

Storm Data and Unusual Weather Phenomena - August 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OKLAHOMA, Western, Central and Southeast				
(OK-Z025) OKLAHOMA, (OK-Z035) KIOWA				
	08/01/08 17:00 CST	1	0	Heat
	08/02/08 19:00 CST	1	0	
Above normal late July and early August afternoon temperatures began to take their toll on Oklahoma residents. One man died due to a heat-related illness while driving a tractor six miles north of Lone Wolf. Another person hospitalized after collapsing from heat exhaustion in Oklahoma City.				
Direct Fatalities: M76OU				
WOODS COUNTY --- 7.0 SSW ALVA [36.71, -98.72]				
	08/05/08 15:20 CST		0	Thunderstorm Wind (MG 56 kt)
	08/05/08 15:20 CST		0	Source: Mesonet
WOODS COUNTY --- 7.0 SSW ALVA [36.71, -98.72]				
	08/05/08 15:25 CST		0	Thunderstorm Wind (MG 56 kt)
	08/05/08 15:25 CST		0	Source: Mesonet
WOODS COUNTY --- 7.0 SSW ALVA [36.71, -98.72]				
	08/05/08 15:40 CST		0	Thunderstorm Wind (MG 62 kt)
	08/05/08 15:40 CST		0	Source: Mesonet
Isolated thunderstorms developed during the late afternoon. Large differences between the temperature and dew point at the surface caused much of the precipitation to evaporate before reaching the ground, which led to severe downburst winds. Severe wind gusts were reported at the Alva mesonet site, with a peak gust of 71 mph. No damage was reported.				
CADDO COUNTY --- 1.0 E CARNEGIE [35.10, -98.58]				
	08/14/08 17:37 CST		0	Hail (1.00 in)
	08/14/08 17:37 CST		0	Source: Emergency Manager
CADDO COUNTY --- 2.0 SE CARNEGIE [35.08, -98.58]				
	08/14/08 17:44 CST		0	Hail (1.00 in)
	08/14/08 17:44 CST		0	Source: Amateur Radio
MCCLAIN COUNTY --- 2.0 SSW BLANCHARD [35.11, -97.67]				
	08/14/08 17:59 CST		0	Hail (1.00 in)
	08/14/08 17:59 CST		0	Source: COOP Observer
GRADY COUNTY --- 2.0 ESE MIDDLEBERG [35.10, -97.71]				
	08/14/08 18:00 CST		0	Hail (1.25 in)
	08/14/08 18:00 CST		0	Source: NWS Employee
ROGER MILLS COUNTY --- 6.0 NW REYDON [35.71, -100.00]				
	08/14/08 18:01 CST		5K	Thunderstorm Wind (EG 52 kt)
	08/14/08 18:01 CST		0	Source: Public
Four to five inch diameter tree limbs were blown down. Monetary damages were estimated.				
GRADY COUNTY --- 3.0 ENE TABLER [35.06, -97.77]				
	08/14/08 18:06 CST		0	Hail (0.88 in)
	08/14/08 18:06 CST		0	Source: Amateur Radio
COMANCHE COUNTY --- 5.0 W FLETCHER [34.82, -98.33]				
	08/14/08 18:50 CST		0	Hail (0.88 in)
	08/14/08 18:50 CST		0	Source: Amateur Radio

