

Storm Data and Unusual Weather Phenomena - August 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ARKANSAS, Northwest				
CRAWFORD COUNTY --- 0.4 NE NATURAL DAM [35.65, -94.40]				
	08/04/13 16:55 CST		0	Thunderstorm Wind (EG 52 kt)
	08/04/13 16:55 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down large tree limbs, blocking the roadway north of Natural Dam.				
A frontal boundary extended across east central Oklahoma into west central Arkansas on the afternoon of the 4th. Widespread showers and thunderstorms occurred along this boundary. Most of the activity remained below severe limits but an isolated severe storm produced damaging wind in Crawford County.				
(AR-Z029) SEBASTIAN				
	08/06/13 03:00 CST		0	Excessive Heat
	08/07/13 19:00 CST		0	
A subtropical ridge of high pressure over Texas helped produce a period of excessive heat across portions of west central Arkansas as typical summertime heat combined with high humidity to produce high temperatures around 100 degrees. Heat index values of 105 to 110 degrees occurred during the day with temperatures only falling into the mid to upper 70s at night, resulting in little relief from the heat.				
BENTON COUNTY --- AVOCA [36.40, -94.07]				
	08/07/13 23:05 CST		5K	Thunderstorm Wind (EG 56 kt)
	08/07/13 23:05 CST		0	Source: Fire Department/Rescue
Strong thunderstorm wind blew down large tree limbs and destroyed a shed.				
BENTON COUNTY --- 1.3 NW GATEWAY [36.49, -93.93], 1.1 NNW GATEWAY [36.49, -93.93], 0.6 NW GATEWAY [36.49, -93.93], 1.0 WNW GATEWAY [36.49, -93.94]				
	08/08/13 04:10 CST		1M	Flash Flood (due to Heavy Rain)
	08/08/13 07:00 CST		0	Source: Public
Portions of Highways 62 and 37 were flooded with over four feet of water over them. Significant damage to roads and bridges resulted from the flooding.				
BENTON COUNTY --- 0.8 ESE BELLA VISTA [36.43, -94.22], 0.6 SSE BELLA VISTA [36.42, -94.22], 0.3 NW BELLA VISTA [36.43, -94.23], 0.4 NNE BELLA VISTA [36.44, -94.23]				
	08/08/13 05:00 CST		1M	Flash Flood (due to Heavy Rain)
	08/08/13 07:00 CST		0	Source: Broadcast Media
Several streets were flooding near the visitor center in town. Significant damage to roads and bridges occurred in this portion of the county.				
BENTON COUNTY --- 1.3 N BENTONVILLE [36.39, -94.22], 2.2 NE BENTONVILLE [36.39, -94.19], 2.0 ESE BENTONVILLE MUNI ARP [36.34, -94.19], 0.5 SSE BENTONVILLE MUNI ARP [36.34, -94.22]				
	08/08/13 05:30 CST		2M	Flash Flood (due to Heavy Rain)
	08/08/13 07:30 CST		0	Source: Broadcast Media
Several city streets were closed due to widespread flooding. Significant damage to roads and bridges occurred in this portion of the county. At least six homes were damaged by flood waters. Numerous water rescues were necessary.				
BENTON COUNTY --- 2.0 N PEA RIDGE [36.48, -94.12], 2.5 N PEA RIDGE [36.49, -94.12], 2.5 N PEA RIDGE [36.49, -94.11], 1.9 N PEA RIDGE [36.48, -94.11]				
	08/08/13 05:30 CST		1M	Flash Flood (due to Heavy Rain)
	08/08/13 07:00 CST		0	Source: Broadcast Media
Portions of Highway 265 were closed north of Pea Ridge due to flooding. Significant damage to roads and bridges occurred due to flooding in this portion of the county.				
WASHINGTON COUNTY --- 0.7 WSW SPRINGDALE [36.18, -94.14], 0.1 WSW SPRINGDALE [36.18, -94.13], 1.8 SW SPRINGDALE MUNI ARPT [36.15, -94.14], 2.0 NE JOHNSON [36.15, -94.15]				
	08/08/13 05:30 CST		0	Flash Flood (due to Heavy Rain)
	08/08/13 07:30 CST		0	Source: Broadcast Media

