

Storm Data and Unusual Weather Phenomena - August 2007

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

CRAWFORD (AR-Z019), FRANKLIN (AR-Z020), SEBASTIAN (AR-Z029)

08/07/07 08:00 CST	0	Excessive Heat
08/12/07 22:00 CST	0	

A strong ridge of high pressure developed over the south central United States early in the month. Few clouds under this ridge resulted in abundant sunshine and hot temperatures. The humidity was also high as a result of the spring rains that continued well into the summer. The combination of hot temperatures and high humidity resulted in daytime heat index values around 105 degrees across west central Arkansas. Overnight temperatures fell to around 75 degrees, which didn't allow much relief from the heat at night.

OKLAHOMA, Eastern

LE FLORE (OK-Z076)

08/02/07 09:00 CST	1	0	Heat
08/02/07 21:00 CST		0	

A 47 year old railroad worker collapsed of heat exhaustion after working all day in the summer heat. Temperatures were in the upper 90s and heat indices were around 103. The man died shortly after being transported to a hospital.

Direct Fatalities: M47OU

OSAGE (OK-Z054), WASHINGTON (OK-Z055), NOWATA (OK-Z056), CRAIG (OK-Z057), OTTAWA (OK-Z058), PAWNEE (OK-Z059), TULSA (OK-Z060), ROGERS (OK-Z061), MAYES (OK-Z062), DELAWARE (OK-Z063), CREEK (OK-Z064), OKFUSKEE (OK-Z065), OKMULGEE (OK-Z066), WAGONER (OK-Z067), CHEROKEE (OK-Z068), ADAIR (OK-Z069), MUSKOGEE (OK-Z070), MCINTOSH (OK-Z071), SEQUOYAH (OK-Z072), HASKELL (OK-Z074), LE FLORE (OK-Z076)

08/06/07 08:00 CST	2	0	Excessive Heat
08/12/07 22:00 CST	200	0	

A strong ridge of high pressure developed over the south central United States early in the month. Few clouds under this ridge resulted in abundant sunshine and hot temperatures. The humidity was also high as a result of the spring rains that continued well into the summer. The combination of hot temperatures and high humidity resulted in daytime heat index values from 105 to 113 degrees across much of eastern Oklahoma. Overnight temperatures remained above 75 degrees, which didn't allow much relief from the heat.

Two men died in Tulsa as a direct result of the heat. Two hundred other people were treated by EMS in Tulsa for heat related illnesses. Many of those victims were in attendance at the PGA Championship.

Direct Fatalities: M65PS, M72OU

OKFUSKEE COUNTY

OKEMAH	08/19/07 13:10 CST	0.25M	Flash Flood (due to Heavy Rain)
	08/19/07 15:15 CST	0	35.43N, 96.3W

Heavy rain caused severe flooding in and around Okemah. Six people were evacuated from homes isolated by high water. Four homes had water in them. Water was up to five feet deep on some roads. Approximately fifteen roads had to be closed due to high water. Rural roads were severely damaged.

OKMULGEE COUNTY

4.0 N HENRYETTA	08/19/07 14:40 CST	10K	Flash Flood (due to Heavy Rain)
	08/19/07 17:40 CST	0	35.5078N, 95.98W

Heavy rain caused Highway 75 to be flooded north of Henryetta. The flooding caused several cars to be stranded.

OKMULGEE COUNTY

OKMULGEE	08/19/07 15:45 CST	0.40M	Flash Flood (due to Heavy Rain)
	08/19/07 19:45 CST	0	35.63N, 95.97W

Very heavy rainfall caused severe flooding of roads in and around Okmulgee. Highway 75 was closed in places for several hours. Rural roads were also flooded. In addition, 20 to 30 homes sustained flood damage as well as several businesses. County officials received 200 calls for assistance from stranded motorists and from people isolated by high water in their homes.

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MCINTOSH COUNTY				
HITCHITA	08/19/07 16:35 CST		0	Flash Flood (due to Heavy Rain)
	08/19/07 18:45 CST		0	35.53N, 95.75W
Heavy rains caused rural roads near Hitchita to be flooded. Street flooding was also reported in the city of Hitchita.				
MCINTOSH COUNTY				
10.0 E CHECOTAH	08/19/07 18:10 CST		25K	Thunderstorm Wind (EG 70 kt)
	08/19/07 18:10 CST		0	35.43N, 95.3426W
Thunderstorm winds estimated at 80 miles an hour blew a tractor trailer off Interstate 40.				
MUSKOGEE COUNTY				
OKTAHA	08/19/07 18:45 CST		0	Flash Flood (due to Heavy Rain)
	08/19/07 21:45 CST		0	35.58N, 95.48W
Heavy rains caused numerous roads to be flooded in and around Oktaha.				
MUSKOGEE COUNTY				
WAINWRIGHT	08/19/07 18:45 CST		0	Flash Flood (due to Heavy Rain)
	08/19/07 21:45 CST		0	35.62N, 95.57W
Heavy rains caused numerous roads to be flooded in and around Wainwright.				
MUSKOGEE COUNTY				
WARNER	08/19/07 18:45 CST		0	Flash Flood (due to Heavy Rain)
	08/19/07 21:45 CST		0	35.5N, 95.3W
Heavy rains caused numerous roads to be flooded in and around Warner.				
Localized very heavy rain caused significant flash flooding across parts of eastern Oklahoma.				
CREEK COUNTY				
MOUNDS	08/24/07 16:30 CST		0	Flash Flood (due to Heavy Rain)
	08/24/07 17:30 CST		0	35.87N, 96.07W
Heavy rain caused significant street flooding.				
TULSA COUNTY				
BIXBY	08/24/07 16:45 CST		0	Flash Flood (due to Heavy Rain)
	08/24/07 18:00 CST		0	35.95N, 95.88W
Heavy rain caused significant street flooding.				
OKMULGEE COUNTY				
6.0 W HECTOR	08/24/07 16:50 CST		0	Flash Flood (due to Heavy Rain)
	08/24/07 17:45 CST		0	35.83N, 96.027W
Heavy rain caused water to flow over Highway 75.				
WAGONER COUNTY				
COWETA	08/24/07 17:00 CST		0	Flash Flood (due to Heavy Rain)
	08/24/07 18:00 CST		0	35.95N, 95.65W
Heavy rain caused significant street flooding.				
MAYES COUNTY				
PRYOR	08/24/07 17:15 CST		0	Flash Flood (due to Heavy Rain)
	08/24/07 18:15 CST		0	36.3N, 95.32W
Heavy rain caused flooding, which resulted in the closing of Highway 69 in Pryor.				
Heavy rains caused flash flooding across parts of eastern Oklahoma.				

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TULSA COUNTY				
BROKEN ARROW	08/29/07 14:30 CST	0	0	Thunderstorm Wind (EG 61 kt)
	08/29/07 14:30 CST	0	0	36.05N, 95.78W

A downburst with wind speeds estimated at 70 miles an hour blew down several trees.

An isolated downburst occurred in Broken Arrow.