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OKLAHOMA COUNTY --- NICOMA PARK [35.49, -97.32]				
	08/14/08 19:50 CST		0	Thunderstorm Wind (EG 52 kt)
	08/14/08 19:50 CST		0	Source: Amateur Radio
Several residents were without power for a short period.				
STEPHENS COUNTY --- 7.0 NW VELMA [34.53, -97.76]				
	08/14/08 19:50 CST		0	Thunderstorm Wind (MG 53 kt)
	08/14/08 19:50 CST		0	Source: Mesonet
GREER COUNTY --- 2.0 NNW HESTER [34.83, -99.44]				
	08/14/08 19:55 CST		0	Thunderstorm Wind (MG 50 kt)
	08/14/08 19:55 CST		0	Source: Mesonet
HARMON COUNTY --- 3.0 W GOULD [34.67, -99.82]				
	08/14/08 19:55 CST		0	Thunderstorm Wind (MG 51 kt)
	08/14/08 19:55 CST		0	Source: Mesonet
STEPHENS COUNTY --- 7.0 NW VELMA [34.53, -97.76]				
	08/14/08 19:55 CST		0	Thunderstorm Wind (MG 58 kt)
	08/14/08 19:55 CST		0	Source: Mesonet
JACKSON COUNTY --- (LTS)ALTUS AFB [34.66, -99.29]				
	08/14/08 20:07 CST		0	Thunderstorm Wind (MG 55 kt)
	08/14/08 20:07 CST		0	Source: ASOS
Thunderstorms developed in northwest Oklahoma during the mid afternoon hours. Areal coverage increased as the thunderstorms congealed into a complex and moved southeast. Large hail was the main impact initially in the stronger cores, but high winds became more common along the leading edge of the complex. Some minor damage was reported with the winds, but no injuries were reported. Monetary damages were estimated.				
COTTON COUNTY --- 4.0 N WALTERS [34.41, -98.31], COOKIETOWN [34.27, -98.45], 3.0 S TEMPLE [34.23, -98.23], 5.0 E WALTERS [34.35, -98.22]				
	08/18/08 07:00 CST		0	Flash Flood (due to Heavy Rain)
	08/18/08 11:00 CST		0	Source: Emergency Manager
Three to six inches of rain in a short amount of time resulted in numerous county roads being closed.				
COMANCHE COUNTY --- 1.8 NW FAXON [34.48, -98.60], CHATTANOOGA [34.42, -98.65], 5.0 E CHATTANOOGA [34.42, -98.56], 5.0 NE FAXON [34.51, -98.52]				
	08/18/08 19:00 CST		15K	Flash Flood (due to Heavy Rain)
	08/18/08 21:15 CST		0	Source: Public
Numerous county roads were washed out and impassable due to very high water.				
JEFFERSON COUNTY --- 5.0 NW WAURIKA [34.22, -98.06], 5.0 SW WAURIKA [34.12, -98.06], 5.0 SE WAURIKA [34.12, -97.94], 5.0 NE WAURIKA [34.22, -97.94]				
	08/19/08 02:00 CST		50K	Flash Flood (due to Heavy Rain)
	08/19/08 05:00 CST		0	Source: Emergency Manager
The Sugden bridge along Highway 81 was under water. Water was reported over numerous county roads and highways, including Highway 70. Several homes reported as much as one foot of water inside the homes. Total rainfall for this area was nine to eleven inches. Monetary damages were estimated.				
JEFFERSON COUNTY --- WAURIKA [34.17, -98.00]				
	08/19/08 03:00 CST		0	Heavy Rain
	08/19/08 03:00 CST		0	Source: Emergency Manager
The measured precipitation total at the Waurika Fire Department was 10.50 inches. The rain fell from 5am on the 18th to 4am on the 19th.				
CANADIAN COUNTY --- 3.0 N YUKON [35.54, -97.74], 2.0 SW YUKON [35.48, -97.77], 5.0 SW YUKON [35.45, -97.80], UNION CITY [35.39, -97.94], 6.0 SW PIEDMONT [35.58, -97.83], 5.0 N YUKON [35.57, -97.74]				

Storm Data and Unusual Weather Phenomena - August 2008

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	08/19/08 08:30 CST		75K	Flood (due to Heavy Rain)
	08/19/08 15:00 CST		0	Source: Broadcast Media

Widespread flooding occurred over eastern Canadian county, with the greatest flooding occurring from NW 23rd Street and Richland Avenue to Highway 66 and Banner Road. Five people were rescued by boat here, with three of those from their home and two from their cars. As much of four feet of water was standing over numerous other city and county roads, making them impassable. Monetary damages were estimated.

OKLAHOMA COUNTY --- WARR ACRES [35.52, -97.62], 4.0 S BETHANY [35.45, -97.64], 4.0 SE BETHANY [35.47, -97.59], NICHOLS HILLS [35.55, -97.54]

08/19/08 09:00 CST	0	Flood (due to Heavy Rain)
08/19/08 13:00 CST	0	Source: Broadcast Media

Numerous city roads over the western half of Oklahoma City were closed to due to high water.

