93.83], 0.1 SSE WEBB CITY [35.48, -93.83]

05/29/19 02:14 CST	2K	Thunderstorm Wind (EG 56 kt)
05/29/19 02:14 CST	0	Source: Emergency Manager

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

BENTON COUNTY --- 2.5 SSW GENTRY [36.24, -94.50]

05/29/19 10:22 CST	0	Thunderstorm Wind (EG 61 kt)
05/29/19 10:22 CST	0	Source: Public

Strong thunderstorm wind blew down multiple trees.

BENTON COUNTY --- 0.7 WNW SILOAM SPGS [36.18, -94.54]

05/29/19 10:30 CST	0	Thunderstorm Wind (EG 61 kt)
05/29/19 10:30 CST	0	Source: Public

Strong thunderstorm wind blew down multiple trees and snapped large tree limbs across town.

BENTON COUNTY --- SILOAM SPGS ARPT [36.18, -94.48]

05/29/19 10:30 CST	0	Thunderstorm Wind (MG 58 kt)
05/29/19 10:30 CST	0	Source: AWOS

The AWOS unit at the Siloam Springs Airport measured 67 mph thunderstorm wind gusts.

BENTON COUNTY --- 0.7 SW HIGHFILL [36.26, -94.36]

05/29/19 10:37 CST	2K	Thunderstorm Wind (EG 61 kt)
05/29/19 10:37 CST	0	Source: Law Enforcement

Strong thunderstorm wind blew down multiple trees and power lines.

CARROLL COUNTY --- 0.6 NW OAK GROVE [36.46, -93.44]

05/29/19 12:00 CST	0	Hail (1.00 in)
05/29/19 12:00 CST	0	Source: Public

Strong to severe thunderstorms developed over central Oklahoma during the evening hours of the 28th, ahead of a cold front that pushed into the area from the west. These storms moved east across eastern Oklahoma and into northwest Arkansas during the early morning hours of the 29th. The strongest storms produced damaging wind gusts as they quickly moved through the area. Additional storms developed across eastern Oklahoma during the morning of the 29th, along and ahead of the cold front as an upper level disturbance moved into the region. These storms produced damaging wind and large hail up to quarter size as they moved across northwest Arkansas during the late morning.

OKLAHOMA, Eastern

OTTAWA COUNTY --- 2.6 ESE HOCKERVILLE [36.98, -94.74], 4.4 NE LINCOLNVILLE [36.98, -94.70], 2.4 NNW PEORIA [36.95, -94.69], 1.8 NE LINCOLNVILLE [36.95, -94.73]

05/01/19 00:00 CST	0	Flood (due to Heavy Rain)
05/03/19 11:15 CST	0	Source: Official NWS Observations

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<p>The Spring River near Quapaw rose above its flood stage of 20 feet at midnight on May 1st. The river crested at 24.07 feet at 3:30 pm CDT on the 1st, resulting in moderate flooding. Parks and recreational areas were flooded. The river fell below flood stage at 12:15 pm CDT on the 3rd.</p>				
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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]	05/01/19 00:30 CST		0	Flood (due to Heavy Rain)
	05/06/19 01:30 CST		0	Source: Official NWS Observations
<p>The Neosho River near Commerce rose above its flood stage of 15 feet at 1:30 am CDT on May 1st. The river crested at 20.08 feet at 3:45 am CDT on the 2nd, resulting in moderate flooding. Moderate agricultural flooding occurred near the river, Riverview Park was flooded, and Highway 125 was closed due to flooding. The river fell below flood stage at 2:30 am CDT on the 6th.</p>				
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PUSHMATAHA COUNTY --- MOYERS [34.32, -95.65], 0.9 NW ANTLERS [34.24, -95.63], 0.7 N ETHEL [34.24, -95.55], 1.7 E MOYERS [34.32, -95.62]	05/01/19 13:00 CST		0	Flood (due to Heavy Rain)
	05/03/19 11:15 CST		0	Source: Official NWS Observations
<p>The Kiamichi River near Antlers rose above its flood stage of 25 feet at 2:00 pm CDT on May 1st. The river crested at 31.30 feet at 12:30 pm CDT on the 2nd, resulting in moderate flooding. Campgrounds were flooded along the river near Moyers, with permanent buildings under water. The river fell below flood stage at 12:15 pm CDT on the 3rd.</p>				
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LE FLORE COUNTY --- 2.2 SE PANAMA [35.15, -94.64], 1.5 NNW TAHONA [35.19, -94.61], 1.8 NE COAL CREEK [35.20, -94.65], 1.5 SSE PANAMA [35.15, -94.66], 1.3 ESE SHADY PT [35.12, -94.65], 1.7 E SHADY PT [35.13, -94.64]	05/01/19 13:30 CST		0	Flood (due to Heavy Rain)
	05/04/19 10:30 CST		0	Source: Official NWS Observations
<p>The Poteau River near Panama rose above its flood stage of 29 feet at 2:30 pm CDT on May 1st. The river crested at 35.42 feet at 12:45 am CDT on the 3rd, resulting in moderate flooding. Agricultural land was flooded from Panama to Arkoma, and some local and county roads were impassable. The river fell below flood stage at 11:30 am CDT on the 4th.</p>				
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CHEROKEE COUNTY --- TAHLEQUAH [35.92, -94.97], 1.3 ESE PARK HILL [35.86, -94.93], 3.8 SSE ELLERVILLE [35.98, -94.87], 3.0 SSE MOODYS [35.99, -94.93]	05/01/19 21:15 CST		0	Flood (due to Heavy Rain)
	05/03/19 00:45 CST		0	Source: Official NWS Observations
<p>The Illinois River near Tahlequah rose above its flood stage of 11 feet at 10:15 pm CDT on May 1st. The river crested at 14.02 feet at 6:00 pm CDT on the 2nd, resulting in moderate flooding. Some county roads, cabins, and parks were flooded. The river fell below flood stage at 1:45 am CDT on the 3rd.</p>				
<p>Multiple rounds of thunderstorm activity moved across eastern Oklahoma on April 30th into the morning hours of May 1st as a cold front slowly moved through the area. Atmospheric moisture was unseasonably high and steering currents were parallel to the front, both of which contributed to widespread, heavy rainfall as thunderstorms were very efficient rain-producers and tended to move repeatedly over the same areas. Most of eastern Oklahoma received two to three inches of rain, with higher totals of four to seven inches across portions of northeastern and southeastern Oklahoma. This widespread, heavy rainfall resulted in moderate flooding of the Neosho River near Commerce, the Spring River near Quapaw, the Illinois River near Tahlequah, the Poteau River near Panama, and the Kiamichi River near Antlers.</p>				
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PAWNEE COUNTY --- 7.3 WSW PAWNEE [36.29, -96.92]	05/05/19 23:26 CST		0	Thunderstorm Wind (MG 65 kt)
	05/05/19 23:26 CST		0	Source: Trained Spotter
<p>Thunderstorm wind gusts were measured to 75 mph.</p>				
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OKFUSKEE COUNTY --- 2.0 N CASTLE [35.50, -96.38]	05/06/19 01:05 CST		1K	Thunderstorm Wind (EG 52 kt)
	05/06/19 01:05 CST		0	Source: Emergency Manager
<p>Strong thunderstorm wind blew down power lines.</p>				
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OKFUSKEE COUNTY --- OKEMAH [35.43, -96.30]	05/06/19 01:13 CST		0	Thunderstorm Wind (EG 56 kt)
	05/06/19 01:13 CST		0	Source: Emergency Manager
<p>Strong thunderstorm wind snapped large tree limbs.</p>				

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OKMULGEE COUNTY --- 1.0 SSE HENRYETTA [35.44, -95.97]				
	05/06/19 01:33 CST		20K	Thunderstorm Wind (EG 61 kt)
	05/06/19 01:33 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down trees, some onto homes, and damaged carports.				
Thunderstorms developed along and ahead of a dry line over western Kansas and the Oklahoma Panhandle during the late afternoon hours of the 5th. These storms moved east during the evening, and into eastern Oklahoma during the early morning hours of the 6th. The stronger storms produced damaging wind.				
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]				
	05/07/19 13:15 CST		0	Flood (due to Heavy Rain)
	05/14/19 09:30 CST		0	Source: Official NWS Observations
The Neosho River near Commerce rose above its flood stage of 15 feet at 2:15 pm CDT on May 7th. The river crested at 20.26 feet at 12:45 am CDT on the 10th, resulting in moderate flooding. Moderate agricultural flooding occurred near the river, Riverview Park was flooded, and Highway 125 was closed due to flooding. The river fell below flood stage at 10:30 am CDT on the 14th.				
OKMULGEE COUNTY --- 4.5 W BEGGS [35.72, -96.15], 0.7 S MURDELL [35.66, -95.98], 4.1 SSW OKMULGEE [35.58, -96.01], 3.2 NNW NUYAKA [35.69, -96.16]				
	05/08/19 05:00 CST		0	Flood (due to Heavy Rain)
	05/15/19 15:00 CST		0	Source: Official NWS Observations
The Deep Fork River near Beggs rose above its flood stage of 18 feet at 6:00 am CDT on May 8th. The river crested at 20.58 feet at 4:30 am CDT on the 10th, and then crested again at 22.30 feet at 12:45 am CDT on the 13th, resulting in moderate flooding. Moderate agricultural flooding occurred near the river, and county roads south of Beggs and northwest of Okmulgee were flooded. The river fell below flood stage at 4:00 pm CDT on the 15th.				
PAWNEE COUNTY --- 2.3 NNW RALSTON [36.53, -96.73], 0.4 NW RALSTON [36.50, -96.72], 1.1 SE RALSTON [36.49, -96.71], 1.0 SSE RALSTON [36.49, -96.72], 0.6 WNW RALSTON [36.50, -96.73], 2.3 NNW RALSTON [36.53, -96.73]				
	05/10/19 14:45 CST		0	Flood (due to Heavy Rain)
	05/14/19 13:00 CST		0	Source: Official NWS Observations
The Arkansas river near Ralston rose above its flood stage of 16 feet at 3:45 pm CDT on May 10th. The river crested at 17.93 feet at 5:00 am CDT on the 12th, resulting in moderate flooding. Agricultural land was flooded. The river fell below flood stage at 2:00 pm CDT on the 14th.				
Thunderstorm activity produced widespread, heavy rainfall across portions of northeastern Oklahoma and southeastern Kansas on several days from May 2nd through May 8th, as an active weather pattern persisted across the Southern Plains during the period. This widespread, heavy rainfall resulted in moderate flooding of the Arkansas River near Ralston, the Neosho River near Commerce, and the Deep Fork River near Beggs.				
TULSA COUNTY --- 3.7 ESE GLENPOOL [35.93, -95.94]				
	05/18/19 10:02 CST		0	Thunderstorm Wind (EG 61 kt)
	05/18/19 10:02 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind snapped large tree limbs.				
TULSA COUNTY --- 3.4 ESE GLENPOOL [35.93, -95.95], 0.9 NW BIXBY [35.96, -95.89]				
	05/18/19 10:03 CST		5K	Tornado (EF0, L: 3.70 mi , W: 350 yd)
	05/18/19 10:08 CST		0	Source: NWS Storm Survey
This tornado developed just southwest of the intersection of E 161st St S and S Harvard Avenue, where an outbuilding was damaged and large tree limbs were snapped. The tornado moved northeast snapping large tree limbs on the south side of Whitehawk Golf Club, as well as in the neighborhoods east of the golf course. It dissipated before crossing Highway 64. Based on this damage, maximum estimated wind in the tornado was 75 to 80 mph.				
OKMULGEE COUNTY --- 1.2 SSW HECTOR [35.81, -95.93]				
	05/18/19 10:14 CST		0	Hail (1.00 in)
	05/18/19 10:14 CST		0	Source: Emergency Manager
OKMULGEE COUNTY --- MORRIS [35.60, -95.85]				
	05/18/19 10:17 CST		0	Hail (0.88 in)
	05/18/19 10:17 CST		0	Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ROGERS COUNTY --- 3.7 S INOLA [36.10, -95.51]				
	05/18/19 10:47 CST		0	Thunderstorm Wind (EG 61 kt)
	05/18/19 10:47 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down a tree onto the S 4210 Road, about a half mile north of the E 640 Road.				
PITTSBURG COUNTY --- 0.6 S MC ALESTER [34.92, -95.77], 1.5 NW KREBS [34.93, -95.74]				
	05/18/19 10:55 CST		70K	Thunderstorm Wind (EG 75 kt)
	05/18/19 10:57 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind damaged homes and businesses, blew down trees, and snapped power poles.				
ROGERS COUNTY --- 6.9 ENE TIAWAH [36.30, -95.45], 8.1 ENE TIAWAH [36.32, -95.44]				
	05/18/19 10:58 CST		25K	Tornado (EF0, L: 1.40 mi , W: 400 yd)
	05/18/19 11:00 CST		0	Source: NWS Storm Survey
This is the first segment of a two-segment tornado. This tornado developed south of Highway 20, about a mile west of the Rogers/Mayes County line. It moved northeast damaging homes, damaging outbuildings, and snapping large tree limbs from Highway 20 to the county line. Based on this damage, maximum estimated wind in this segment of the tornado was 80 to 85 mph. The tornado continued into Mayes County.				
MAYES COUNTY --- 6.5 W PRYOR [36.32, -95.44], 2.6 WNW GREEN [36.40, -95.32]				
	05/18/19 11:00 CST		15K	Tornado (EF1, L: 8.70 mi , W: 400 yd)
	05/18/19 11:11 CST		0	Source: NWS Storm Survey
This is the second segment of a two-segment tornado. In Mayes County, this tornado snapped and uprooted trees, damaged outbuildings, and snapped power poles as it moved northeast from the Rogers/Mayes County line south of the W 480 Road to northeast of the intersection of the W 430 Road and N 431 Road where it dissipated. Based on this damage, maximum estimated wind in this segment of the tornado was 90 to 100 mph.				
MAYES COUNTY --- 5.2 WSW GREEN [36.37, -95.37]				
	05/18/19 11:07 CST		0	Thunderstorm Wind (EG 61 kt)
	05/18/19 11:07 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind snapped large tree limbs.				
MAYES COUNTY --- 2.0 W LANGLEY [36.47, -95.09], 1.2 NNW LANGLEY ARPT [36.49, -95.06]				
	05/18/19 11:32 CST		3K	Tornado (EF0, L: 2.10 mi , W: 100 yd)
	05/18/19 11:35 CST		0	Source: Emergency Manager
This tornado snapped large tree limbs and blew down a few power poles. Based on this damage, maximum estimated wind in the tornado was 75 to 80 mph.				
MAYES COUNTY --- 0.1 WNW LANGLEY ARPT [36.48, -95.05]				
	05/18/19 11:34 CST		2K	Thunderstorm Wind (EG 65 kt)
	05/18/19 11:34 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind snapped large tree limbs and blew down power lines.				
HASKELL COUNTY --- 3.0 NNW MC CURTAIN [35.19, -94.99], 2.6 N MC CURTAIN [35.19, -94.97]				
	05/18/19 12:13 CST		0	Tornado (EF1, L: 1.20 mi , W: 100 yd)
	05/18/19 12:15 CST		0	Source: Fire Department/Rescue
This tornado uprooted trees and snapped large tree limbs. It was observed and photographed by a fireman and trained storm spotter. Based on this damage, maximum estimated wind in the tornado was 85 to 95 mph.				
DELAWARE COUNTY --- 3.0 E KANSAS [36.20, -94.75]				
	05/18/19 12:19 CST		0	Thunderstorm Wind (EG 65 kt)
	05/18/19 12:19 CST		0	Source: Trained Spotter
Strong thunderstorm wind blew down several trees.				
ADAIR COUNTY --- 7.0 N STILWELL [35.92, -94.63]				