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South Thompson Street was closed due to flooding.				
WASHINGTON COUNTY --- 3.0 NNE ELM SPGS [36.24, -94.21], 3.0 NNE ELM SPGS [36.24, -94.21], 2.9 NNE ELM SPGS [36.24, -94.21], 2.8 NNE ELM SPGS [36.24, -94.21]				
	08/08/13 05:30 CST		0	Flash Flood (due to Heavy Rain)
	08/08/13 07:30 CST		0	Source: Broadcast Media
A bridge was under water at Wagon Wheel Road and Zeigler Lane.				
MADISON COUNTY --- 2.1 N SPOKE PLANT [35.80, -93.58], 2.5 NE HEALTH [35.80, -93.91], 0.6 S WESLEY [36.02, -93.92], 0.3 SE KINGSTON [36.05, -93.52]				
	08/08/13 05:45 CST		0.45M	Flash Flood (due to Heavy Rain)
	08/08/13 07:30 CST		0	Source: Emergency Manager
Numerous roads were flooded and closed across the southern portion of the county. Significant damage to roads and bridges occurred due to the flooding.				
CARROLL COUNTY --- EUREKA SPGS [36.40, -93.73], 0.7 WNW EUREKA SPGS [36.40, -93.74], 1.0 NNW EUREKA SPGS [36.41, -93.74], 1.0 N EUREKA SPGS [36.41, -93.73]				
	08/08/13 06:00 CST		0	Flash Flood (due to Heavy Rain)
	08/08/13 07:00 CST		0	Source: Law Enforcement
Portions of Highway 23 were reported flooded north of town.				
CARROLL COUNTY --- GRANDVIEW [36.43, -93.62], 0.5 WSW GRANDVIEW [36.43, -93.63], 0.9 SSW GRANDVIEW [36.42, -93.63], 0.6 SSE GRANDVIEW [36.42, -93.61]				
	08/08/13 06:00 CST		0	Flash Flood (due to Heavy Rain)
	08/08/13 07:00 CST		0	Source: Law Enforcement
Portions of Highway 143 were flooded.				
BENTON COUNTY --- HIGHFILL [36.27, -94.35], 1.1 NNW HEALING SPGS [36.26, -94.29], 0.5 WSW HEALING SPGS [36.25, -94.29], 1.1 S HIGHFILL [36.25, -94.35]				
	08/08/13 06:46 CST		0	Flash Flood (due to Heavy Rain)
	08/08/13 07:00 CST		0	Source: Emergency Manager
Highway 264 was closed near the entrance to Northwest Arkansas Regional Airport due to high water over roadway.				
CARROLL COUNTY --- 3.1 NE BEAVER [36.50, -93.73], 3.2 NE BEAVER [36.50, -93.72], 3.1 ENE BEAVER [36.49, -93.72], 3.0 ENE BEAVER [36.49, -93.72]				
	08/08/13 07:00 CST		0.10M	Flood (due to Heavy Rain)
	08/08/13 07:00 CST		0	Source: Newspaper
State Line Drive bridge in Holiday Island was under water and nearly washed out.				
CARROLL COUNTY --- 0.7 NW BEAVER [36.48, -93.78], 0.6 ENE BEAVER [36.47, -93.76], 1.1 SSE BEAVER [36.46, -93.76], 1.1 WSW BEAVER [36.46, -93.79]				
	08/08/13 08:30 CST		0.10M	Flash Flood (due to Heavy Rain)
	08/08/13 09:30 CST		0	Source: Newspaper
Butler Creek flooded portions of Highway 187 between Beaver and Highway 62. A person was swept away from a vehicle while trying to cross a low water bridge near Beaver resulting in a swift water rescue. The flooding washed away portions of roads.				
FRANKLIN COUNTY --- 0.8 WSW OZARK [35.49, -93.84]				
	08/08/13 17:40 CST		0	Thunderstorm Wind (EG 56 kt)
	08/08/13 17:40 CST		0	Source: Public
Strong thunderstorm wind damaged trees in town.				
SEBASTIAN COUNTY --- 0.9 ESE GREENWOOD [35.22, -94.26]				
	08/08/13 17:55 CST		0	Thunderstorm Wind (EG 65 kt)
	08/08/13 17:55 CST		0	Source: Law Enforcement
Strong thunderstorm wind blew down a few trees and snapped numerous large tree limbs.				

