Storm Data and Unusual Weather Phenomena - September 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ARKANSAS, Northwest				
VASHINGTON COUNTY FAYETTEVILLE [36 07 -94 171 2 2 W FAYETTEN	/II I F [36 08 -94 2	11 2 6 SW JOHNS	ON [36.10 -94.20] 1.4 NNW FFAY
36.10, -94.16]	30.07, -34.17], 2.2 W FAILITE	71LLL [30.00, -34.2	1], 2.0 000 0011140	ON [30.10, -34.20], 1.4 NAW EI AT
	09/24/19 09:00 CST		0	Flash Flood (due to Heavy Rain)
	09/24/19 13:15 CST		0	Source: Emergency Manager
everal city trails were flooded in Fayetteville,	resulting in at least two water re	scues.		
ENTON COUNTY 0.5 NNW HEALING SP	GS [36.26, -94.28], 0.9 WSW HEA	ALING SPGS [36.2	5, -94.30], 1.2 ESE	HEALING SPGS [36.24, -94.26], 1.3
NE HEALING SPGS [36.26, -94.26]	09/24/19 10:00 CST		0	Flash Flood (due to Heavy Rain)
	09/24/19 13:15 CST		0	Source: Emergency Manager
ortions of several roads were flooded east of	· Hiahfill.			
nowers and thunderstorms developed acroe 24th, as warm and moist air was drawn u oduced heavy rainfall repeatedly across the	up over a warm front that stretc ne same areas, resulting in flasi	hed through the r	egion. Slow-movir	ng thunderstorms vestern Arkansas.
BENTON COUNTY 0.9 WNW BELLA VISTA VISTA [36.40, -94.23]	A [36.43, -94.25], 1.0 NE BELLA	VISTA [36.44, -94.	22], 1.2 ESE BELL	.A VISTA [36.43, -94.21], 1.8 S BELLA
• •	09/26/19 00:56 CST		0	Flash Flood (due to Heavy Rain)
	09/26/19 02:00 CST		0	Source: Trained Spotter
Thunderstorms developed across northeast across the region into the early morning hou	Oklahoma and far northwest Aurs of the 26th. The thunderstor	rkansas during th	-	
Thunderstorms developed across northeast across the region into the early morning house tepeatedly across the same areas, which res	Oklahoma and far northwest Aurs of the 26th. The thunderstor	rkansas during th	-	
Thunderstorms developed across northeast across the region into the early morning hou repeatedly across the same areas, which res	Oklahoma and far northwest A urs of the 26th. The thunderstor sulted in some flash flooding.	rkansas during th	-	
Thunderstorms developed across northeast across the region into the early morning housepeatedly across the same areas, which res	Oklahoma and far northwest A urs of the 26th. The thunderstor sulted in some flash flooding.	rkansas during th	-	
Thunderstorms developed across northeast across the region into the early morning housepeatedly across the same areas, which res	Oklahoma and far northwest A urs of the 26th. The thunderstor sulted in some flash flooding.	rkansas during th	and produced loc	ally heavy rainfall
Thunderstorms developed across northeast across the region into the early morning house repeatedly across the same areas, which resources the same areas, whic	Oklahoma and far northwest Aurs of the 26th. The thunderstor sulted in some flash flooding. -96.80] 09/12/19 17:12 CST 09/12/19 17:12 CST	rkansas during th	and produced loc	Thunderstorm Wind (EG 52 kt)
Thunderstorms developed across northeast across the region into the early morning hour repeatedly across the same areas, which resources the same areas, which	Oklahoma and far northwest Aurs of the 26th. The thunderstor sulted in some flash flooding. -96.80] 09/12/19 17:12 CST 09/12/19 17:12 CST mated north of Pawnee.	rkansas during th	and produced loc	Thunderstorm Wind (EG 52 kt)
Thunderstorms developed across northeast across the region into the early morning house pepeatedly across the same areas, which respectedly across the same areas.	Oklahoma and far northwest Aurs of the 26th. The thunderstor sulted in some flash flooding. -96.80] 09/12/19 17:12 CST 09/12/19 17:12 CST mated north of Pawnee.	rkansas during th	and produced loc	Thunderstorm Wind (EG 52 kt)
Thunderstorms developed across northeast across the region into the early morning house peatedly across the same areas, which respectedly across the same areas.	Oklahoma and far northwest Aurs of the 26th. The thunderstor sulted in some flash flooding. -96.80] 09/12/19 17:12 CST 09/12/19 17:12 CST mated north of Pawnee.	rkansas during th	and produced loc	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter