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/18/19 12:30 CST		30K	Thunderstorm Wind (EG 65 kt)
	05/18/19 12:30 CST		0	Source: Emergency Manager
Strong thunderstorm wind uprooted several trees and destroyed a large barn.				
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LE FLORE COUNTY --- POTEAU [35.05, -94.62]				
	05/18/19 12:35 CST		15K	Thunderstorm Wind (EG 65 kt)
	05/18/19 12:35 CST		0	Source: Public
Strong thunderstorm wind uprooted a tree, which fell onto a vehicle.				
<hr/>				
LE FLORE COUNTY --- 1.1 ENE SPIRO [35.24, -94.61]				
	05/18/19 12:42 CST		5K	Thunderstorm Wind (EG 52 kt)
	05/18/19 12:42 CST		0	Source: Public
Strong thunderstorm wind snapped large tree limbs and blew shingles off the roofs of homes.				
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LE FLORE COUNTY --- 2.3 E BRADEN [35.28, -94.46]				
	05/18/19 12:53 CST		0	Thunderstorm Wind (MG 68 kt)
	05/18/19 12:53 CST		0	Source: Emergency Manager
Strong thunderstorm wind gusts to 78 mph were measured at the Pocola race track.				
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LE FLORE COUNTY --- 0.6 WSW BASHE [35.32, -94.44], 0.4 WSW BASHE [35.32, -94.44]				
	05/18/19 12:54 CST		15K	Thunderstorm Wind (EG 75 kt)
	05/18/19 12:55 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind damaged the roofs of homes and uprooted trees.				
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LE FLORE COUNTY --- 1.0 SE ARKOMA [35.34, -94.44], 1.1 ESE ARKOMA [35.34, -94.43]				
	05/18/19 12:55 CST		10K	Tornado (EF0, L: 0.30 mi , W: 400 yd)
	05/18/19 12:56 CST		0	Source: NWS Storm Survey
This is the first segment of a two-segment tornado. This tornado developed on the south side of Arkoma, where large tree limbs were snapped and the roofs of homes were damaged. The tornado quickly moved into Sebastian County, Arkansas. Based on the damage in Arkoma, maximum estimated wind in this segment of the tornado was 75 to 85 mph.				
A squall line moved through eastern Oklahoma during the morning hours of May 18th. Very strong low level wind shear and moderately strong instability ahead of the squall line resulted in the development of several tornadoes, as well as damaging wind and large hail up to quarter size, as the line of thunderstorms moved across the area.				
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MAYES COUNTY --- 4.0 WNW ADAIR [36.45, -95.34]				
	05/20/19 11:36 CST		0	Thunderstorm Wind (EG 52 kt)
	05/20/19 11:36 CST		0	Source: Emergency Manager
Thunderstorm wind gusts were estimated to 60 mph.				
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CRAIG COUNTY --- VINITA [36.65, -95.15]				
	05/20/19 11:54 CST		0	Hail (1.00 in)
	05/20/19 11:54 CST		0	Source: Broadcast Media
<hr/>				
CRAIG COUNTY --- VINITA [36.65, -95.15]				
	05/20/19 12:01 CST		0	Hail (0.88 in)
	05/20/19 12:01 CST		0	Source: Emergency Manager
<hr/>				
DELAWARE COUNTY --- 4.1 ESE BERNICE [36.59, -94.86]				
	05/20/19 12:15 CST		0.25M	Thunderstorm Wind (EG 65 kt)
	05/20/19 12:15 CST		0	Source: Emergency Manager
Strong thunderstorm wind destroyed boat docks and sunk boats at Monkey Island.				
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OTTAWA COUNTY --- 3.0 NNE AFTON [36.74, -94.95]				

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/20/19 12:19 CST		0	Hail (1.00 in)
	05/20/19 12:19 CST		0	Source: Trained Spotter
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DELAWARE COUNTY --- 2.3 ESE COPELAND [36.66, -94.78]				
	05/20/19 12:27 CST		0	Hail (0.88 in)
	05/20/19 12:29 CST		0	Source: Trained Spotter
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DELAWARE COUNTY --- GROVE [36.58, -94.77]				
	05/20/19 12:32 CST		50K	Thunderstorm Wind (EG 61 kt)
	05/20/19 12:32 CST		0	Source: Emergency Manager
<p>Strong thunderstorm wind damaged boats docks on Grand Lake near Highway 59.</p>				
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PAWNEE COUNTY --- 1.1 NW PAWNEE [36.34, -96.82], 1.0 NE PAWNEE [36.34, -96.79], 0.7 ENE PAWNEE [36.33, -96.79], 0.8 W PAWNEE [36.33, -96.81]				
	05/20/19 18:34 CST		0	Flash Flood (due to Heavy Rain)
	05/20/19 23:45 CST		0	Source: Social Media
<p>Numerous streets were flooded across Pawnee.</p>				
<hr/>				
OSAGE COUNTY --- HOMINY [36.42, -96.40]				
	05/20/19 18:51 CST		0	Hail (1.00 in)
	05/20/19 18:51 CST		0	Source: Trained Spotter
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OSAGE COUNTY --- HOMINY [36.42, -96.40]				
	05/20/19 18:57 CST		0	Hail (0.88 in)
	05/20/19 18:57 CST		0	Source: Trained Spotter
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OSAGE COUNTY --- 0.2 SSE HOMINY [36.42, -96.40], 0.9 S HOMINY ARPT [36.42, -96.38], 1.4 ESE HOMINY [36.41, -96.38], 0.8 S HOMINY [36.41, -96.40]				
	05/20/19 19:01 CST		0	Flash Flood (due to Heavy Rain)
	05/20/19 23:45 CST		0	Source: Emergency Manager
<p>Multiple streets were flooded, including portions of Highway 99 and Highway 20.</p>				
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PAWNEE COUNTY --- 1.0 SE CLEVELAND [36.31, -96.46], 1.4 NNE CLEVELAND MUNI ARPT [36.30, -96.46], 1.3 N CLEVELAND MUNI ARPT [36.30, -96.47], 0.6 SSE CLEVELAND [36.31, -96.47]				
	05/20/19 19:06 CST		0	Flash Flood (due to Heavy Rain)
	05/20/19 23:45 CST		0	Source: Public
<p>Multiple streets were flooded on the southeast side of Cleveland.</p>				
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OSAGE COUNTY --- PAWHUSKA [36.67, -96.33], 3.2 N PAWHUSKA [36.72, -96.33], 3.9 NNW PAWHUSKA [36.72, -96.36], 1.1 W PAWHUSKA [36.67, -96.35]				
	05/20/19 19:14 CST		50K	Flash Flood (due to Heavy Rain)
	05/20/19 23:45 CST		0	Source: Trained Spotter
<p>Several streets were flooded in and around town, including Lynn Avenue that had about four feet of water flowing over it. A fire department was flooded.</p>				
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WASHINGTON COUNTY --- BARTLESVILLE [36.75, -96.00], 1.7 S HI WAY ARPT [36.76, -95.97], 2.2 ESE BARTLESVILLE [36.74, -95.96], 1.0 S BARTLESVILLE [36.74, -96.00]				
	05/20/19 19:26 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Social Media
<p>Numerous streets in Bartlesville were flooded.</p>				
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TULSA COUNTY --- 2.0 WNW OWASSO ARPT [36.28, -95.81], 1.7 WNW OWASSO ARPT [36.28, -95.81], 1.7 WNW OWASSO ARPT [36.28, -95.81], 2.0 WNW OWASSO ARPT [36.28, -95.81]				
	05/20/19 19:54 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Emergency Manager
<p>E 86th Street N was flooded at N 145th E Avenue.</p>				

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TULSA COUNTY --- 1.8 SW GARNETT [36.15, -95.85], 1.4 SW GARNETT [36.16, -95.85]				
	05/20/19 20:05 CST		2K	Tornado (EF0, L: 0.50 mi , W: 100 yd)
	05/20/19 20:06 CST		0	Source: NWS Storm Survey
A tornado snapped large tree limbs and blew down power poles. Based on this damage, maximum estimated wind in the tornado was 80 to 85 mph.				
WASHINGTON COUNTY --- 5.0 SSE DEWEY [36.73, -95.90], 6.4 SE DEWEY [36.73, -95.86], 6.2 N OGLESBY [36.72, -95.86], 5.7 SSE DEWEY [36.72, -95.90]				
	05/20/19 20:13 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Emergency Manager
Portions of Highway 60 east of Bartlesville, between Bison Road and CR 4015, were flooded and closed.				
TULSA COUNTY --- 3.5 SW COLLINSVILLE [36.34, -95.88], 4.1 WSW COLLINSVILLE [36.34, -95.89], 3.9 WNW COLLINSVILLE [36.40, -95.89], 2.6 NW COLLINSVILLE [36.40, -95.87]				
	05/20/19 20:18 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Trained Spotter
Portions of N Memorial Drive were flooded and closed.				
TULSA COUNTY --- 0.6 S SPERRY [36.29, -96.00], 0.6 SSW SPERRY [36.29, -96.00], 0.6 NNW SPERRY [36.31, -96.00], 0.6 N SPERRY [36.31, -96.00]				
	05/20/19 20:36 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Emergency Manager
Several streets were flooded and closed from W 96th Street N to W 106th Street N in Sperry.				
OSAGE COUNTY --- 1.9 NW SKIATOOK ARPT [36.37, -96.04], 1.8 NNW SKIATOOK ARPT [36.37, -96.04], 1.7 NNW SKIATOOK ARPT [36.37, -96.04], 1.8 NW SKIATOOK ARPT [36.37, -96.04]				
	05/20/19 20:43 CST		75K	Flash Flood (due to Heavy Rain)
	05/20/19 23:45 CST		0	Source: Amateur Radio
Streets were flooded near W Perrier Drive and N Tall Chief Street, and flood water reached occupied structures.				
OKMULGEE COUNTY --- 4.5 N BALD HILL [35.79, -95.85], 5.9 ENE HECTOR [35.85, -95.82]				
	05/20/19 21:01 CST		25K	Tornado (EF1, L: 4.40 mi , W: 450 yd)
	05/20/19 21:11 CST		0	Source: NWS Storm Survey
This tornado damaged a home, destroyed an outbuilding, snapped and uprooted trees, and blew down power poles as it moved north-northeast. Based on this damage, maximum estimated wind in the tornado was 95 to 105 mph.				
WAGONER COUNTY --- 3.5 SSW LA BARGE [35.94, -95.41], 2.8 SSW LA BARGE [35.94, -95.40]				
	05/20/19 21:09 CST		0	Tornado (EF0, L: 0.75 mi , W: 75 yd)
	05/20/19 21:10 CST		0	Source: Trained Spotter
A tornado uprooted several trees and snapped large tree limbs. Based on this damage, maximum estimated wind in the tornado was 80 to 85 mph.				
NOWATA COUNTY --- NOWATA [36.70, -95.63], 0.0 ENE NOWATA [36.70, -95.63], 0.2 N NOWATA [36.70, -95.63], 0.2 N NOWATA [36.70, -95.63]				
	05/20/19 21:12 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Emergency Manager
Portions of Highway 169 in Nowata were closed due to high water.				
ROGERS COUNTY --- VERDIGRIS [36.23, -95.68]				
	05/20/19 21:22 CST		0	Hail (1.00 in)
	05/20/19 21:22 CST		0	Source: Amateur Radio
MAYES COUNTY --- PRYOR [36.30, -95.32], 0.9 ENE PRYOR [36.31, -95.31], 0.8 N PRYOR [36.31, -95.32], 0.5 NW PRYOR [36.30, -95.33]				
	05/20/19 21:25 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Emergency Manager
Portions of Highway 69 and Graham Avenue in Pryor were flooded and closed.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CHEROKEE COUNTY --- 3.5 WSW PEGGS [36.05, -95.15], 2.9 N TERESITA [36.16, -94.99]				
	05/20/19 21:29 CST		0.80M	Tornado (EF2, L: 11.90 mi , W: 2700 yd)
	05/20/19 21:45 CST	1	0	Source: NWS Storm Survey
<p>This is the first segment of a two-segment tornado. This large tornado developed southwest of the intersection of the N 420 Road and the W 660 Road. It moved northeast snapping and uprooting trees, and destroying outbuildings when it crossed those roads. Significant tree damage occurred as the tornado crossed the W 650 Road and approached Highway 82, where homes and businesses were severely damaged and numerous trees were snapped in Peggs. After moving through Peggs, the tornado continued to move northeast across mainly rural, rugged terrain where significant tree damage was noted for several miles. It crossed the N 495 Road snapping trees, damaging homes, and destroying outbuildings, and then moved into Delaware County. Based on this damage, maximum estimated wind in this segment of the tornado was 110 to 120 mph.</p>				
MAYES COUNTY --- 1.3 S SALINA [36.28, -95.15]				
	05/20/19 21:35 CST		0	Thunderstorm Wind (EG 61 kt)
	05/20/19 21:35 CST		0	Source: NWS Storm Survey
<p>Strong thunderstorm wind snapped large tree limbs.</p>				
MAYES COUNTY --- 1.5 SE LAKE HUDSON [36.27, -95.15], 3.5 ESE SALINA [36.29, -95.09]				
	05/20/19 21:35 CST		10K	Tornado (EF1, L: 3.60 mi , W: 1100 yd)
	05/20/19 21:43 CST		0	Source: NWS Storm Survey
<p>This tornado developed in the forward flank of the Peggs/Leach supercell, over Lake Hudson. It moved ashore snapping power poles and uprooting trees along Highway 82. The tornado moved east and then northeast uprooting trees and snapping large limbs as it moved along Kenwood Road. Based on this damage, maximum estimated wind in the tornado was 90 to 100 mph.</p>				
CHEROKEE COUNTY --- 2.7 W TERESITA [36.12, -95.03]				
	05/20/19 21:40 CST		0	Thunderstorm Wind (EG 70 kt)
	05/20/19 21:40 CST		0	Source: NWS Storm Survey
<p>Strong thunderstorm wind, likely associated with the rear flank downdraft of the tornadic Peggs/Leach supercell, uprooted trees toward an easterly direction south of the tornado.</p>				
OSAGE COUNTY --- 0.5 S HOMINY [36.41, -96.40], 1.1 ESE HOMINY [36.41, -96.38], 1.5 SSE HOMINY [36.40, -96.38], 1.3 S HOMINY [36.40, -96.40]				
	05/20/19 21:41 CST		0.50M	Flash Flood (due to Heavy Rain)
	05/20/19 23:45 CST		0	Source: Emergency Manager
<p>Up to five feet of water inundated forty homes and nine businesses in Hominy. The fire department used boats to rescue stranded people.</p>				
CHEROKEE COUNTY --- 1.6 NW TERESITA [36.13, -95.00]				
	05/20/19 21:42 CST		0	Thunderstorm Wind (EG 70 kt)
	05/20/19 21:42 CST		0	Source: NWS Storm Survey
<p>Strong thunderstorm wind, likely associated with the rear flank downdraft of the tornadic Peggs/Leach supercell, uprooted trees toward an easterly direction south of the tornado.</p>				
DELAWARE COUNTY --- 4.7 SW LEACH [36.16, -94.99], 2.1 N TWIN OAKS [36.23, -94.85]				
	05/20/19 21:45 CST		0.15M	Tornado (EF2, L: 9.10 mi , W: 2700 yd)
	05/20/19 21:56 CST		0	Source: NWS Storm Survey
<p>This is the second segment of a two-segment tornado. This large tornado moved into the far southwestern portion of Delaware County and moved northeast toward Leach. It damaged homes, destroyed outbuildings, and snapped or uprooted many trees. The tornado crossed the Cherokee Turnpike west of Twin Oaks and dissipated. Based on this damage, maximum estimated wind in this segment of the tornado was 110 to 120 mph.</p>				
DELAWARE COUNTY --- 2.4 SSW LEACH [36.17, -94.94]				
	05/20/19 21:50 CST		0	Thunderstorm Wind (EG 70 kt)
	05/20/19 21:50 CST		0	Source: NWS Storm Survey
<p>Strong thunderstorm wind, likely associated with the rear flank downdraft of the tornadic Peggs/Leach supercell, uprooted trees toward an easterly direction south of the tornado.</p>				
ROGERS COUNTY --- 3.3 NW INOLA [36.19, -95.54], 3.0 NNW INOLA [36.19, -95.52], 2.1 SE TIAWAH [36.25, -95.55], 1.9 NNW TIAWAH [36.29, -95.58], 2.0 WNW TIAWAH [36.28, -95.60]				