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FRANKLIN COUNTY --- 2.0 S OZARK [35.47, -93.83]				
	08/08/13 18:00 CST		15K	Hail (1.75 in)
	08/08/13 18:00 CST		0	Source: Emergency Manager
FRANKLIN COUNTY --- 2.6 NE ALTUS [35.48, -93.74]				
	08/08/13 18:00 CST		5K	Thunderstorm Wind (EG 65 kt)
	08/08/13 18:00 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down a few trees and snapped power lines on Highway 186 north of Altus.				
FRANKLIN COUNTY --- 1.5 SSE ALTUS [35.43, -93.76]				
	08/08/13 18:03 CST		5K	Thunderstorm Wind (EG 52 kt)
	08/08/13 18:03 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down power lines in Denning.				
SEBASTIAN COUNTY --- 0.6 NE LAVACA [35.34, -94.17]				
	08/08/13 18:10 CST		5K	Thunderstorm Wind (EG 65 kt)
	08/08/13 18:10 CST		0	Source: Law Enforcement
Strong thunderstorm wind blew down trees and power lines.				
FRANKLIN COUNTY --- 0.4 SSE CHARLESTON [35.29, -94.03]				
	08/08/13 18:20 CST		5K	Thunderstorm Wind (EG 52 kt)
	08/08/13 18:20 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down power lines.				
<p>Widespread heavy rains occurred late on the 7th and through the morning of the 8th across northwest Arkansas where a nearly stationary frontal boundary was in place. Deep moisture and modest instability allowed for numerous showers and thunderstorms to develop and move over the area, resulting in widespread flash flooding. Significant damage occurred to roads and bridges due to flooding across Benton and Carroll Counties. Intense thunderstorms developed during the afternoon south of the frontal boundary, where strong surface heating combined with deep moisture and instability. Large hail and damaging winds occurred with the stronger storms over parts of west central Arkansas.</p>				
(AR-Z010) WASHINGTON				
	08/31/13 10:00 CST		0	Heat
	08/31/13 19:00 CST	450	0	
<p>Several hundred people were treated for heat-related issues before, during, and after the Arkansas Razorbacks football game in Fayetteville. A couple dozen of those people were transported to the hospital due to the pronounced nature of their symptoms. The temperature in Fayetteville climbed into the mid 90s during the afternoon. This heat combined with the humidity resulted in heat index values in the upper 90s. The Wet-bulb Globe Temperature, another indicator of heat stress, approached 90 during the afternoon. This index takes into account not only the temperature and humidity but also the wind speed, sun angle, and cloud cover.</p>				
OKLAHOMA, Eastern				
OTTAWA COUNTY --- 9.0 WNW NORTH MIAMI [36.97, -95.03], 5.3 W MIAMI [36.88, -94.98], 1.6 SSE MIAMI [36.86, -94.87], 7.0 NW NORTH MIAMI [36.99, -94.97]				
	08/04/13 19:15 CST		0	Flood (due to Heavy Rain)
	08/10/13 12:30 CST		0	Source: Official NWS Observations
The Neosho River near Commerce rose above its flood stage of 15 feet at 8:15 pm CDT on August 4th. The river crested at 18.95 feet at 3:00 am CDT on the 7th, resulting in moderate flooding. The river fell below flood stage at 1:30 pm CDT on the 10th.				
<p>Several thunderstorm complexes, each producing heavy rainfall, moved across southeastern Kansas and northeastern Oklahoma during the first ten days of August, resulting in total rainfall amounts for the period across the area exceeding ten inches in some areas. This locally heavy rainfall resulted in moderate flooding of the Neosho River near Commerce.</p>				
(OK-Z053) CHOCTAW, (OK-Z060) TULSA, (OK-Z071) MCINTOSH, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE				