An unseasonably strong upper level storm system moved over the southern half of Oklahoma, beginning on the 18th and continuing through the 19th. Abundant moisture was in place ahead of the storm system and even increased as the storm system began moving east over the Red River. Several waves of heavy showers and thunderstorms overspread areas from Hollis to Oklahoma City, resulting in extremely high precipitation totals and widespread flooding and flash flooding. Many city and county roads were closed due to high water, and several water rescues occurred. Monetary damages were estimated.

PAYNE COUNTY --- 11.0 SW STILLWATER [36.01, -97.20]

08/29/08 15:05 CST	0	Thunderstorm Wind (MG 51 kt)
08/29/08 15:05 CST	0	Source: Mesonet

KAY COUNTY --- 2.0 N BLACKWELL [36.83, -97.28]

08/29/08 15:15 CST	15K	Lightning
08/29/08 15:15 CST	0	Source: Newspaper

Lightning struck an oil tank battery two miles north of Blackwell. An oil tank with 80 barrels of oil exploded as a result. No other damage was reported to the other tanks. Monetary damages were estimated.

WASHITA COUNTY --- DILL CITY [35.28, -99.13]

08/29/08 15:28 CST	0	Thunderstorm Wind (EG 52 kt)
08/29/08 15:28 CST	0	Source: Public

The wind gust was reported on the east side of town.

CANADIAN COUNTY --- YUKON [35.50, -97.74]

08/29/08 16:03 CST	50K	Thunderstorm Wind (EG 61 kt)
08/29/08 16:03 CST	2	Source: NWS Storm Survey

A microburst occurred over eastern Canadian county near Yukon. The estimated 60-70 mph winds caused damage, starting with a collision between an 18-wheeler and two cars on Interstate 40 at Czech Hall Road. In addition, a medium size tree was downed, and power lines were downed at I-40 and Mustang Road. Two passengers in the automobiles sustained minor injuries. Interstate 40 was closed because of the debris from approximately 1603 - 1812 CDT. Additional damage occurred near the Woodrun Village apartments at Mustang and Reno roads. Some large tree limbs were snapped, one large tree was partially uprooted before the roots snapped, and four successive power poles were downed. Monetary damages were estimated.

KINGFISHER COUNTY --- KINGFISHER [35.86, -97.93]

08/29/08 16:20 CST	0	Hail (0.88 in)
08/29/08 16:20 CST	0	Source: Emergency Manager

OKLAHOMA COUNTY --- 2.0 NNW WARR ACRES [35.55, -97.63]

08/29/08 17:00 CST	12K	Thunderstorm Wind (EG 56 kt)
08/29/08 17:00 CST	0	Source: Broadcast Media

Eight large trees were downed near NW 122nd Street and Macarthur Boulevard. The report was relayed by KWTW-9 TV. Monetary damages were estimated.

CANADIAN COUNTY --- 5.0 E UNION CITY [35.39, -97.85]

08/29/08 17:41 CST	0	Thunderstorm Wind (EG 52 kt)
08/29/08 17:41 CST	0	Source: Amateur Radio