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/20/19 21:51 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: NWS Employee
Portions of Highway 88 were flooded between Highway 412 and Claremore.				
WASHINGTON COUNTY --- 5.0 NNE OGLESBY [36.70, -95.85], 5.0 NNE OGLESBY [36.70, -95.84], 5.0 NNE OGLESBY [36.70, -95.84], 4.9 NNE OGLESBY [36.70, -95.85]				
	05/20/19 21:51 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Emergency Manager
W 2200 Road was flooded at Hogshooter Creek, where a swift water rescue was conducted.				
DELAWARE COUNTY --- 1.7 S LEACH [36.18, -94.92]				
	05/20/19 21:52 CST		0	Thunderstorm Wind (EG 70 kt)
	05/20/19 21:52 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind, likely associated with the rear flank downdraft of the tornadic Peggs/Leach supercell, uprooted trees toward an easterly direction south of the tornado.				
DELAWARE COUNTY --- 1.9 W LEACH [36.20, -94.95], 1.8 NNE TWIN OAKS [36.22, -94.83]				
	05/20/19 21:54 CST		50K	Tornado (EF1, L: 6.90 mi , W: 600 yd)
	05/20/19 22:04 CST		0	Source: NWS Storm Survey
This tornado damaged homes, destroyed outbuildings, and uprooted trees. It developed as the Peggs/Leach tornado was dissipating, and moved east-northeast across the end of the earlier tornado's path. Based on this damage, maximum estimated wind in the tornado was 85 to 95 mph.				
DELAWARE COUNTY --- 0.6 NW TWIN OAKS [36.21, -94.86]				
	05/20/19 21:55 CST		0	Thunderstorm Wind (EG 61 kt)
	05/20/19 21:55 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind snapped large tree limbs.				
OKMULGEE COUNTY --- BEGGS [35.73, -96.07], 1.6 NNW BEGGS [35.75, -96.08], 2.1 NNE BEGGS [35.76, -96.06], 1.3 ENE BEGGS [35.73, -96.05]				
	05/20/19 22:05 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Emergency Manager
Portions of Highways 16 and Alt Highway 75 were flooded and impassable.				
TULSA COUNTY --- 3.0 NNW BROKEN ARROW [36.09, -95.80], 2.5 SW BROKEN ARROW COTTON [36.09, -95.80], 2.6 SW BROKEN ARROW COTTON [36.09, -95.80], 2.7 SW BROKEN ARROW COTTON [36.09, -95.80]				
	05/20/19 22:07 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Public
Portions of E 51st Street S were flooded.				
WASHINGTON COUNTY --- 1.3 SSW DEWEY [36.78, -95.94], 1.3 SSW DEWEY [36.78, -95.94], 1.1 SSW DEWEY [36.79, -95.94], 1.0 SSW DEWEY [36.79, -95.93]				
	05/20/19 22:07 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Emergency Manager
Lakeshore Mobile Home park was evacuated due to flooding of Coon Creek.				
TULSA COUNTY --- 0.4 NW OWASSO [36.27, -95.86], 1.0 ENE OWASSO [36.27, -95.83], 1.2 SE OWASSO [36.26, -95.83], 0.9 SSW OWASSO [36.26, -95.86]				
	05/20/19 22:10 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Broadcast Media
Numerous streets were flooded and closed across the City of Owasso.				
TULSA COUNTY --- COLLINSVILLE [36.37, -95.83], 0.9 W COLLINSVILLE [36.37, -95.85], 1.5 SW COLLINSVILLE [36.35, -95.85], 1.1 S COLLINSVILLE [36.35, -95.83]				

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/20/19 22:10 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Broadcast Media
Numerous streets were flooded and closed across Collinsville.				
ROGERS COUNTY --- CLAREMORE [36.32, -95.60], 2.6 W CLAREMORE [36.32, -95.65], 3.2 WSW CLAREMORE [36.30, -95.65], 1.3 S CLAREMORE [36.30, -95.60]				
	05/20/19 22:25 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Law Enforcement
Numerous roads were flooded and closed in and around Claremore.				
TULSA COUNTY --- 2.7 SSE TURLEY [36.21, -95.96], 2.4 SSE TURLEY [36.22, -95.96], 2.4 SSE TURLEY [36.22, -95.96], 2.7 SSE TURLEY [36.21, -95.96]				
	05/20/19 22:25 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Amateur Radio
N Lewis Avenue was flooded near E 41st Street N.				
WAGONER COUNTY --- 3.0 NNE ONETA [36.06, -95.71], 3.3 NNE ONETA [36.06, -95.69], 3.1 NNE ONETA [36.06, -95.69], 2.8 NNE ONETA [36.06, -95.71]				
	05/20/19 22:28 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Public
Portions of E Kenosha Street were flooded east of Evans Road.				
TULSA COUNTY --- 0.7 ESE TURLEY [36.25, -95.96], 0.7 E TURLEY [36.25, -95.96], 0.9 E TURLEY [36.25, -95.95], 0.8 ESE TURLEY [36.25, -95.96]				
	05/20/19 22:31 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Emergency Manager
N Lewis Avenue was flooded near E 66th Street N where water rescues were conducted. Multiple other roads in and around Turley were flooded and closed.				
MAYES COUNTY --- 0.1 W PRYOR [36.30, -95.32], 0.1 WNW PRYOR [36.30, -95.32], 0.1 NW PRYOR [36.30, -95.32], 0.1 WSW PRYOR [36.30, -95.32]				
	05/20/19 22:51 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Emergency Manager
Highway 69 was flooded and closed near Park Street in Pryor.				
CREEK COUNTY --- 2.1 SW MOUNDS ARPT [35.90, -96.06], 1.9 SW MOUNDS ARPT [35.90, -96.06], 2.0 SW MOUNDS ARPT [35.90, -96.05], 2.1 SW MOUNDS ARPT [35.90, -96.06]				
	05/20/19 23:19 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Law Enforcement
Portions of W 181st Street S, east of Alt Highway 75, were flooded and closed.				
OKMULGEE COUNTY --- 1.8 WNW HECTOR [35.84, -95.95], 2.7 WNW HECTOR [35.84, -95.97], 3.0 WNW HECTOR [35.85, -95.97], 2.0 NW HECTOR [35.85, -95.95]				
	05/20/19 23:52 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Emergency Manager
Portions of Hectorville Road and N 230 Road were flooded and closed.				
OKMULGEE COUNTY --- 3.9 W HECTOR [35.83, -95.99], 1.8 W HECTOR [35.83, -95.95], 1.9 SW HECTOR [35.81, -95.95], 4.3 WSW HECTOR [35.81, -95.99]				
	05/21/19 00:14 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Emergency Manager
Portions of Creager Road between the N 210 Road and the N 250 Road were flooded and closed.				
ROGERS COUNTY --- 4.4 SSE COLLINSVILLE [36.31, -95.81], 4.4 SSE COLLINSVILLE [36.31, -95.81], 4.5 SSE COLLINSVILLE [36.31, -95.81], 4.4 SSE COLLINSVILLE [36.31, -95.81]				
	05/21/19 00:38 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 04:45 CST		0	Source: NWS Employee

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Portions of E 106th Street N were flooded and closed east of Highway 169.				
OSAGE COUNTY --- 1.1 N FAIRFAX [36.59, -96.70], 1.1 N FAIRFAX [36.59, -96.70], 0.8 N FAIRFAX [36.58, -96.70], 0.8 NNW FAIRFAX [36.58, -96.70]				
	05/21/19 01:03 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 04:15 CST		0	Source: Law Enforcement
Portions of Highway 18 and Lake Road were flooded and closed north of Fairfax.				
WASHINGTON COUNTY --- 0.7 SSE HI WAY ARPT [36.77, -95.96], 1.2 SE HI WAY ARPT [36.77, -95.95], 1.6 SSE HI WAY ARPT [36.76, -95.96], 1.0 S HI WAY ARPT [36.77, -95.97]				
	05/21/19 01:03 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 04:15 CST		0	Source: Emergency Manager
Portions of Highway 123 were flooded and closed between Bartlesville and Dewey.				
CRAIG COUNTY --- 1.0 ENE WHITE OAK [36.63, -95.25], 0.4 E WHITE OAK [36.62, -95.26], 0.3 NNE WHITE OAK [36.62, -95.27], 0.9 NE WHITE OAK [36.63, -95.26]				
	05/21/19 01:10 CST		50K	Flash Flood (due to Heavy Rain)
	05/21/19 06:00 CST		0	Source: Trained Spotter
Homes and businesses were flooded.				
OTTAWA COUNTY --- AFTON [36.70, -94.97], 1.6 ESE AFTON [36.69, -94.95], 1.4 S AFTON [36.68, -94.97], 0.8 WSW AFTON [36.69, -94.98]				
	05/21/19 01:11 CST		50K	Flash Flood (due to Heavy Rain)
	05/21/19 01:45 CST		0	Source: Public
Roads in and around Afton were flooded, and high water flooded buildings.				
PAWNEE COUNTY --- 4.2 NNW HALLETT [36.29, -96.59], 3.9 W CLEVELAND MUNI ARPT [36.29, -96.54], 3.9 W CLEVELAND MUNI ARPT [36.28, -96.54], 3.8 NNW HALLETT [36.28, -96.59]				
	05/21/19 01:49 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 04:15 CST		0	Source: Emergency Manager
Portions of Highway 64 between Pawnee and Cleveland were flooded and closed.				
TULSA COUNTY --- 1.2 NNE WEST TULSA [36.17, -96.01], 0.4 N GARNETT [36.18, -95.83], 2.0 NW BROKEN ARROW [36.07, -95.81], 0.3 ESE BOZARTH [36.08, -96.02]				
	05/21/19 03:00 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 04:45 CST		0	Source: County Official
A number of streets were flooded and closed across the City of Tulsa.				
WAGONER COUNTY --- 5.8 NNE BROKEN ARROW [36.13, -95.73], 5.9 NNE BROKEN ARROW [36.12, -95.73], 5.5 NE BROKEN ARROW [36.12, -95.72], 5.3 NNE BROKEN ARROW [36.12, -95.73]				
	05/21/19 03:32 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 04:45 CST		0	Source: Public
A portion of the Creek Turnpike near E 31st Street S was flooded and closed.				
CREEK COUNTY --- 4.0 WNW SAPULPA [36.02, -96.17], 4.5 NW SAPULPA [36.04, -96.16]				
	05/21/19 05:08 CST		0	Tornado (EF1, L: 1.60 mi , W: 75 yd)
	05/21/19 05:11 CST		0	Source: NWS Storm Survey
This tornado developed south of Sahoma Lake and moved north across the lake, then to the northeast, dissipating before reaching W 81st St S. The path is primarily based on radar data, which detected a strong gate-to-gate circulation and debris signature. A storm survey team from NWS Tulsa investigated the area for damage but couldn't access by road the area where the tornado occurred. The area is heavily wooded, which is most likely the origin of the radar detected tornadic debris signature. This tornado was observed by several people.				
TULSA COUNTY --- 0.6 E TULSA [36.15, -95.94]				
	05/21/19 05:27 CST		5K	Thunderstorm Wind (EG 61 kt)
	05/21/19 05:27 CST		0	Source: Broadcast Media