Thunderstorms developed across northeast across the region into the early morning house pepaatedly across the same areas, which respectedly across the same areas.	-96.80] 09/12/19 17:12 CST 09/12/19 17:33 CST 09/12/19 17:33 CST	rkansas during th	and produced loc	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 65 kt)
Thunderstorms developed across northeast across the region into the early morning house peatedly across the same areas, which research across the region into the early morning house peatedly across the same areas, which research across the same areas, which research across the same areas, which research across the region across the re	-96.80] 09/12/19 17:12 CST 09/12/19 17:12 CST mated north of Pawnee. -96.57] 09/12/19 17:33 CST 09/12/19 17:33 CST	rkansas during th	and produced loc	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 65 kt)
Thunderstorms developed across northeast across the region into the early morning house peatedly across the same areas, which resonant peatedly across the same areas.	-96.80] 09/12/19 17:12 CST 09/12/19 17:12 CST mated north of Pawnee. -96.57] 09/12/19 17:33 CST 09/12/19 17:33 CST	rkansas during th	and produced loc	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 65 kt)
Thunderstorms developed across northeast across the region into the early morning house peatedly across the same areas, which resonant peatedly across the same areas.	-96.80] 09/12/19 17:12 CST 09/12/19 17:12 CST mated north of Pawnee. -96.57] 09/12/19 17:33 CST 09/12/19 17:33 CST	rkansas during th	and produced loc	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 65 kt) Source: Trained Spotter
Thunderstorms developed across northeast across the region into the early morning house epeatedly across the same areas, which respectedly across the same areas.	-96.80] 09/12/19 17:12 CST 09/12/19 17:12 CST 09/12/19 17:13 CST 09/12/19 17:33 CST 09/12/19 17:35 CST 09/12/19 17:35 CST	rkansas during th	and produced local and produced	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 65 kt) Source: Trained Spotter
Thunderstorms developed across northeast across the region into the early morning hou repeatedly across the same areas, which resources the region into the early morning hou repeatedly across the same areas, which resources the same areas, which resource	Oklahoma and far northwest Aurs of the 26th. The thunderstor sulted in some flash flooding. -96.80] 09/12/19 17:12 CST 09/12/19 17:12 CST mated north of Pawnee. -96.57] 09/12/19 17:33 CST 09/12/19 17:33 CST ree north of Hallett. 96.39] 09/12/19 17:35 CST 09/12/19 17:35 CST cree and snapped numerous larger oklahoma during the late after	e tree limbs.	and produced local and produced	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 65 kt) Source: Trained Spotter Thunderstorm Wind (EG 65 kt) Source: Emergency Manager
Portions of several roads in Bella Vista and not Thunderstorms developed across northeast across the region into the early morning hourepeatedly across the same areas, which resemble of the same areas, which re	Oklahoma and far northwest Aurs of the 26th. The thunderstor sulted in some flash flooding. -96.80] 09/12/19 17:12 CST 09/12/19 17:12 CST mated north of Pawnee. -96.57] 09/12/19 17:33 CST 09/12/19 17:33 CST ree north of Hallett. 96.39] 09/12/19 17:35 CST 09/12/19 17:35 CST cree and snapped numerous larger oklahoma during the late after	e tree limbs.	and produced local and produced	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 65 kt) Source: Trained Spotter Thunderstorm Wind (EG 65 kt) Source: Emergency Manager
Thunderstorms developed across northeast across the region into the early morning house repeatedly across the same areas, which respectedly across the same areas.	Oklahoma and far northwest Aurs of the 26th. The thunderstor sulted in some flash flooding. -96.80] 09/12/19 17:12 CST 09/12/19 17:12 CST mated north of Pawnee. -96.57] 09/12/19 17:33 CST 09/12/19 17:33 CST ree north of Hallett. 96.39] 09/12/19 17:35 CST 09/12/19 17:35 CST cree and snapped numerous larger oklahoma during the late after	e tree limbs.	and produced local and produced	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (EG 65 kt) Source: Trained Spotter Thunderstorm Wind (EG 65 kt) Source: Emergency Manager