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FLORE				
	08/06/13 03:00 CST		0	Excessive Heat
	08/07/13 19:00 CST		0	
<p>A subtropical ridge of high pressure over Texas helped produce a period of excessive heat across portions of eastern Oklahoma as typical summertime heat combined with high humidity to produce high temperatures around 100 degrees. Heat index values of 105 to 110 degrees occurred during the day with temperatures only falling into the mid to upper 70s at night, resulting in little relief from the heat.</p>				
OKFUSKEE COUNTY --- 0.6 NNE PADEN [35.51, -96.57]				
	08/07/13 23:10 CST		5K	Thunderstorm Wind (EG 56 kt)
	08/07/13 23:10 CST		0	Source: County Official
Strong thunderstorm wind blew down power lines.				
DELAWARE COUNTY --- 5.0 N JAY [36.49, -94.80], 2.8 E ZENA [36.50, -94.80], 4.6 E ZENA [36.51, -94.77], 4.4 E ZENA [36.49, -94.77]				
	08/08/13 05:30 CST		0	Flash Flood (due to Heavy Rain)
	08/08/13 08:00 CST		0	Source: Law Enforcement
Numerous county roads and low water crossings were under water.				
OTTAWA COUNTY --- 0.5 NW FAIRLAND [36.75, -94.86], 0.6 NE FAIRLAND [36.76, -94.84], 0.7 SE FAIRLAND [36.74, -94.84], 0.6 SSW FAIRLAND [36.74, -94.86]				
	08/08/13 05:30 CST		0	Flash Flood (due to Heavy Rain)
	08/08/13 08:00 CST		0	Source: Law Enforcement
Most streets in town were flooded. State Highway 125 was closed due to high water.				
CRAIG COUNTY --- 7.0 S WHITE OAK [36.52, -95.25], 7.3 SSE WHITE OAK [36.52, -95.22], 9.3 SSE WHITE OAK [36.49, -95.22], 8.9 S WHITE OAK [36.49, -95.25]				
	08/08/13 06:00 CST		0	Flash Flood (due to Heavy Rain)
	08/08/13 08:00 CST		0	Source: Emergency Manager
Numerous rural roads were under water. One swift water rescue was necessary.				
OTTAWA COUNTY --- 1.0 ENE MIAMI [36.89, -94.86], 1.3 SE MIAMI [36.87, -94.86], 0.9 SSW MIAMI [36.87, -94.88], 0.4 NW MIAMI [36.89, -94.88]				
	08/08/13 07:20 CST		0	Flood (due to Heavy Rain)
	08/08/13 09:00 CST		0	Source: Emergency Manager
Highway 69A near the Buffalo Run Casino was closed due to a combination of backwater from the Neosho River along Tar Creek and excessive runoff from locally heavy rainfall. Tar Creek rose approximately four feet between midnight and 8 am.				
HASKELL COUNTY --- 1.0 N LEQUIRE [35.11, -95.10]				
	08/08/13 16:00 CST		0	Thunderstorm Wind (EG 52 kt)
	08/08/13 16:00 CST		0	Source: Trained Spotter
Strong thunderstorm wind blew down large tree limbs.				
HASKELL COUNTY --- 1.0 N LEQUIRE [35.11, -95.10]				
	08/08/13 16:00 CST		10K	Hail (1.75 in)
	08/08/13 16:00 CST		0	Source: Trained Spotter
HASKELL COUNTY --- 0.5 W KINTA [35.12, -95.24]				
	08/08/13 16:30 CST		0	Thunderstorm Wind (EG 52 kt)
	08/08/13 16:30 CST		0	Source: Public
Strong thunderstorm wind blew down a small tree and snapped large tree limbs.				
LE FLORE COUNTY --- 0.3 SSW PANAMA [35.17, -94.67]				
	08/08/13 16:50 CST		0	Thunderstorm Wind (EG 56 kt)
	08/08/13 16:50 CST		0	Source: Trained Spotter