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Strong thunderstorm wind damaged a home near the University of Tulsa, and snapped large tree limbs.				
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TULSA COUNTY --- 2.0 NW TULSA [36.17, -95.97], 2.3 NW TULSA [36.18, -95.98]	05/21/19 05:29 CST		0	Tornado (EF0, L: 0.40 mi , W: 75 yd)
	05/21/19 05:30 CST		0	Source: NWS Storm Survey
This tornado moved north across a mainly industrial area east of N Peoria Avenue and south of Highway 75. Radar detected a tornadic debris signature in this area, and a survey team from NWS Tulsa investigated the area. No damage was found in the industrial area, as access to the area where the tornado occurred was limited. This tornado dissipated just before a stronger tornado developed near this location.				
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TULSA COUNTY --- 2.1 NW TULSA [36.17, -95.97], 1.9 WNW DAWSON [36.18, -95.93]	05/21/19 05:31 CST		0.13M	Tornado (EF1, L: 2.30 mi , W: 550 yd)
	05/21/19 05:35 CST	1	0	Source: NWS Storm Survey
This tornado developed just south of E Pine Street at N Rockford Avenue and moved east. The tornado damaged a number of homes and structures, blew down trees, and snapped two power poles. A man was injured when a large tree fell onto his house. The tornado dissipated just north of E Pine Street near N Oswego Avenue. Based on this damage, maximum estimated wind in the tornado was 90 to 100 mph.				
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TULSA COUNTY --- 3.0 NW (TUL)TULSA INTL ARPT [36.23, -95.92], 2.8 NNW (TUL)TULSA INTL ARPT [36.24, -95.90]	05/21/19 05:37 CST		0	Tornado (EF1, L: 0.70 mi , W: 75 yd)
	05/21/19 05:39 CST		0	Source: NWS Storm Survey
This tornado damaged trees, and resulted in a radar detected tornadic debris signature. It was observed by several people.				
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TULSA COUNTY --- 3.3 N BIXBY [36.00, -95.89]	05/21/19 05:39 CST		0	Thunderstorm Wind (EG 52 kt)
	05/21/19 05:39 CST		0	Source: Trained Spotter
Thunderstorm wind gusts were estimated to 60 mph.				
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TULSA COUNTY --- 3.5 NNE OWASSO [36.32, -95.82], 3.5 SSE COLLINSVILLE [36.32, -95.81]	05/21/19 05:48 CST		0	Tornado (EF0, L: 0.60 mi , W: 100 yd)
	05/21/19 05:49 CST		0	Source: Law Enforcement
This tornado snapped large tree limbs north of the TTC Owasso Campus. Based on this damage, maximum estimated wind in the tornado was 65 to 70 mph.				
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ROGERS COUNTY --- 1.0 NNW CLAREMORE [36.33, -95.61]	05/21/19 05:57 CST		0	Hail (0.88 in)
	05/21/19 05:57 CST		0	Source: Trained Spotter
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ROGERS COUNTY --- 2.8 NNE SAGEEYAH [36.41, -95.63]	05/21/19 06:00 CST		0	Hail (1.00 in)
	05/21/19 06:00 CST		0	Source: Trained Spotter
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ROGERS COUNTY --- 2.0 WSW FOYIL [36.42, -95.55]	05/21/19 06:10 CST		0	Hail (1.00 in)
	05/21/19 06:10 CST		0	Source: Public
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WASHINGTON COUNTY --- 1.5 ENE BARTLESVILLE [36.76, -95.97], 1.3 S HI WAY ARPT [36.76, -95.97], 1.5 SSE HI WAY ARPT [36.76, -95.96], 1.6 E BARTLESVILLE [36.75, -95.97]	05/21/19 06:23 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 10:00 CST		0	Source: Public
Johnstone Park in Bartlesville was flooded. Portions of Highway 123 were flooded and closed.				
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CRAIG COUNTY --- 1.0 W VINITA [36.65, -95.17], 2.9 NE WHITE OAK [36.65, -95.23], 2.1 ESE WHITE OAK [36.61, -95.24], 1.7 WSW VINITA ARPT [36.61, -95.18]	05/21/19 06:43 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 07:45 CST		0	Source: Trained Spotter
Portions of Highways 69 and 60 were flooded and closed.				

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TULSA COUNTY --- 1.5 WNW OWASSO ARPT [36.28, -95.80], 1.3 WNW OWASSO ARPT [36.28, -95.80], 1.3 WNW OWASSO ARPT [36.28, -95.80], 1.5 WNW OWASSO ARPT [36.28, -95.80]				
	05/21/19 06:50 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 10:30 CST		0	Source: Social Media
A portion of E 86th Street N near Centennial Park was flooded and closed.				
CRAIG COUNTY --- 0.8 SE VINITA [36.64, -95.14], 2.4 ENE VINITA ARPT [36.63, -95.11], 2.0 E VINITA ARPT [36.62, -95.11], 0.8 N VINITA ARPT [36.63, -95.15]				
	05/21/19 07:08 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 09:45 CST		0	Source: Emergency Manager
Portions of Highway 60 east of Vinita were flooded and closed.				
NOWATA COUNTY --- 3.0 E LENAPAH [36.85, -95.58], 4.8 E LENAPAH [36.85, -95.54], 4.9 E LENAPAH [36.86, -95.54], 3.1 ENE LENAPAH [36.86, -95.58]				
	05/21/19 07:45 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 09:45 CST		0	Source: Fire Department/Rescue
Portions of Highway 10 east of Lenapah were flooded and closed.				
ROGERS COUNTY --- CLAREMORE [36.32, -95.60], 1.7 W CLAREMORE [36.32, -95.63], 2.0 WSW CLAREMORE [36.30, -95.63], 1.0 S CLAREMORE [36.31, -95.60]				
	05/21/19 07:55 CST		0	Flash Flood (due to Heavy Rain)
	05/21/19 10:30 CST		0	Source: Law Enforcement
Numerous roads in and around the City of Claremore were flooded and closed.				
CREEK COUNTY --- 1.5 SW SAPULPA [35.99, -96.12], 1.4 SW SAPULPA [35.99, -96.12], 1.5 SW SAPULPA [35.98, -96.12], 1.6 SW SAPULPA [35.98, -96.12]				
	05/21/19 08:05 CST		0	Flood (due to Heavy Rain)
	05/22/19 07:30 CST		0	Source: Public
A portion of S Hickory Street was flooded and closed near Rock Creek.				
OSAGE COUNTY --- SKIATOOK [36.37, -96.00], 0.3 S SKIATOOK [36.37, -96.00], 0.8 ESE SKIATOOK [36.36, -95.99], 0.6 E SKIATOOK [36.37, -95.99]				
	05/21/19 09:30 CST		0.10M	Flash Flood (due to Heavy Rain)
	05/21/19 10:00 CST		0	Source: Department of Highways
A number of roads were flooded and closed on the east side of Skiatook. Residents of five homes were trapped by flood waters and had to be rescued by boat.				
ROGERS COUNTY --- 1.9 ENE COLLINSVILLE [36.38, -95.80], 2.4 ENE COLLINSVILLE [36.38, -95.79], 2.3 E COLLINSVILLE [36.38, -95.79], 1.6 ENE COLLINSVILLE [36.38, -95.80]				
	05/21/19 12:14 CST		0	Flood (due to Heavy Rain)
	05/22/19 10:15 CST		0	Source: Trained Spotter
About eight feet of water covered portions of the 4050 Road south of Highway 169.				
OSAGE COUNTY --- 3.3 NNW SKIATOOK [36.42, -96.02], 3.5 N SKIATOOK [36.42, -96.01], 2.8 N SKIATOOK [36.41, -96.00], 2.6 NNW SKIATOOK [36.41, -96.01]				
	05/21/19 13:02 CST		0.15M	Flood (due to Heavy Rain)
	05/22/19 21:45 CST		0	Source: Trained Spotter
A few houses were flooded with two to three feet of water.				

A strong upper level storm system moved into the Southern Plains from the Rockies on the 20th and 21st. The attendant warm front moved from northern Texas northward into northeastern Oklahoma during the day on the 20th, and then the cold front associated with this storm system moved through eastern Oklahoma during the late evening of the 20th and early morning hours of the 21st. Warm, moist, and very unstable air resided across eastern Oklahoma ahead of this system. This pattern resulted in multiple rounds of severe thunderstorms across eastern Oklahoma from the early afternoon of the 20th through late morning of the 21st. Very strong wind shear coexisting with the strong instability resulted in some supercell thunderstorms that produced large hail up to golfball size and multiple tornadoes on the 20th. A squall line developed along the cold front that moved into the area during the morning of the 21st, and that line

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
of storms produced multiple tornadoes along the leading edge. Locally heavy rainfall and subsequent flash flooding occurred across northeastern Oklahoma as multiple rounds of thunderstorms affected generally the same area.				
OTTAWA COUNTY --- 11.3 WNW NORTH MIAMI [36.98, -95.07], 3.6 WSW MIAMI [36.86, -94.94], 3.4 WSW OTTAWA [36.82, -94.85], 1.7 NE FAIRLAND [36.77, -94.83], 2.1 NNW WYANDOTTE [36.83, -94.75], 2.6 WSW NORTH MIAMI [36.91, -94.93], 8.7 NW NORTH MIAMI [36.99, -95.01]				
	05/20/19 18:45 CST		0	Flood (due to Heavy Rain)
	05/31/19 23:59 CST		0	Source: Official NWS Observations

The Neosho River near Commerce rose above its flood stage of 15 feet at 7:45 pm on May 20th. The river crested at 25.51 feet at 10:00 am CDT on the 24th, crested again at 25.33 feet at 11:00 am CDT on the 25th, and crested a third time at 24.43 feet at 7:00 pm CDT on the 29th. Each crest resulted in major flooding. The crest at 25.51 feet was the fifth highest crest on record. Widespread and damaging flooding occurred, with homes and businesses on the south side of Miami flooded. Multiple roads were closed, including Highway 125 south of Miami. Monetary damage from this flood is unknown. The river remained in flood through the end of May, and finally fell below flood stage at 7:30 am CDT on June 6th.

PAWNEE COUNTY --- 1.7 WNW PAWNEE [36.34, -96.83], 1.0 W PAWNEE [36.33, -96.82], 0.6 NNW PAWNEE [36.34, -96.80], 0.7 SE PAWNEE [36.32, -96.79], 2.4 E PAWNEE [36.33, -96.76], 2.4 ENE PAWNEE [36.35, -96.76], 0.8 ENE PAWNEE [36.34, -96.79], 1.2 N PAWNEE [36.35, -96.80]				
	05/20/19 19:30 CST		0	Flood (due to Heavy Rain)
	05/24/19 12:00 CST		0	Source: Official NWS Observations

Black Bear Creek near Pawnee rose above its flood stage of 17 feet at 8:30 pm CDT on May 20th. The river crested at 26.18 feet at 7:00 pm CDT on the 21st, resulting in major flooding. This was the eighth highest crest on record. Severe flooding occurred from west of Pawnee to the river's confluence with the Arkansas River. Some homes were flooded. Monetary damage from this flood is unknown. The river crested a second time at 23.87 feet at 3:00 am CDT on the 23rd, resulting in moderate flooding. The river fell below flood stage at 1:00 pm CDT on the 24th.

OSAGE COUNTY --- 3.9 ESE AVANT [36.46, -96.00], 4.6 N SKIATOOK [36.44, -96.00], 1.1 SW AVANT [36.47, -96.08], 4.5 SSE BARNSDALL [36.51, -96.15], 1.5 ESE BARNSDALL [36.56, -96.14], 2.8 SW WOLCO [36.52, -96.11], 2.3 ENE AVANT [36.49, -96.03]				
	05/20/19 20:30 CST		0	Flood (due to Heavy Rain)
	05/22/19 07:00 CST		0	Source: Official NWS Observations

Bird Creek near Avant rose above its flood stage of 17 feet at 9:30 pm CDT on May 20th. The river crested at 36.52 feet at 12:00 pm CDT on the 21st, resulting in record flooding. Severely damaging flooding occurred from Barnsdall to Skiatook. Homes were flooded and expansive agricultural flooding occurred. Highway 11 was closed between Avant and Skiatook. Monetary damage as a result of the flood is unknown. The river fell below flood stage at 8:00 am CDT on the 22nd.

PAWNEE COUNTY --- 4.8 NW RALSTON [36.56, -96.77], 2.1 S RALSTON [36.47, -96.72], 4.1 NNW SKEDEE [36.43, -96.73], 2.4 NE SKEDEE [36.41, -96.67], 3.6 N BLACKBURN [36.42, -96.61], 4.3 SSE RALSTON [36.44, -96.69], 1.1 NE RALSTON [36.51, -96.70], 4.6 N RALSTON [36.57, -96.73]				
	05/20/19 21:45 CST		0	Flood (due to Heavy Rain)
	05/31/19 23:59 CST		0	Source: Official NWS Observations

The Arkansas River near Ralston rose above its flood stage of 16 feet at 10:45 pm CDT on May 20th. The river crested at 19.26 feet at 4:00 pm CDT on the 21st, resulting in moderate flooding. The river crested a second time at 22.14 feet at 6:00 am CDT on the 23rd, resulting in major flooding. This crest was the seventh highest stage on record. The river crested a third time at 21.99 feet at 6:30 am CDT on the 25th, and a fourth time at 22.03 feet at 7:15 am CDT on the 26th, both of which resulted in major flooding. Severe agricultural flooding occurred, and county roads were flooded. Monetary damage from this flood is unknown. The river remained above flood stage through the end of May, and finally fell below flood stage at 2:00 am CDT on June 1st.

TULSA COUNTY --- 3.6 NNE COLLINSVILLE [36.42, -95.82], 0.5 NNW COLLINSVILLE [36.38, -95.83], 3.7 ESE COLLINSVILLE [36.35, -95.77], 4.5 E COLLINSVILLE [36.38, -95.75], 3.1 E COLLINSVILLE [36.38, -95.78], 4.4 NNE COLLINSVILLE [36.42, -95.79]				
	05/20/19 23:15 CST		0	Flood (due to Heavy Rain)
	05/31/19 23:59 CST		0	Source: Official NWS Observations

The Caney River near Collinsville rose above its flood stage of 26 feet at 12:15 am CDT on May 21st. The river crested at 33.05 feet at 2:45 pm CDT on the 21st, and crested a second time 37.12 feet at 6:15 pm CDT on the 23rd, both crests resulting in major flooding. The crest of 37.12 feet was the third highest crest on record. Very severe flooding occurred from Collinsville to areas downstream, with extensive farmland flooding, homes northeast of Collinsville flooded, and roads near the river flooded. The river crested a third time at 33.31 feet at 9:45 am CDT on the 26th, which resulted in major flooding, and a fourth and final time at 32.74 feet at 8:30 am CDT on the 30th, which resulted in moderate flooding. Monetary damage from this flood is unknown. The river remained above flood stage through the end of May, and finally fell below flood stage at 6:15 pm CDT on June 2nd.