Hot temperatures and drying fuels promoted the rapid spread of several large wildfires in southeastern Oklahoma during this middle of September. Wildfires burned over 1800 acres in Pushmataha County from the 15th through the 18th.

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Storm Data and Unusual Weather Phenomena - September 2019

Event Type and Details Location Date/Time Deaths & Property & Injuries Crop Dmg OTTAWA COUNTY --- 11.3 WNW NORTH MIAMI [36.98, -95.07], 3.6 WSW MIAMI [36.86, -94.94], 3.5 SW OTTAWA [36.82, -94.85], 1.7 W OGEECHEE [36.77, -94.83], 2.4 NNW WYANDOTTE [36.83, -94.75], 2.9 WSW NORTH MIAMI [36.91, -94.93], 8.7 NW NORTH MIAMI [36.99, -95.01] 09/23/19 08:15 CST Flood (due to Heavy Rain) Source: Official NWS Observations 09/25/19 06:30 CST The Neosho River near Commerce rose above its flood stage of 15 feet at 9:15 am CDT on September 23rd. The river crested at 18.37 feet at 3:30 pm CDT on the 24th, resulting in moderate flooding. Low lying areas around Miami were flooded, including Riverview Park, and Highway 125 near the Fairgrounds was flooded. The river fell below flood stage at 7:30 am CDT on the 25th. Several rounds of thunderstorms affected southeastern Kansas and northeastern Oklahoma during the third week of September. Total rainfall amounts for the area from September 21st through the 23rd reached as much as four to eight inches. This heavy rainfall resulted in moderate flooding of the Neosho River near Commerce. TULSA COUNTY --- 2.0 W ALSUMA [36.10, -95.91], 1.9 W ALSUMA [36.10, -95.90], 1.9 W ALSUMA [36.10, -95.90], 2.0 W ALSUMA [36.10, -95.91] 09/24/19 06:21 CST 10K Flash Flood (due to Heavy Rain) 09/24/19 08:45 CST Source: Broadcast Media 0 Two cars were stranded in high water at E 43rd Street and S Sheridan Road. TULSA COUNTY --- 2.2 SSW TUL DOWNTOWN ARPK [36.19, -96.03], 0.7 WNW GARNETT [36.17, -95.84], 3.0 SSE BROKEN ARROW ARPK [36.01, -95.86], 4.5 SSW OAKHURST [36.02, -96.11] 09/24/19 07:00 CST 25K Flash Flood (due to Heavy Rain) 09/24/19 08:45 CST 0 Source: Broadcast Media Numerous roads were flooded across Tulsa. Several water rescues occurred as vehicles were stranded in flood water. NOWATA COUNTY --- 5.6 W WATOVA [36.63, -95.75], 4.0 NNE GLENOAK [36.78, -95.76], 0.6 NW CHILDERS [36.78, -95.58], 1.9 NW OOLOGAH LAKE NORTH [36.64, -95.59] 09/24/19 07:15 CST 10K Flash Flood (due to Heavy Rain) 09/24/19 09:30 CST 0 Source: Emergency Manager Portions of numerous roads were flooded from the Nowata/Rogers County line north to Delaware. Several water rescues occurred on Highway 169. TULSA COUNTY --- 1.6 NW TULSA R L JONES ARPT [36.05, -96.00], 1.4 NNW TULSA R L JONES ARPT [36.05, -95.99], 1.2 NNW TULSA R L JONES ARPT [36.05, -95.99], 1.4 NW TULSA R L JONES ARPT [36.05, -96.00] 20K 09/24/19 08:20 CST Flash Flood (due to Heavy Rain) Source: Fire Department/Rescue 09/24/19 08:45 CST n The Tulsa Fire Department reported that four cars were stranded in flood water just west of the intersection of W 81st Street S and S Elwood Avenue. MUSKOGEE COUNTY --- 0.6 SW WEST MUSKOGEE [35.72, -95.43], 1.7 WSW SHOPTON [35.72, -95.38], 1.7 N MUSKOGEE DAVIS ARPT [35.69, -95.37], 1.6 N MEYER [35.69, -95.43] 09/24/19 08:46 CST 0 Flash Flood (due to Heavy Rain) 09/24/19 11:00 CST Source: Broadcast Media Portions of several roads on the south side of Muskogee were flooded. CRAIG COUNTY --- WHITE OAK [36.62, -95.27], 0.2 SSE WHITE OAK [36.62, -95.27], 0.5 E WHITE OAK [36.62, -95.26], 0.4 ENE WHITE OAK [36.62, -95.26] 09/24/19 10:00 CST 0 Flash Flood (due to Heavy Rain) 09/24/19 12:00 CST 0 Source: Emergency Manager Portions of several roads around White Oak were flooded. ADAIR COUNTY --- 1.2 N WATTS [36.14, -94.57], 0.5 NNW WATTS [36.13, -94.57], 0.5 N WATTS [36.13, -94.57], 1.1 N WATTS [36.14, -94.57]