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Strong thunderstorm wind blew down large tree limbs.				
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LE FLORE COUNTY --- PANAMA [35.17, -94.67]	08/08/13 16:50 CST		15K	Thunderstorm Wind (EG 65 kt)
	08/08/13 16:50 CST		0	Source: Law Enforcement
Strong thunderstorm wind blew down several trees, one fell onto a house. Power lines were also blown down.				
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LE FLORE COUNTY --- 0.5 NNW POTEAU [35.06, -94.62]	08/08/13 17:00 CST		5K	Thunderstorm Wind (EG 56 kt)
	08/08/13 17:00 CST		0	Source: Broadcast Media
Strong thunderstorm wind blew down the sign outside a business.				
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LE FLORE COUNTY --- 0.1 ENE POCOLA [35.23, -94.48]	08/08/13 17:30 CST		0	Thunderstorm Wind (EG 65 kt)
	08/08/13 17:30 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down several trees and snapped numerous large tree limbs.				
<p>Widespread heavy rains occurred late on the 7th and through the morning of the 8th across northeast Oklahoma where a nearly stationary frontal boundary was in place. Deep moisture and modest instability allowed for numerous showers and thunderstorms to develop and move over the area, resulting in widespread flash flooding across Delaware, Ottawa, and Craig Counties. Intense thunderstorms developed during the afternoon south of the frontal boundary, where strong surface heating combined with deep moisture and instability. Large hail and damaging winds occurred with the stronger storms across parts of east central and southeast Oklahoma.</p>				
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CREEK COUNTY --- 0.6 N DRUMRIGHT [35.99, -96.60]	08/09/13 00:36 CST		0	Thunderstorm Wind (EG 52 kt)
	08/09/13 00:36 CST		0	Source: Law Enforcement
Strong thunderstorm wind blew down large tree limbs.				
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CREEK COUNTY --- 0.4 WNW DEPEW [35.80, -96.51]	08/09/13 00:57 CST		0	Thunderstorm Wind (EG 65 kt)
	08/09/13 00:57 CST		0	Source: Law Enforcement
Strong thunderstorm wind blew down several trees and snapped numerous large tree limbs.				
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CREEK COUNTY --- 3.6 WSW KEYSTONE LAKE SOUTHW [36.13, -96.44]	08/09/13 00:58 CST		10K	Thunderstorm Wind (EG 56 kt)
	08/09/13 00:58 CST		0	Source: Storm Chaser
Strong thunderstorm wind damaged shingles and the siding of two mobile homes, and damaged the roof of a barn.				
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LE FLORE COUNTY --- 2.1 ENE WISTER [34.98, -94.69]	08/09/13 16:10 CST		0	Thunderstorm Wind (MG 50 kt)
	08/09/13 16:10 CST		0	Source: Mesonet
The Oklahoma Mesonet station near Wister measured 58 mph thunderstorm wind gusts.				
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LE FLORE COUNTY --- 2.1 ENE WISTER [34.98, -94.69]	08/09/13 16:15 CST		0	Thunderstorm Wind (MG 63 kt)
	08/09/13 16:15 CST		0	Source: Mesonet
The Oklahoma Mesonet station near Wister measured 73 mph thunderstorm wind gusts.				
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LE FLORE COUNTY --- WISTER [34.97, -94.72]	08/09/13 16:15 CST		5K	Thunderstorm Wind (EG 65 kt)
	08/09/13 16:15 CST		0	Source: Law Enforcement
Strong thunderstorm wind blew down trees and power lines.				

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LE FLORE COUNTY --- 0.7 NNW HEAVENER [34.89, -94.60]				
	08/09/13 16:22 CST		5K	Thunderstorm Wind (EG 65 kt)
	08/09/13 16:22 CST		0	Source: Law Enforcement

Strong thunderstorm wind blew down trees and power lines.

A stationary frontal boundary, along with several outflow boundaries, focused the development of a few severe thunderstorms over northeastern Oklahoma during the early morning hours of the 9th. Additional severe thunderstorms developed during the afternoon over southeastern Oklahoma.

MCINTOSH COUNTY --- 3.4 NNW CHECOTAH [35.48, -95.53], 2.8 S RENTIESVILLE [35.48, -95.51], 2.2 NNE CHECOTAH [35.46, -95.51], 2.4 NNW CHECOTAH [35.46, -95.54]				
	08/13/13 05:45 CST		0	Flash Flood (due to Heavy Rain)
	08/13/13 09:30 CST		0	Source: Storm Chaser

Several low water crossings and streets were flooded in and around town.

WASHINGTON COUNTY --- BARTLESVILLE [36.75, -96.00], 1.8 S HI WAY ARPT [36.75, -95.96], 3.6 SE BARTLESVILLE [36.72, -95.95], 1.8 SSE BARTLESVILLE [36.72, -95.99]				
	08/13/13 12:00 CST		0	Flash Flood (due to Heavy Rain)
	08/13/13 13:00 CST		0	Source: Emergency Manager

Significant street flooding occurred across town. A swift water rescue occurred near the Eastland Shopping Center.

A slow moving cold front focused thunderstorms that produced heavy rainfall across portions of eastern Oklahoma on the 13th. The prolonged nature of the precipitation in some areas resulted in localized flash flooding.