WASHINGTON COUNTY --- 1.1 NNE BARTLESVILLE [36.76, -95.99], 1.3 E BARTLESVILLE [36.75, -95.98], 2.1 SSE HI WAY ARPT [36.75, -95.96], 2.0 SE HI WAY ARPT [36.76, -95.95], 1.0 SW HI WAY ARPT [36.77, -95.98]				
	05/20/19 23:30 CST		0	Flood (due to Heavy Rain)
	05/24/19 10:30 CST		0	Source: Official NWS Observations

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>The Caney River near Bartlesville rose above its flood stage of 13 feet at 12:30 am CDT on May 21st. The river crested at 18.21 feet at 5:45 pm CDT on the 21st, and crested again at 16.06 feet at 10:00 am CDT on the 23rd, both resulting in moderate flooding. Serious flooding occurred in Johnstone Park and in residential areas of Bartlesville. Tuxedo Boulevard, Hillcrest Drive, and portions of Adams Road were closed along with other county roads. Monetary damage from this flood is unknown. The river fell below flood stage at 11:30 am CDT on the 24th.</p>				

OTTAWA COUNTY --- 2.7 ESE HOCKERVILLE [36.99, -94.73], 1.0 WNW LINCOLNVILLE [36.94, -94.77], 1.4 SE OTTAWA [36.84, -94.78], 3.0 NNE WYANDOTTE [36.84, -94.70], 4.4 NNW PEORIA [36.98, -94.69]

05/20/19 23:45 CST	0	Flood (due to Heavy Rain)
05/27/19 09:45 CST	0	Source: Official NWS Observations

The Spring River near Quapaw rose above its flood stage of 20 feet at 12:45 am CDT on May 21st. The river crested at 33.82 feet at 5:30 pm CDT on the 23rd, resulting in major flooding. Agricultural land and county roads were flooded to a depth of several feet. Monetary damage from this flood is unknown. The river fell below flood stage at 10:45 am CDT on the 27th.

TULSA COUNTY --- 2.5 ESE TURLEY [36.24, -95.93], 2.8 W (TUL)TULSA INTL ARPT [36.21, -95.93], 2.0 NNE (TUL)TULSA INTL ARPT [36.22, -95.86], 3.1 NNE LYNN LANE [36.19, -95.75], 3.8 SE OWASSO ARPT [36.23, -95.73], 0.7 S OWASSO [36.26, -95.85]

05/21/19 00:15 CST	0	Flood (due to Heavy Rain)
05/27/19 12:45 CST	0	Source: Official NWS Observations

Bird Creek near Owasso rose above its flood stage of 18 feet at 1:15 am CDT on May 21st. The river crested at 29.84 feet at 1:30 am CDT on the 23rd, resulting in major flooding, then crested again at 20.31 feet at 9:30 am CDT on the 26th, resulting in moderate flooding. The crest of 29.84 feet was the fourth highest crest on record. Disastrous flooding occurred from north Tulsa to Catoosa. Homes and businesses were flooded. Mingo Road and other county roads were closed. Monetary damage from this flood is unknown. The river fell below flood stage at 1:45 pm CDT on the 27th.

TULSA COUNTY --- 3.0 ESE TURLEY [36.24, -95.92], 1.4 SE TURLEY [36.24, -95.95], 2.1 NNE SPERRY [36.33, -95.99], 0.8 NNE SKIATOOK [36.38, -95.99], 1.7 ENE SKIATOOK [36.38, -95.97]

05/21/19 00:30 CST	0	Flood (due to Heavy Rain)
05/24/19 19:00 CST	0	Source: Official NWS Observations

Bird Creek near Sperry rose above its flood stage of 21 feet at 1:30 am CDT on May 21st. The river crested at 31.29 feet at 2:30 am CDT on the 22nd, resulting in major flooding, then crested again at 28.14 feet at 2:00 am CDT on the 24th, resulting in moderate flooding. Very serious flooding occurred from Skiatook to Turley. Some homes and businesses were flooded on the east side of Skiatook. Highways 11 and 20 near Skiatook were closed, as were other county roads. Monetary damage from this flood is unknown. The river fell below flood stage at 8:00 pm CDT on the 24th.

NOWATA COUNTY --- 2.6 SE LENAPAH [36.82, -95.60], 5.2 NE CHILDERS [36.82, -95.50], 3.5 SE ELLIOT [36.89, -95.58], 2.1 N LENAPAH [36.88, -95.63]

05/21/19 01:00 CST	0	Flood (due to Heavy Rain)
05/31/19 23:59 CST	0	Source: Official NWS Observations

The Verdigris River near Lenapah rose above its flood stage of 30 feet at 2:00 am CDT on May 21st. The river crested at 36.02 feet at 12:30 pm CDT on the 22nd, crested at 36.66 feet at 1:30 am CDT on the 24th, and crested a third time at 37.44 feet at 4:45 pm CDT on the 28th, each crest resulting in major flooding. The third crest was the eighth highest stage on record. Severe agricultural flooding occurred, and many county roads were flooded, including Highway 10 east of Lenapah. Monetary damage from this flood is unknown. The river remained above flood stage through the end of May, and finally fell below flood stage at 7:15 am CDT on June 1st.

MUSKOGEE COUNTY --- 4.1 NE TAFT [35.82, -95.48], 0.7 NNW WYBARK [35.83, -95.33], 4.4 SE FT GIBSON [35.75, -95.20], 2.6 S BRAGGS [35.63, -95.21], 2.1 NE WEBBERS FALLS SHEFFI [35.52, -95.09], 1.4 SW WEBBERS FALLS SHEFFI [35.49, -95.14], 3.0 NNW MC LAIN [35.61, -95.29], 1.6 NE MUSKOGEE [35.77, -95.35]

05/21/19 02:00 CST	0	Flood (due to Heavy Rain)
05/31/19 23:59 CST	0	Source: Official NWS Observations

The Arkansas River near Muskogee rose above its flood stage of 28 feet at 3:00 am CDT on May 21st. The river crested at 46.39 feet at 9:00 am CDT on the 26th, and crested a second time 46.00 feet at 7:30 am CDT on the 30th, both crests resulting in major flooding. The crest of 46.39 feet was the second highest crest on record, and the crest at 46.00 feet was the third highest crest on record. Very severe flooding occurred from Muskogee to Webbers Falls. Homes and businesses were flooded, and numerous roads were closed. Monetary damage from this flood is unknown. The river remained above flood stage through the end of May, crested again at 32.63 feet at 3:15 pm CDT on June 7th, and then finally fell below flood stage at 7:30 am CDT on June 12th.

WASHINGTON COUNTY --- 3.7 E VERA [36.45, -95.81], 0.9 E VERA [36.45, -95.86], 3.5 S OGLESBY [36.58, -95.87], 3.5 SSE OGLESBY [36.58, -95.84]

05/21/19 02:00 CST	0	Flood (due to Heavy Rain)
05/31/19 23:59 CST	0	Source: Official NWS Observations

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>The Caney River near Ramona rose above its flood stage of 26 feet at 3:00 am CDT on May 21st. The river crested at 29.59 feet at 3:45 am CDT on the 23rd, crested at 28.09 feet at 4:30 am CDT on the 26th, and crested a third time at 28.12 feet at 10:15 pm CDT on the 29th, each crest resulting in moderate flooding. Severe flooding occurred between Ochelata and the northeastern tip of Tulsa County, and rural roads were closed between Ramona and Talala. Monetary damage from this flood is unknown. The river remained above flood stage through the end of May, and finally fell below flood stage at 1:15 am CDT on June 1st.</p>				

<p>CREEK COUNTY --- 1.5 SSE SAPULPA [35.98, -96.09], 1.7 NNE SAPULPA [36.02, -96.09], 1.6 NNW HILTON [36.04, -96.07], 1.0 ENE HILTON [36.03, -96.03], 1.0 ESE HILTON [36.01, -96.03], 0.5 WSW HILTON [36.02, -96.06], 1.1 WSW HILTON [36.01, -96.07], 2.0 ESE SAPULPA [35.99, -96.07]</p>				
	05/21/19 03:00 CST		0	Flood (due to Heavy Rain)
	05/22/19 09:30 CST		0	Source: Official NWS Observations

Polecat Creek near Sapulpa rose above its flood stage of 21 feet at 4:00 am CDT on May 21st. The river crested at 28.00 feet at 4:00 pm CDT on the 21st, resulting in moderate flooding. Severe agricultural flooding occurred, and oil fields and county roads were flooded between Sapulpa and Jenks. Monetary damage from this flood is unknown. The river fell below flood stage at 10:30 am CDT on the 22nd.

<p>OKMULGEE COUNTY --- 2.9 NNW NUYAKA [35.69, -96.15], 2.5 ENE NUYAKA [35.66, -96.09], 3.2 WSW OKMULGEE [35.62, -96.03], 1.3 NW OKMULGEE [35.64, -95.98], 3.3 SSE BEGGS [35.69, -96.04], 3.5 WSW BEGGS [35.71, -96.13]</p>				
	05/21/19 23:30 CST		0	Flood (due to Heavy Rain)
	05/31/19 23:59 CST		0	Source: Official NWS Observations

The Deep Fork River near Beggs rose above its flood stage of 18 feet at 12:30 am CDT on May 22nd. The river crested at 26.01 feet at 6:45 pm CDT on the 26th, and then crested again at 23.44 feet at 4:00 am CDT on the 31st. Both crests resulted in moderate flooding. Agricultural flooding occurred, and county roads were flooded. The river remained above flood stage through the end of May, and finally fell below flood stage at 9:30 pm CDT on June 3rd.

<p>TULSA COUNTY --- 0.7 NNE PRATTVILLE [36.13, -96.11], 0.9 ENE WEST TULSA [36.15, -96.01], 2.3 ESE GARDEN CITY [36.12, -95.98], 1.4 NNE TULSA R L JONES ARPT [36.05, -95.97], 1.4 NW TULSA R L JONES ARPT [36.04, -96.00], 0.9 E GARDEN CITY [36.13, -96.00], 1.4 SE PRATTVILLE [36.11, -96.10]</p>				
	05/21/19 23:30 CST	2	0	Flood (due to Heavy Rain)
	05/31/19 23:59 CST		0	Source: Official NWS Observations

The Arkansas River near Tulsa rose above its flood stage of 18 feet at 12:30 am CDT on May 22nd. The river crested at 23.41 feet at 3:00 pm CDT on the 29th, resulting in major flooding. This was the second highest crest on record. Severe flooding occurred along the Arkansas River in Tulsa County, with some homes in south Tulsa and Bixby flooded. Riverside Drive in Tulsa was closed in places. A man fell into the river in Tulsa on the 26th, and another waded into the river. Both men drowned. Monetary damage from this flood is unknown. The river remained above flood stage through the end of May, and finally fell below flood stage at 6:30 am CDT on June 1st.

Direct Fatalities: M30IW, M??IW

<p>MUSKOGEE COUNTY --- 2.3 N HASKELL [35.85, -95.67], 3.4 NE HASKELL [35.86, -95.63], 3.5 ESE HASKELL [35.79, -95.62], 2.9 WNW TAFT [35.78, -95.58], 3.0 E JAMESVILLE [35.75, -95.60], 2.3 SSE HASKELL [35.79, -95.66]</p>				
	05/22/19 02:00 CST		0	Flood (due to Heavy Rain)
	05/31/19 23:59 CST		0	Source: Official NWS Observations

The Arkansas River near Haskell rose above its flood stage of 19 feet at 3:00 am CDT on May 22nd. The river crested at 24.24 feet at 10:15 pm CDT on the 29th, resulting in major flooding. This was the second highest crest on record. Severe agricultural flooding occurred, and county roads were flooded. Monetary damage from this flood is unknown. The river remained above flood stage through the end of May, and finally fell below flood stage at 9:45 pm CDT on June 1st.

<p>OSAGE COUNTY --- 3.9 ESE AVANT [36.46, -96.00], 4.6 N SKIATOOK [36.44, -96.00], 1.1 SW AVANT [36.47, -96.08], 4.5 SSE BARNSDALL [36.51, -96.15], 1.5 ESE BARNSDALL [36.56, -96.14], 2.8 SW WOLCO [36.52, -96.11], 2.3 ENE AVANT [36.49, -96.03]</p>				
	05/22/19 23:30 CST		0	Flood (due to Heavy Rain)
	05/23/19 12:45 CST		0	Source: Official NWS Observations

Bird Creek near Avant rose above its flood stage of 17 feet at 12:30 am CDT on May 23rd. The river crested at 27.92 feet at 5:30 am CDT on the 23rd, resulting in major flooding. Damaging flooding occurred from Barnsdall to Skiatook. Homes were flooded and agricultural flooding occurred. Portions of Highway 11 were closed between Avant and Skiatook. Monetary damage as a result of the flood is unknown. The river fell below flood stage at 1:45 pm CDT on the 23rd.

<p>ROGERS COUNTY --- 4.7 WNW VERDIGRIS [36.26, -95.75], 4.0 SW SAGEEYAH [36.34, -95.71], 1.7 S OOLOGAH [36.43, -95.70], 2.4 NNE SAGEEYAH [36.40, -95.64], 3.2 SSW SAGEEYAH [36.33, -95.67], 1.4 N VERDIGRIS [36.25, -95.68]</p>				
	05/23/19 13:45 CST		0	Flood (due to Heavy Rain)
	05/31/19 23:59 CST		0	Source: Official NWS Observations

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
The Verdigris River near Claremore rose above its flood stage of 36 feet at 2:45 pm CDT on May 23rd. The river crested at 45.46 feet at 2:00 am CDT on the 27th, and then a second time at 44.69 feet at 7:30 pm CDT on the 30th, both crests resulting in major flooding. Severe flooding occurred between the Oologah Dam and Verdigris, with some homes flooded on the west side of Claremore. Portions of county roads were flooded. Monetary damage from this flood is unknown. The river remained above flood stage through the end of May, and finally fell below flood stage at 6:00 am CDT on June 3rd.				

OSAGE COUNTY --- 9.4 WSW APPERSON [36.70, -96.93], 9.7 WSW APPERSON [36.71, -96.94], 17.0 W APPERSON [36.71, -97.07], 17.3 WSW APPERSON [36.69, -97.07], 10.3 WSW APPERSON [36.67, -96.93], 8.6 WSW APPERSON [36.69, -96.91]				
	05/23/19 15:00 CST		0	Flood (due to Heavy Rain)
	05/30/19 20:30 CST		0	Source: Official NWS Observations

The Arkansas River near Ponca City rose above its flood stage of 17 feet at 4:00 pm CDT on May 23rd. The river crested at 22.26 feet at 4:00 pm CDT on the 24th, resulting in record flooding. Significant flooding occurred south of South Avenue in Ponca City and east of 12th Street. Monetary damage from this flood is unknown. The river fell below flood stage at 9:30 pm CDT on the 30th.