09/24/19 12:30 CST 0 Flash Flood (due to Heavy Rain)

0 09/24/19 15:00 CST Source: Emergency Manager

Portions of Highway 59 north of Watts were closed due to flooding.

Showers and thunderstorms developed across northeastern Oklahoma during the early morning hours of the 24th, as warm and moist air was drawn up over a warm front that stretched through the region. Slow-moving thunderstorms produced heavy rainfall repeatedly across the same areas, resulting in flash flooding across portions of northeastern Oklahoma.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OTTAWA COUNTY 3.0 ENE MIAMI [3	6.90, -94.83]			
	09/25/19 21:15 CST		10K	Hail (1.25 in)
	09/25/19 21:15 CST		0	Source: Social Media
NOWATA COUNTY 0.6 NE LENAPAH -95.62]	I [36.86, -95.62], 4.0 E LENAPAH [36.	86, -95.56], 4.1 E I	LENAPAH [36.84, -	95.56], 0.9 SE LENAPAH [36.84,
-55.621	09/25/19 22:59 CST		0	Flash Flood (due to Heavy Rain)
	09/26/19 03:00 CST		0	Source: Emergency Manager
Highway 10 was closed east of Lenapah	due to flooding.			
TULSA COUNTY 2.2 SE TULSA [36.1	3, -95.92]			
	09/26/19 00:15 CST		0	Thunderstorm Wind (EG 61 kt)
	09/26/19 00:15 CST		0	Source: Broadcast Media
Strong thunderstorm wind blew down a la	arge tree in south Tulsa.			
TULSA COUNTY 2.0 N BROKEN ARF	ROW [36.08, -95.78], 2.0 N BROKEN A	ARROW [36.08, -9	5.78], 1.9 N BROKI	EN ARROW [36.08, -95.78], 1.9 N
BROKEN ARROW [36.08, -95.78]	00/00/40 00 00 007		0	Floris Florid (Inc. 1, 11, 11, 11, 11, 11, 11, 11, 11, 11,
	09/26/19 00:29 CST		0	Flash Flood (due to Heavy Rain)
	09/26/19 03:00 CST		0	Source: Public
Portions of several roads were flooded in	north Broken Arrow.			
PAWNEE COUNTY 1.0 S PAWNEE [3		-96.80], 0.3 W PA\	WNEE [36.33, -96.8	
	09/26/19 07:30 CST		0	Flash Flood (due to Heavy Rain)
	09/26/19 12:15 CST		0	Source: County Official
Portions of several roads were closed so	uth of Pawnee due to flooding.			
PITTSBURG COUNTY SCIPIO [35.05		, 1.8 SE SCIPIO [3	5.04, -95.94], 1.1 S	
	09/26/19 10:26 CST		0	Flash Flood (due to Heavy Rain)
	09/26/19 12:30 CST		0	Source: Public
Portions of several roads in and around \$	Scipio were flooded.			

Thunderstorms developed across northeast Oklahoma during the late evening of the 25th, and continued across the region into the early morning hours of the 26th. The strongest thunderstorms produced large hail up to half dollar size and damaging wind. Additionally, the thunderstorms moved slowly and produced locally heavy rainfall repeatedly across the same areas, which resulted in some flash flooding.

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