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CADDO COUNTY --- 1.0 S ALBERT [35.22, -98.41]				
	08/29/08 19:12 CST		0	Hail (0.75 in)
	08/29/08 19:12 CST		0	Source: Amateur Radio
CADDO COUNTY --- 1.0 E ALBERT [35.23, -98.39]				
	08/29/08 19:13 CST		0	Hail (0.88 in)
	08/29/08 19:13 CST		0	Source: Amateur Radio
A weak cold front moved through northern Oklahoma during the morning and early afternoon, with several outflow boundaries behind the front. Thunderstorms developed by mid afternoon and continued through the early part of the evening along these boundaries, with several briefly becoming severe. Weak winds aloft and marginal instability allowed for more pulse type storms, with heavy rain and strong winds the main impacts. Some hail was reported as well, but these reports were few and far between. Some damage was reported with the winds, especially in the Oklahoma City metro area. Monetary damages were estimated.				
TEXAS, Western North				
WILBARGER COUNTY --- ODELL [34.35, -99.42]				
	08/14/08 20:30 CST		0	Thunderstorm Wind (MG 50 kt)
	08/14/08 20:30 CST		0	Source: Amateur Radio
WILBARGER COUNTY --- VERNON [34.15, -99.29]				
	08/14/08 20:40 CST		8K	Thunderstorm Wind (MG 66 kt)
	08/14/08 20:40 CST		0	Source: Newspaper
The wind gust caused minor roof damage, as well as minor tree and power line damage. Monetary damages were estimated. Thunderstorms developed over Oklahoma during the afternoon and moved southeast into western north Texas. High winds were the main impact, with a brief period of severe winds measured in Wilbarger County. Minor damage was reported in Vernon. Monetary damages were estimated.				
WICHITA COUNTY --- BURKBURNETT [34.09, -98.56], IOWA PARK [33.95, -98.67], WICHITA FALLS [33.91, -98.49], 5.0 SE BURKBURNETT [34.04, -98.50]				
	08/18/08 20:00 CST		25M	Flash Flood (due to Heavy Rain)
	08/19/08 01:00 CST		0	Source: Emergency Manager
Major flooding occurred over northern Wichita county. At Wichita Falls, numerous homes were flooded with residents having to be evacuated by boat. A 3.5 mile stretch of railroad track from Wichita Falls to Burkburnett was washed out in several spots, making it impassable. At Burkburnett, the Reilly Ranch Loop was closed just south of Morgan Road and Highway 368, as well Highway 240. Interstate 44 was closed from Wichita Falls to the Red River due to as much as two feet of water flowing over top of it. Significant residential flooding was also reported along Business Highway 287 at Iowa Park. In total over the affected areas, at least 118 homes were flooded, 19 of which were destroyed. Burkburnett and Iowa Park were completely isolated for a few hours during the initial flooding because of street flooding. There was no access to or from these two cities. Monetary damages were estimated, and based on input from Wichita County officials.				
CLAY COUNTY --- 1.0 NE PETROLIA [34.02, -98.22], BYERS [34.07, -98.19], 2.0 NW PETROLIA [34.03, -98.25], 1.0 SW PETROLIA [34.00, -98.24]				
	08/19/08 02:40 CST		0	Flash Flood (due to Heavy Rain)
	08/19/08 04:30 CST		0	Source: Emergency Manager
Highway 79 was closed due to high water at the intersection of Highway 810. Other county roads were also closed.				
WICHITA COUNTY --- WICHITA FALLS [33.91, -98.49], 2.0 SE BURKBURNETT [34.07, -98.54], BURKBURNETT [34.09, -98.56], IOWA PARK [33.95, -98.67]				
	08/19/08 04:30 CST		0	Flood (due to Heavy Rain)
	08/19/08 06:30 CST		0	Source: Emergency Manager
Widespread flooding continued, mainly as a result of heavy rainfall early that night. The main flooding was from the west side of Wichita Falls, into Burkburnett and Iowa Park. Interstate 44 was still closed at Burkburnett, with other city and county roads also closed.				
CLAY COUNTY --- PETROLIA [34.01, -98.23], HENRIETTA [33.82, -98.19], 3.0 NE HENRIETTA [33.85, -98.15], BYERS [34.07, -98.19]				

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	08/19/08 07:28 CST		0	Flood (due to Heavy Rain)
	08/19/08 09:30 CST		0	Source: Emergency Manager

Several roadways continued to be closed due to earlier heavy rainfall.

An unseasonably strong upper level storm system moved over northern Texas, beginning on the 18th and continuing through parts of the 19th. Abundant moisture was in place ahead of the storm system and even increased as the storm system began moving east over the Red River. Several waves of heavy showers and thunderstorms occurred, resulting in extremely high precipitation totals and widespread flooding and flash flooding, mainly over the Iowa Park, Burkburnett and Wichita Falls areas. Many city and county roads were closed due to high water, and many water rescues took place. Numerous cars and trucks were washed off roadways. Governor Rick Perry declared Wichita county a disaster area, which made it eligible for federal disaster assistance. Monetary damages were estimated.