WASHINGTON COUNTY --- 1.1 NNE BARTLESVILLE [36.76, -95.99], 1.3 E BARTLESVILLE [36.75, -95.98], 2.1 SSE HI WAY ARPT [36.75, -95.96], 2.0 SE HI WAY ARPT [36.76, -95.95], 1.0 SW HI WAY ARPT [36.77, -95.98]				
	05/25/19 07:00 CST		0	Flood (due to Heavy Rain)
	05/30/19 07:30 CST		0	Source: Official NWS Observations

The Caney River near Bartlesville rose above its flood stage of 13 feet at 8:00 am CDT on May 25th. The river crested at 17.83 feet at 4:30 am CDT on the 28th, resulting in moderate flooding. Serious flooding occurred in Johnstone Park. Tuxedo Boulevard and Hillcrest Drive were closed, along with other county roads. Monetary damage from this flood is unknown. The river fell below flood stage at 8:30 am CDT on the 30th.

LE FLORE COUNTY --- 0.4 SSE PANCO [35.16, -94.68], 1.5 ENE COAL CREEK [35.19, -94.65], 2.0 SW BRADEN [35.26, -94.53], 1.4 NNW ARKOMA [35.37, -94.46], 1.0 ENE ARKOMA [35.36, -94.44], 2.6 SSW BASHE [35.29, -94.45], 1.9 N WILLIAMS [35.20, -94.55], 1.4 W TAHONA [35.17, -94.63]				
	05/25/19 08:30 CST		0	Flood (due to Heavy Rain)
	05/31/19 23:59 CST		0	Source: Official NWS Observations

The Poteau River near Panama rose above its flood stage of 29 feet at 9:30 am CDT on May 25th. The river crested at 36.03 feet at 6:30 pm CDT on the 30th, resulting in moderate flooding. Agricultural land was flooded from near Panama to near Arkoma, and county roads were closed. The river remained above flood stage through the end of May, and finally fell below flood stage at 4:00 pm CDT on June 4th.

A persistently active weather pattern, consisting of a deep trough over the western U. S. and ridging along the Gulf Coast and southeastern U. S., set the stage for numerous rounds of rainfall across the Southern Plains from May 18th through the end of the month. The atmospheric moisture remained unseasonably high during this period, resulting in very efficient rainfall-producing showers and thunderstorms. Antecedent conditions from the rainfall earlier this month and at the end of April meant that soil moisture was already high, and any additional rainfall would quickly become runoff. Antecedent river and lake levels were also above normal ahead of this active storm period. Six to sixteen inches of rain fell between May 18th and May 30th along and northwest of a line from near Okmulgee, OK to near Bentonville, AR, and three to five inches of rain fell southeast of this line. Widespread ten to sixteen inch amounts fell across portions of southern Kansas and northern Oklahoma. During this period, six USACE Tulsa District flood control reservoirs set new pools of record in northeastern Oklahoma: Kaw, Keystone, Skiatook, Birch, Oologah, and Hudson Lakes.

The result was 31 river floods at 22 river forecast points in eastern Oklahoma. There was a total of 54 crests during those 31 floods, two of which were new records (Arkansas River near Ponca City, and Bird Creek at Avant), and 25 of which were crests in the major flood category. Fourteen of the 31 floods lasted seven days or more; eleven lasted ten days or more; two lasted fourteen days or more; and one lasted 21 days or more. The Arkansas River near Muskogee was above flood stage the longest at approximately 22 days and 5 hours, and was also above the major flood category the longest at approximately 13 days and 12 hours.

OKFUSKEE COUNTY --- 4.3 SSW CASTLE [35.41, -96.40], 3.6 SSW CASTLE [35.42, -96.40]				
	05/22/19 15:34 CST		0	Tornado (EFU, L: 0.50 mi , W: 100 yd)
	05/22/19 15:35 CST		0	Source: Trained Spotter

A brief tornado was observed by trained storm spotters. There is no known damage from this tornado, as the area in which this tornado occurred was inaccessible by road.

OKFUSKEE COUNTY --- 1.2 SSW CASTLE [35.45, -96.39], 0.3 ESE CASTLE [35.47, -96.38]				
	05/22/19 15:41 CST		0	Tornado (EFU, L: 1.00 mi , W: 50 yd)
	05/22/19 15:43 CST		0	Source: Storm Chaser

Storm chasers observed a tornado south through southeast of Castle. No known damage occurred from this tornado.

OKFUSKEE COUNTY --- 2.0 NE CASTLE [35.49, -96.36], 2.1 SW LAKE OKEMAH [35.50, -96.35]				
	05/22/19 15:47 CST		25K	Tornado (EF1, L: 0.80 mi , W: 75 yd)
	05/22/19 15:49 CST		0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>This tornado destroyed outbuildings and snapped large tree limbs. It was observed by several people. Based on this damage, maximum estimated wind in the tornado was 85 to 95 mph.</p>				
OKFUSKEE COUNTY --- 0.5 N OKFUSKEE [35.61, -96.23], 0.9 NE OKFUSKEE [35.61, -96.22]				
	05/22/19 16:10 CST		10K	Tornado (EF1, L: 0.60 mi , W: 125 yd)
	05/22/19 16:12 CST		0	Source: NWS Storm Survey
<p>This tornado snapped trees, damaged a barn, and blew round hay bales out of a field across a road. Several people witnessed this tornado and it produced a radar-detected debris signature. Based on this damage, maximum estimated wind in the tornado was 90 to 100 mph.</p>				
OKFUSKEE COUNTY --- 2.1 E OKEMAH ARPT [35.44, -96.24], 3.0 E OKEMAH ARPT [35.44, -96.23]				
	05/22/19 16:22 CST		0	Thunderstorm Wind (EG 70 kt)
	05/22/19 16:23 CST		0	Source: NWS Storm Survey
<p>Strong thunderstorm wind uprooted trees.</p>				
OKFUSKEE COUNTY --- 3.0 NW CLEARVIEW [35.43, -96.22], 6.3 ESE MORSE [35.51, -96.17]				
	05/22/19 16:23 CST		40K	Tornado (EF1, L: 6.00 mi , W: 650 yd)
	05/22/19 16:33 CST		0	Source: NWS Storm Survey
<p>This tornado developed just north of I-40 and moved northeast, damaging homes, snapping trees, and destroying outbuildings. The tornado began to turn north at about the E 1065 Road, and dissipated near the E 1040 Road. Based on this damage, maximum estimated wind in the tornado was 100 to 110 mph.</p>				
OKFUSKEE COUNTY --- 5.4 NNW PHAROAH [35.49, -96.16], 6.0 ESE OKFUSKEE [35.55, -96.14]				
	05/22/19 16:32 CST		10K	Tornado (EF1, L: 4.40 mi , W: 400 yd)
	05/22/19 16:43 CST		0	Source: NWS Storm Survey
<p>This is the first segment of a two-segment tornado. This tornado developed near the E 1050 Road and moved north-northeast toward, and ultimately across, Dripping Springs Lake near the county line. In Okfuskee County, the tornado snapped trees and damaged outbuildings. Based on this damage, maximum estimated wind in this segment of the tornado was 100 to 110 mph. Several people observed the tornado, and it produced a radar-detected debris signature. The tornado continued into Okmulgee County.</p>				
OKMULGEE COUNTY --- 6.8 S NUYAKA [35.55, -96.14], 3.7 SSW NUYAKA [35.60, -96.15]				
	05/22/19 16:43 CST		0	Tornado (EF1, L: 3.30 mi , W: 400 yd)
	05/22/19 16:50 CST		0	Source: NWS Storm Survey
<p>This is the second segment of a two-segment tornado. This tornado moved into Okmulgee County over the west side of Dripping Springs Lake and moved north snapping and uprooting numerous trees from south of the E 1000 Road to north of the E 990 Road. The tornado turned north-northwest and dissipated near the E 980 Road and east of Highway 56. Based on the extensive damage to trees, maximum estimated wind in this segment of the tornado was 100 to 110 mph. This tornado was observed by several people, and produced a radar-detected debris signature.</p>				
OKMULGEE COUNTY --- 1.0 ESE OKMULGEE [35.63, -95.95]				
	05/22/19 16:48 CST		50K	Hail (2.75 in)
	05/22/19 16:48 CST		0	Source: Amateur Radio
OKMULGEE COUNTY --- OKMULGEE [35.63, -95.97]				
	05/22/19 16:53 CST		30K	Hail (1.75 in)
	05/22/19 16:53 CST		0	Source: Amateur Radio
OSAGE COUNTY --- 0.1 SSW SKIATOOK [36.37, -96.00]				
	05/22/19 16:55 CST		25K	Hail (1.75 in)
	05/22/19 16:55 CST		0	Source: Amateur Radio
OKMULGEE COUNTY --- 2.6 NW MORRIS [35.62, -95.89]				
	05/22/19 17:03 CST		0	Tornado (EF0, L: 0.20 mi , W: 75 yd)
	05/22/19 17:03 CST		0	Source: Trained Spotter
<p>A brief tornado was reported by a trained storm spotter. An NWS damage survey found that the tornado snapped large tree limbs. Based on this damage, maximum estimated wind in the tornado was 70 to 80 mph.</p>				
TULSA COUNTY --- 3.4 NNE TURLEY [36.29, -95.94]				

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/22/19 17:07 CST		0	Tornado (EF0, L: 0.20 mi , W: 75 yd)
	05/22/19 17:07 CST		0	Source: Trained Spotter
<hr/>				
CREEK COUNTY --- 0.6 ENE MOUNDS [35.87, -96.06]				
	05/22/19 17:10 CST		0	Hail (1.00 in)
	05/22/19 17:10 CST		0	Source: Amateur Radio
<hr/>				
WASHINGTON COUNTY --- 3.0 W VERA [36.45, -95.93]				
	05/22/19 17:13 CST		25K	Hail (2.50 in)
	05/22/19 17:13 CST		0	Source: Storm Chaser
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OKMULGEE COUNTY --- 0.9 NW BALD HILL [35.74, -95.84]				
	05/22/19 17:15 CST		5K	Hail (1.25 in)
	05/22/19 17:15 CST		0	Source: Public
<hr/>				
MUSKOGEE COUNTY --- 1.3 NE HASKELL [35.83, -95.66]				
	05/22/19 17:36 CST		0	Tornado (EF0, L: 0.20 mi , W: 75 yd)
	05/22/19 17:36 CST		0	Source: Trained Spotter
<hr/>				
A brief tornado was reported by a trained storm spotter. An NWS damage survey found that the tornado snapped large tree limbs. Based on this damage, maximum estimated wind in the tornado was 70 to 80 mph.				
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CRAIG COUNTY --- 5.6 ESE CENTRALIA [36.78, -95.25], 2.3 NW PYRAMID CORNERS [36.82, -95.18]				
	05/22/19 17:44 CST		0	Tornado (EF1, L: 5.10 mi , W: 350 yd)
	05/22/19 17:53 CST		0	Source: NWS Storm Survey
<hr/>				
This tornado snapped and uprooted trees. Based on this damage, maximum estimated wind in the tornado was 95 to 105 mph. Multiple people observed this tornado, and it produced a radar-detected debris signature.				
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WASHINGTON COUNTY --- 1.0 ESE BARTLESVILLE [36.75, -95.98]				
	05/22/19 17:51 CST		0	Hail (0.75 in)
	05/22/19 17:51 CST		0	Source: Emergency Manager
<hr/>				
CRAIG COUNTY --- 2.3 NNE PYRAMID CORNERS [36.83, -95.14], 2.1 SSW WELCH [36.84, -95.12]				
	05/22/19 17:59 CST		3K	Tornado (EF1, L: 1.50 mi , W: 150 yd)
	05/22/19 18:01 CST		0	Source: NWS Storm Survey
<hr/>				
This tornado uprooted trees and snapped power poles. Based on this damage, maximum estimated wind in the tornado was 85 to 90 mph. It was observed by a trained storm spotter.				
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ROGERS COUNTY --- 0.7 NNE CATOOSA [36.19, -95.75]				
	05/22/19 18:19 CST		0	Hail (1.00 in)
	05/22/19 18:19 CST		0	Source: Public
<hr/>				
ROGERS COUNTY --- 0.4 NE CATOOSA [36.18, -95.75]				
	05/22/19 18:23 CST		5K	Hail (1.25 in)
	05/22/19 18:23 CST		0	Source: Public
<hr/>				
OTTAWA COUNTY --- 3.6 NW NORTH MIAMI [36.95, -94.93], 2.3 NNW CARDIN [37.00, -94.87]				
	05/22/19 18:25 CST		75K	Tornado (EF1, L: 4.50 mi , W: 1100 yd)
	05/22/19 18:34 CST		0	Source: NWS Storm Survey

This is the first segment of a two-segment tornado. In Ottawa County, this large tornado developed southwest of the E 40 Road and S 530 Road intersection. It moved northeast damaging a few homes, destroying outbuildings, snapping or uprooting trees, and snapping power poles. Based on this damage, maximum estimated wind in this segment of the tornado was 95 to 105 mph. This tornado was observed by multiple people, and it produced a radar-detected debris signature. The tornado continued into Cherokee County, Kansas.

WAGONER COUNTY --- 8.9 NE BROKEN ARROW [36.16, -95.69], 9.8 NE BROKEN ARROW [36.16, -95.67]

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/22/19 18:25 CST		0	Tornado (EFU, L: 1.00 mi , W: 75 yd)
	05/22/19 18:26 CST		0	Source: Trained Spotter

This is the first segment of a two-segment tornado. This tornado was reported by a trained storm spotter. It developed south of Highway 412 in northern Wagoner County, and moved east-northeast into southern Rogers County. There is no known damage from the tornado.

ROGERS COUNTY --- 4.5 ESE CATOOSA [36.16, -95.67], 4.5 SSE VERDIGRIS [36.17, -95.66]				
	05/22/19 18:26 CST		0	Tornado (EFU, L: 0.80 mi , W: 75 yd)
	05/22/19 18:27 CST		0	Source: Trained Spotter

This is the second segment of a two-segment tornado. This tornado was reported by a trained storm spotter. It developed south of Highway 412 in northern Wagoner County and moved east-northeast into southern Rogers County. There is no known damage from the tornado.

ROGERS COUNTY --- 3.0 E VERDIGRIS [36.23, -95.63]				
	05/22/19 18:28 CST		0	Hail (1.00 in)
	05/22/19 18:28 CST		0	Source: Amateur Radio

ROGERS COUNTY --- 1.0 NNW CLAREMORE [36.33, -95.61]				
	05/22/19 18:38 CST		0	Hail (0.75 in)
	05/22/19 18:38 CST		0	Source: Trained Spotter

ROGERS COUNTY --- 1.7 S TIAWAH [36.24, -95.57]				
	05/22/19 18:38 CST		0	Thunderstorm Wind (EG 52 kt)
	05/22/19 18:38 CST		0	Source: NWS Employee

Thunderstorm wind gusts were estimated to 60 mph by an NWS employee.

ROGERS COUNTY --- 1.7 S TIAWAH [36.24, -95.57]				
	05/22/19 18:38 CST		10K	Hail (1.50 in)
	05/22/19 18:38 CST		0	Source: NWS Employee

MAYES COUNTY --- 1.1 NNE PRYOR [36.31, -95.31], 1.7 SSW GREEN [36.36, -95.29]				
	05/22/19 19:09 CST		25K	Tornado (EF1, L: 3.10 mi , W: 650 yd)
	05/22/19 19:19 CST		0	Source: NWS Storm Survey

This tornado developed on the north side of Pryor and moved north-northeast, damaging outbuildings, uprooting trees, and snapping large tree limbs. It dissipated near the Rocklahoma grounds, and produced a radar-detected debris signature. Based on this damage, maximum estimated wind in the tornado was 90 to 100 mph.

OSAGE COUNTY --- 6.7 W HOMINY [36.42, -96.52]				
	05/22/19 19:28 CST		0	Tornado (EFU, L: 0.20 mi , W: 100 yd)
	05/22/19 19:28 CST		0	Source: Trained Spotter

Trained storm spotters reported a brief tornado over open country.

OSAGE COUNTY --- 4.9 W HOMINY [36.42, -96.49]				
	05/22/19 19:31 CST		0	Tornado (EFU, L: 0.20 mi , W: 75 yd)
	05/22/19 19:31 CST		0	Source: Trained Spotter

Trained storm spotters reported a brief tornado over open country.

MAYES COUNTY --- 3.5 NW LOCUST GROVE [36.24, -95.21]				
	05/22/19 19:44 CST		0	Tornado (EFU, L: 0.20 mi , W: 100 yd)
	05/22/19 19:44 CST		0	Source: Trained Spotter

Trained storm spotters reported a brief tornado. No known damage resulted from this tornado.

MAYES COUNTY --- 0.7 ESE BOATMAN [36.27, -95.17], 2.8 ENE SALINA [36.32, -95.11]				
	05/22/19 19:52 CST		0	Tornado (EF1, L: 5.30 mi , W: 400 yd)
	05/22/19 20:02 CST		0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>This tornado developed on the west side of Lake Hudson, and moved east-northeast across the lake south of Salina. It crossed Highway 82 and moved northeast uprooting trees, and snapping large tree limbs. The tornado dissipated near the E 483 Road, northeast of Salina. Based on the tree damage, maximum estimated wind in the tornado was 85 to 95 mph. Trained storm spotters observed this tornado.</p>				
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OSAGE COUNTY --- 3.3 SSW WYNONA [36.51, -96.36], 3.1 SSW WYNONA [36.51, -96.35], 3.9 SSW WYNONA [36.50, -96.36], 3.9 SSW WYNONA [36.50, -96.37]				
	05/22/19 20:14 CST		0	Flash Flood (due to Heavy Rain)
	05/23/19 00:00 CST		0	Source: Emergency Manager
<p>Portions of Highway 99 were flooded south of Wynona.</p>				
<hr/>				
OSAGE COUNTY --- 0.8 SE BARNSDALL [36.56, -96.16]				
	05/22/19 20:29 CST		0	Thunderstorm Wind (EG 65 kt)
	05/22/19 20:29 CST		0	Source: Trained Spotter
<p>Thunderstorm winds were estimated to 75 mph.</p>				
<hr/>				
DELAWARE COUNTY --- 1.1 NW JAY [36.43, -94.81], 6.2 E GROVE ARPT [36.61, -94.62]				
	05/22/19 20:34 CST		0.50M	Tornado (EF2, L: 16.50 mi , W: 1100 yd)
	05/22/19 21:07 CST		0	Source: NWS Storm Survey
<p>This is the first segment of a two-segment tornado. The tornado developed on the west side of Jay and moved northeast severely damaging two homes and snapping numerous trees and power poles near Highway 59. The tornado continued northeast, destroying two mobile homes and snapping trees and power poles near the intersection of the E 380 Road and S 630 Road. It then moved northeast across heavily wooded terrain, crossed the E 340 Road, and then the E 290 Road. Trees were uprooted, large tree limbs were snapped, power poles were blown down, and outbuildings were damaged by the tornado throughout this wide and lengthy portion of the path. Based on this damage, maximum estimated wind in this segment of the tornado was 110 to 120 mph. It was observed by multiple people and produced a radar-detected debris signature. The tornado continued into McDonald County, Missouri.</p>				
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WASHINGTON COUNTY --- 2.0 SE BARTLESVILLE [36.73, -95.97], 2.4 SE BARTLESVILLE [36.73, -95.97], 2.9 SE BARTLESVILLE [36.72, -95.96], 2.6 SE BARTLESVILLE [36.72, -95.97]				
	05/22/19 20:44 CST		0	Flash Flood (due to Heavy Rain)
	05/22/19 22:15 CST		0	Source: Public
<p>Roads were flooded and closed east and southeast of Bartlesville.</p>				
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OSAGE COUNTY --- 1.1 SSE HOMINY [36.41, -96.39], 1.8 SSE HOMINY ARPT [36.41, -96.37], 2.1 SSE HOMINY ARPT [36.40, -96.36], 1.4 SSE HOMINY [36.40, -96.39]				
	05/22/19 21:01 CST		0	Flash Flood (due to Heavy Rain)
	05/23/19 00:00 CST		0	Source: Emergency Manager
<p>Portions of Tee Pee Road from Eastern Avenue to Highway 20 were flooded and closed.</p>				
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PAWNEE COUNTY --- 1.0 SE CLEVELAND [36.31, -96.46]				
	05/22/19 22:10 CST		10K	Thunderstorm Wind (EG 65 kt)
	05/22/19 22:10 CST		0	Source: Public
<p>Strong thunderstorm wind uprooted and snapped trees, and blew off a portion of the roof of a home.</p>				
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ROGERS COUNTY --- 5.0 E OOLOGAH [36.45, -95.61]				
	05/22/19 22:36 CST		0	Hail (0.75 in)
	05/22/19 22:36 CST		0	Source: Public
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CRAIG COUNTY --- 0.4 ENE VINITA ARPT [36.62, -95.14]				
	05/22/19 23:38 CST		0	Thunderstorm Wind (EG 70 kt)
	05/22/19 23:38 CST		0	Source: NWS Storm Survey
<p>Strong thunderstorm wind uprooted trees and snapped large tree limbs.</p>				
<hr/>				
CRAIG COUNTY --- 0.9 N VINITA ARPT [36.63, -95.15]				
	05/22/19 23:38 CST		0	Thunderstorm Wind (EG 70 kt)
	05/22/19 23:38 CST		0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Strong thunderstorm wind uprooted trees and snapped large tree limbs.				
CRAIG COUNTY --- 4.0 SE VINITA [36.61, -95.10], 3.5 E VINITA ARPT [36.61, -95.09]				
	05/22/19 23:39 CST		5K	Tornado (EF0, L: 0.50 mi , W: 150 yd)
	05/22/19 23:40 CST		0	Source: Trained Spotter

This tornado was reported by a trained storm spotter. The tornado snapped large tree limbs and blew down power poles. Based on this damage, maximum estimated wind in the tornado was 80 to 85 mph.

CRAIG COUNTY --- 3.3 SSW TODD [36.63, -95.04]				
	05/22/19 23:45 CST		0	Thunderstorm Wind (EG 70 kt)
	05/22/19 23:45 CST		0	Source: NWS Storm Survey

Strong thunderstorm wind uprooted trees and snapped large tree limbs.

CRAIG COUNTY --- 5.4 S TODD [36.59, -95.04], 4.0 SSE TODD [36.61, -95.00]				
	05/22/19 23:48 CST		0	Tornado (EF1, L: 2.60 mi , W: 1100 yd)
	05/22/19 23:51 CST		0	Source: NWS Storm Survey

This is the first segment of a two-segment tornado. This large tornado developed east of Highway 82 and south of Highway 69/60, where trees were uprooted. It moved northeast into Delaware County at the E 280 Road, where trees were uprooted. Based on this damage, maximum estimated wind in this segment of the tornado was 90 to 100 mph.

DELAWARE COUNTY --- 2.9 NW CLEORA [36.61, -95.00], 3.1 N BERNICE [36.66, -94.91]				
	05/22/19 23:51 CST		0.10M	Tornado (EF1, L: 6.00 mi , W: 1100 yd)
	05/23/19 00:00 CST		0	Source: NWS Storm Survey

This is the second segment of a two-segment tornado. This large tornado moved into Delaware County near the E 280 Road, where trees were uprooted. It moved northeast snapping and uprooting numerous trees, snapping power poles, destroying outbuildings, and damaging homes until it dissipated on Grand Lake near the Ottawa County line. Based on this damage, maximum estimated wind in this segment of the tornado was 100 to 110 mph.

Severe thunderstorms developed over northeastern Oklahoma during the afternoon hours of the 22nd, ahead of a cold front that moved into the area. Very strong instability and wind shear in the air mass ahead of the cold front allowed for the development of supercell thunderstorms, which affected the area through late evening. These supercells produced twenty-one documented tornadoes, including a significant tornado, large hail up to baseball size, damaging wind gusts, and locally heavy rainfall that resulted in flash flooding across northeastern Oklahoma.

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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An EF-2 tornado destroyed several mobile homes, severely damaged permanent homes, and snapped or uprooted numerous trees in a wide and lengthy path from near Jay, Oklahoma to north of Southwest City, Missouri, on the evening of May 22, 2019. Photo by Ed Calianese, WCM, NWS Tulsa Oklahoma.

OKFUSKEE COUNTY --- 4.5 NW PADEN [35.55, -96.62], 3.7 N PADEN [35.55, -96.57]

05/25/19 22:55 CST	20K	Thunderstorm Wind (EG 70 kt)
05/25/19 22:57 CST	0	Source: NWS Storm Survey

Strong thunderstorm wind uprooted trees, snapped large tree limbs, blew down power poles, and damaged the roofs of several homes.

CREEK COUNTY --- 1.3 NNW BRISTOW [35.85, -96.39]

05/25/19 23:02 CST	0.10M	Thunderstorm Wind (EG 80 kt)
05/25/19 23:02 CST	0	Source: NWS Storm Survey

Strong thunderstorm wind severely damaged a business on the north side of town.

CREEK COUNTY --- 3.9 W BELLVUE [35.90, -96.45], 1.3 W BELLVUE [35.90, -96.40]

05/25/19 23:04 CST	40K	Tornado (EF1, L: 2.60 mi , W: 200 yd)
05/25/19 23:07 CST	0	Source: NWS Storm Survey

This tornado damaged the roofs of several homes, damaged outbuildings, uprooted trees, and blew down power poles. Based on this damage, maximum estimated wind in the tornado was 85 to 95 mph.

CREEK COUNTY --- 0.5 W BRISTOW [35.83, -96.39]

05/25/19 23:10 CST	0	Thunderstorm Wind (EG 52 kt)
05/25/19 23:10 CST	0	Source: Trained Spotter

Thunderstorm wind gusts were estimated to 60 mph.

CREEK COUNTY --- 4.0 E BELLVUE [35.91, -96.31], 3.1 W KIEFER [35.95, -96.13]

05/25/19 23:14 CST	0.25M	Tornado (EF1, L: 10.70 mi , W: 1000 yd)
05/25/19 23:24 CST	0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>This tornado developed southwest of Kellyville near the intersection of I-44 and Highway 66, and moved east passing south of Kellyville before turning toward the northeast and dissipating east of town. It snapped and uprooted numerous trees, and destroyed outbuildings. Based on this damage, maximum estimated wind in the tornado was 90 to 100 mph.</p>				
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CREEK COUNTY --- 5.0 SSW KELLYVILLE [35.89, -96.26]				
	05/25/19 23:16 CST		0	Thunderstorm Wind (EG 61 kt)
	05/25/19 23:16 CST		0	Source: NWS Storm Survey
<p>Strong thunderstorm wind snapped large tree limbs.</p>				
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CREEK COUNTY --- 2.6 N KELLYVILLE [35.99, -96.21], 1.5 NE HILTON [36.03, -96.03]				
	05/25/19 23:21 CST		0.75M	Tornado (EF1, L: 10.90 mi , W: 1400 yd)
	05/25/19 23:35 CST		0	Source: NWS Storm Survey
<p>This is the first segment of a two-segment tornado. This large tornado developed west of Sapulpa, west of the intersection of I-44 and Highway 33. It moved east along Highway 66, then across the northern portion of Sapulpa. It crossed Hickory Hill Road near the Creek Turnpike, and moved into Tulsa County near W 91st Street S. In Creek County, the tornado damaged homes and businesses, snapped and uprooted numerous trees, and blew down power poles. Based on this damage, maximum estimated wind in this segment of the tornado was 100 to 110 mph.</p>				
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TULSA COUNTY --- 5.8 ESE NEW MANNFORD [36.09, -96.26]				
	05/25/19 23:22 CST		15K	Thunderstorm Wind (EG 60 kt)
	05/25/19 23:22 CST		0	Source: Law Enforcement
<p>Strong thunderstorm wind damaged a barn near Dip Creek Road and Coyote Trail.</p>				
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CREEK COUNTY --- 1.9 WSW SAPULPA [35.99, -96.13], 1.5 SE HILTON [36.01, -96.03]				
	05/25/19 23:27 CST		0.80M	Tornado (EF1, L: 5.80 mi , W: 2200 yd)
	05/25/19 23:33 CST		0	Source: NWS Storm Survey
<p>This is the first segment of a two-segment tornado. This large tornado developed near the Sapulpa Golf Course and moved east across Sapulpa, roughly between E Taft Avenue and E Dewey Avenue. It crossed Hickory Hill Road and S 49th West Avenue south of the Creek Turnpike, and moved into Tulsa County near W 111th Street S. The tornado damaged the roofs of many homes, damaged businesses, snapped numerous power poles, and snapped or uprooted numerous trees. Based on this damage, maximum estimated wind in this segment of the tornado was 100 to 110 mph.</p>				
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ROGERS COUNTY --- 4.6 WSW OOLOGAH [36.42, -95.78]				
	05/25/19 23:33 CST		0	Thunderstorm Wind (EG 52 kt)
	05/25/19 23:33 CST		0	Source: Trained Spotter
<p>Thunderstorm wind gusts were estimated to 60 mph near the S 4060 Road and E 410 Road southwest of Oologah.</p>				
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TULSA COUNTY --- 3.2 WSW TULSA R L JONES ARPT [36.01, -96.03], 3.2 ESE JENKS [36.01, -95.91]				
	05/25/19 23:33 CST		0.25M	Tornado (EF1, L: 6.50 mi , W: 2200 yd)
	05/25/19 23:39 CST		0	Source: NWS Storm Survey
<p>This is the second segment of a two-segment tornado. This tornado moved into Tulsa County near W 111th Street S and moved east across Jenks. It crossed the Arkansas River and dissipated east of S Yale Avenue, north of E 111th Street S. The tornado damaged the roofs of numerous homes, snapped or uprooted many trees, and blew down numerous power poles. Based on this damage, maximum estimated wind in the tornado was 90 to 100 mph.</p>				
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TULSA COUNTY --- 2.7 N GLENPOOL [35.99, -96.01]				
	05/25/19 23:35 CST		0	Thunderstorm Wind (EG 70 kt)
	05/25/19 23:35 CST		0	Source: NWS Storm Survey
<p>Strong thunderstorm wind uprooted trees.</p>				
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TULSA COUNTY --- 2.8 W TULSA R L JONES ARPT [36.03, -96.03], 1.9 NW TULSA R L JONES ARPT [36.05, -96.01]				
	05/25/19 23:35 CST		10K	Tornado (EF1, L: 1.60 mi , W: 900 yd)
	05/25/19 23:38 CST		0	Source: NWS Storm Survey
<p>This is the second segment of a two-segment tornado. This tornado crossed into Tulsa County near W 91st Street S, where large tree limbs were snapped and power poles were blown down. It moved northeast dissipating near Highway 75 and W 81 Street S. Based on this damage, maximum estimated wind in this segment of the tornado was 90 to 100 mph.</p>				
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TULSA COUNTY --- 1.6 WNW WEST TULSA [36.16, -96.05]				

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/25/19 23:40 CST		0	Hail (1.00 in)
	05/25/19 23:40 CST		0	Source: Emergency Manager
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TULSA COUNTY --- 2.0 SE BROKEN ARROW ARPK [36.03, -95.84]				
	05/25/19 23:40 CST		0	Thunderstorm Wind (EG 70 kt)
	05/25/19 23:40 CST		0	Source: Broadcast Media
Strong thunderstorm wind uprooted and snapped large trees along E 91st Street S, between S Garnett Road and S 129th E Avenue.				
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TULSA COUNTY --- 1.9 W BROKEN ARROW ARPK [36.05, -95.90]				
	05/25/19 23:42 CST		2K	Thunderstorm Wind (EG 56 kt)
	05/25/19 23:42 CST		0	Source: Public
Strong thunderstorm wind blew shingles from the roof of a house at E 81st Street S and S Sheridan Road.				
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TULSA COUNTY --- 1.0 S BROKEN ARROW ARPK [36.04, -95.87]				
	05/25/19 23:43 CST		0	Thunderstorm Wind (EG 61 kt)
	05/25/19 23:43 CST		0	Source: Broadcast Media
Strong thunderstorm wind blew down trees across S Mingo Road near E 88th Street S.				
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TULSA COUNTY --- 1.3 S BROKEN ARROW ARPK [36.03, -95.87], 1.7 WSW BROKEN ARROW [36.04, -95.81]				
	05/25/19 23:44 CST		15K	Thunderstorm Wind (EG 70 kt)
	05/25/19 23:47 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind snapped large tree limbs, and blew down a large electrical transmission pole in a broad swath from S Mingo Road to S 161st East Avenue.				
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TULSA COUNTY --- 1.0 NNE BROKEN ARROW [36.06, -95.77]				
	05/25/19 23:48 CST		2K	Thunderstorm Wind (EG 56 kt)
	05/25/19 23:48 CST		0	Source: Public
Strong thunderstorm wind blew shingles from the roof of a home and snapped large tree limbs.				
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TULSA COUNTY --- 1.3 N BROKEN ARROW [36.07, -95.78], 1.7 NE BROKEN ARROW [36.07, -95.76]				
	05/25/19 23:51 CST		0.10M	Tornado (EF0, L: 0.90 mi , W: 400 yd)
	05/25/19 23:53 CST		0	Source: NWS Storm Survey
This is the first segment of a two-segment tornado. This tornado developed near Lynn Lane, north of the Broken Arrow Expressway. It moved east across several neighborhoods, where the roofs of homes were damaged and large tree limbs were snapped. It moved across the southern portion of the Broken Arrow High School facilities, where the baseball field was damaged. Based on this damage, maximum estimated wind in this segment of the tornado was 75 to 80 mph. The tornado continued into Wagoner County.				
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WAGONER COUNTY --- 1.7 NE BROKEN ARROW [36.07, -95.76], 2.4 NE BROKEN ARROW [36.07, -95.75]				
	05/25/19 23:53 CST		75K	Tornado (EF0, L: 0.90 mi , W: 400 yd)
	05/25/19 23:54 CST		0	Source: NWS Storm Survey
This is the second segment of a two-segment tornado. This tornado moved into Wagoner County just south of E Albany Street where the roofs of homes were damaged and large tree limbs were snapped. It moved east and dissipated before reaching S 209th East Avenue. Based on this damage, maximum estimated wind in this segment of the tornado was 75 to 80 mph.				
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WAGONER COUNTY --- 3.0 NE ONETA [36.05, -95.68]				
	05/25/19 23:54 CST		0	Thunderstorm Wind (EG 52 kt)
	05/25/19 23:54 CST		0	Source: Public
Strong thunderstorm wind snapped large tree limbs.				
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WAGONER COUNTY --- 3.1 NNE ONETA [36.06, -95.71]				
	05/25/19 23:56 CST		0	Thunderstorm Wind (EG 61 kt)
	05/25/19 23:56 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind snapped large tree limbs.				

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ROGERS COUNTY --- 5.7 W INOLA [36.14, -95.60], 3.8 WNW INOLA [36.18, -95.56]				
	05/26/19 00:05 CST		0	Thunderstorm Wind (EG 70 kt)
	05/26/19 00:09 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind uprooted several trees and snapped large tree limbs in a broad swath from near the 4160 Road to north of Highway 412.				
MUSKOGEE COUNTY --- 1.0 NNW COUNCIL HILL [35.56, -95.65]				
	05/26/19 00:14 CST		0	Thunderstorm Wind (EG 61 kt)
	05/26/19 00:14 CST		0	Source: Trained Spotter
Thunderstorm wind gusts were estimated to 70 mph just north of Council Hill on Highway 72.				
MCINTOSH COUNTY --- 5.2 W RENTIESVILLE [35.53, -95.59]				
	05/26/19 00:15 CST		0	Tornado (EF0, L: 0.20 mi , W: 75 yd)
	05/26/19 00:15 CST		0	Source: Trained Spotter
This brief tornado was reported by a trained storm spotter. It snapped large tree limbs. Based on this damage, maximum estimated wind in the tornado was 70 to 75 mph.				
MAYES COUNTY --- 4.2 WSW CHOUTEAU [36.16, -95.42]				
	05/26/19 00:17 CST		0	Thunderstorm Wind (EG 65 kt)
	05/26/19 00:17 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down trees on S 426 Road and W 590 Road.				
ROGERS COUNTY --- 1.3 WSW INOLA ARPT [36.14, -95.45]				
	05/26/19 00:20 CST		0	Thunderstorm Wind (MG 52 kt)
	05/26/19 00:20 CST		0	Source: Mesonet
The Oklahoma Mesonet station near Inola measured 60 mph thunderstorm wind gusts.				
MAYES COUNTY --- 3.4 E SALINA [36.30, -95.09], 5.4 N ROSE [36.30, -95.03]				
	05/26/19 00:44 CST		0	Tornado (EF0, L: 3.20 mi , W: 300 yd)
	05/26/19 00:47 CST		0	Source: NWS Storm Survey
This tornado developed west of NE 490 Drive, to the north of Kenwood Road. It moved east, crossed Kenwood Road, and dissipated east of the S 447 Road. The tornado uprooted trees and snapped large tree limbs. Based on this damage, maximum estimated wind in the tornado was 80 to 85 mph.				
Severe thunderstorms developed over West Texas during the late afternoon of the 25th, ahead of a dry line. These storms evolved into a line of thunderstorms that moved across Oklahoma during the evening, reaching eastern Oklahoma by late evening. Very strong low level wind shear in the air mass over eastern Oklahoma ahead of the line of thunderstorms allowed for the development of multiple tornadoes along the leading edge of the storms. Damaging wind gusts and large hail up to quarter size also occurred across northeastern Oklahoma with these thunderstorms.				
LE FLORE COUNTY --- 0.8 ENE ARKOMA [35.36, -94.44]				
	05/29/19 01:30 CST		2K	Thunderstorm Wind (EG 56 kt)
	05/29/19 01:30 CST		0	Source: Emergency Manager
Strong thunderstorm wind snapped large tree limbs and blew down power lines.				
OKMULGEE COUNTY --- 0.9 ESE OKMULGEE [35.63, -95.95]				
	05/29/19 07:51 CST		0	Hail (0.88 in)
	05/29/19 07:51 CST		0	Source: Emergency Manager
TULSA COUNTY --- 3.0 SW BIXBY [35.92, -95.92]				
	05/29/19 08:25 CST		2K	Thunderstorm Wind (EG 56 kt)
	05/29/19 08:25 CST		0	Source: Public
Strong thunderstorm wind blew shingles from roofs of homes and snapped large tree limbs.				
MUSKOGEE COUNTY --- 0.2 W HASKELL [35.82, -95.67]				

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/29/19 08:36 CST		5K	Thunderstorm Wind (EG 61 kt)
	05/29/19 08:36 CST		0	Source: Emergency Manager
Strong thunderstorm wind damaged a barn.				
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CHEROKEE COUNTY --- TAHLEQUAH [35.92, -94.97]				
	05/29/19 09:43 CST		0	Thunderstorm Wind (MG 52 kt)
	05/29/19 09:43 CST		0	Source: Emergency Manager
The Deputy Director of Emergency Management measured thunderstorm wind gusts to 60 mph in the City of Tahlequah.				
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CHEROKEE COUNTY --- 1.0 E TAHLEQUAH [35.92, -94.95]				
	05/29/19 09:46 CST		0	Hail (0.75 in)
	05/29/19 09:46 CST		0	Source: Law Enforcement
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OKMULGEE COUNTY --- 1.3 WNW OKMULGEE [35.64, -95.99], 1.4 ENE OKMULGEE [35.64, -95.95], 1.8 SE OKMULGEE [35.61, -95.95], 1.2 SW OKMULGEE [35.62, -95.98]				
	05/29/19 11:02 CST		0	Flash Flood (due to Heavy Rain)
	05/29/19 14:45 CST		0	Source: Trained Spotter
A number of roads were flooded and closed in and around town.				
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TULSA COUNTY --- 1.4 E WEST TULSA [36.15, -96.00], 1.6 E WEST TULSA [36.15, -95.99], 1.6 E WEST TULSA [36.15, -95.99], 1.4 E WEST TULSA [36.15, -96.00]				
	05/29/19 11:17 CST		0	Flash Flood (due to Heavy Rain)
	05/29/19 15:15 CST		0	Source: Emergency Manager
Streets were flooded and closed in the 4300 to 4500 blocks of W 5th Street.				
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TULSA COUNTY --- 1.1 E GARDEN CITY [36.13, -96.00], 1.3 E GARDEN CITY [36.13, -96.00], 1.3 E GARDEN CITY [36.13, -96.00], 1.1 E GARDEN CITY [36.13, -96.00]				
	05/29/19 14:00 CST		50K	Flash Flood (due to Heavy Rain)
	05/29/19 15:15 CST		0	Source: Emergency Manager
Flood water reached buildings at W 23rd Street and S Jackson Avenue.				
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TULSA COUNTY --- 2.1 ESE GARDEN CITY [36.12, -95.99], 2.2 ESE GARDEN CITY [36.12, -95.98], 2.1 ESE GARDEN CITY [36.12, -95.98], 2.0 ESE GARDEN CITY [36.12, -95.99]				
	05/29/19 14:00 CST		0.15M	Flash Flood (due to Heavy Rain)
	05/29/19 15:15 CST		0	Source: Emergency Manager
Flood water several feet deep entered homes near E 30th Street and S Boston Place.				
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TULSA COUNTY --- 1.3 N LAKE STATION [36.14, -96.08], 1.5 NW BRUNER [36.14, -96.07], 1.4 N BERRY HILL [36.14, -96.07], 1.0 N LAKE STATION [36.13, -96.08]				
	05/29/19 14:41 CST		0.10M	Flash Flood (due to Heavy Rain)
	05/29/19 15:15 CST		0	Source: Emergency Manager
Homes were evacuated due to flooding near S 81st West Avenue and W 17th Street.				
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TULSA COUNTY --- 2.5 ESE BOZARTH [36.07, -95.98], 2.6 ESE BOZARTH [36.07, -95.98], 2.3 ESE BOZARTH [36.07, -95.98], 2.2 ESE BOZARTH [36.07, -95.98]				
	05/29/19 15:07 CST		0	Flash Flood (due to Heavy Rain)
	05/29/19 19:15 CST		0	Source: Emergency Manager
Streets were flooded and barricaded near E 64th Street and S Newport Ave.				
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TULSA COUNTY --- 2.2 ESE GARDEN CITY [36.12, -95.98], 2.1 ESE GARDEN CITY [36.12, -95.98], 2.0 ESE GARDEN CITY [36.12, -95.99], 2.1 ESE GARDEN CITY [36.12, -95.99]				
	05/29/19 15:15 CST		0	Flash Flood (due to Heavy Rain)
	05/29/19 19:15 CST		0	Source: Drought Monitor

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Streets were flooded and barricaded near E 31st Street S and S Boston Place.

Strong to severe thunderstorms developed over central Oklahoma during the evening hours of the 28th, ahead of a cold front that pushed into the area from the west. These storms moved east across eastern Oklahoma during the early morning hours of the 29th. The strongest storms produced damaging wind gusts as they quickly moved through the area. Additional storms developed across eastern Oklahoma during the morning of the 29th, along and ahead of the cold front as an upper level disturbance moved into the region. These storms produced damaging wind, large hail up to quarter size, and some flash flooding.