

Storm Data and Unusual Weather Phenomena - September 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OKLAHOMA, Western, Central and Southeast				
ROGER MILLS COUNTY --- 6.0 SSW REYDON [35.57, -99.96]				
	09/05/08 16:20 CST		5K	Hail (2.75 in)
	09/05/08 16:20 CST		0	Source: Emergency Manager
The hail broke a couple of windows at a residence. Monetary damages were estimated.				
ROGER MILLS COUNTY --- 8.0 N SWEETWATER [35.54, -99.91]				
	09/05/08 16:35 CST		0	Hail (1.75 in)
	09/05/08 16:35 CST		0	Source: Broadcast Media
ROGER MILLS COUNTY --- 8.0 S REYDON [35.53, -99.92]				
	09/05/08 16:35 CST		0	Hail (2.50 in)
	09/05/08 16:35 CST		0	Source: Public
BECKHAM COUNTY --- 7.0 SE SWEETWATER [35.35, -99.82]				
	09/05/08 17:14 CST		0	Hail (0.75 in)
	09/05/08 17:14 CST		0	Source: Trained Spotter
BECKHAM COUNTY --- 6.0 W SAYRE [35.30, -99.75]				
	09/05/08 17:20 CST		0	Hail (2.50 in)
	09/05/08 17:20 CST		0	Source: Trained Spotter
BECKHAM COUNTY --- 7.0 WNW SAYRE [35.34, -99.75]				
	09/05/08 17:21 CST		0	Hail (2.50 in)
	09/05/08 17:21 CST		0	Source: Trained Spotter
BECKHAM COUNTY --- 6.0 WNW SAYRE [35.33, -99.74]				
	09/05/08 17:30 CST		0	Hail (1.00 in)
	09/05/08 17:30 CST		0	Source: Trained Spotter
BECKHAM COUNTY --- SAYRE [35.30, -99.64]				
	09/05/08 17:31 CST		0	Hail (0.75 in)
	09/05/08 17:31 CST		0	Source: Emergency Manager
BECKHAM COUNTY --- 5.0 S SAYRE [35.23, -99.64]				
	09/05/08 17:47 CST		0	Hail (1.00 in)
	09/05/08 17:47 CST		0	Source: Amateur Radio
The hail was reported on Highway 283.				
BECKHAM COUNTY --- 4.0 W SAYRE [35.30, -99.71]				
	09/05/08 18:47 CST		0	Hail (0.88 in)
	09/05/08 18:47 CST		0	Source: Amateur Radio
JACKSON COUNTY --- BLAIR [34.78, -99.33]				
	09/05/08 19:39 CST		0	Hail (0.88 in)
	09/05/08 19:39 CST		0	Source: Trained Spotter
Thunderstorms developed over the eastern Texas panhandle during the late afternoon on the 5th, and became severe as they moved into western Oklahoma, with several brief supercells forming. Large hail was the main hazard with the thunderstorms with hail up to baseball size reported. The hail broke a few windows at a residence in Roger Mills county, but no other damage was reported. The storms dissipated shortly after sunset. Monetary damages were estimated.				
HARMON COUNTY --- 1.0 N HOLLIS [34.70, -99.92], 1.0 W HOLLIS [34.69, -99.94], 2.0 S HOLLIS [34.66, -99.92], 2.0 E HOLLIS [34.69, -99.88]				
	09/11/08 15:30 CST		0	Flash Flood (due to Heavy Rain)
	09/11/08 16:30 CST		0	Source: Emergency Manager

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<p>At least a foot of water accumulated over a couple of roadways, including a small area of Highway 30. One car was stalled due to driving into the high water.</p>				
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DEWEY COUNTY --- 1.0 S TALOGA [36.03, -98.96], 1.0 SE TALOGA [36.03, -98.95], 2.0 NE TALOGA [36.06, -98.93], 2.0 N TALOGA [36.07, -98.96], 2.0 NW TALOGA [36.06, -98.99]				
	09/11/08 22:30 CST		0	Flash Flood (due to Heavy Rain)
	09/11/08 23:45 CST		0	Source: Law Enforcement
<p>Water over Highway 183 made it impassable.</p>				
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MAJOR COUNTY --- CHESTER [36.22, -98.92], 1.0 S CHESTER [36.21, -98.92], 2.0 E CHESTER [36.22, -98.88], 2.0 NE CHESTER [36.24, -98.89]				
	09/11/08 22:50 CST		0	Flash Flood (due to Heavy Rain)
	09/11/08 23:45 CST		0	Source: Law Enforcement
<p>Water covered parts of Highways 281 and 60 making them impassable.</p>				
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ALFALFA COUNTY --- 1.0 NW BURLINGTON [36.91, -98.43], 1.0 SW BURLINGTON [36.89, -98.43], 1.0 SE BURLINGTON [36.89, -98.41], 1.0 NE BURLINGTON [36.91, -98.41]				
	09/12/08 00:00 CST		1.80M	Flash Flood (due to Heavy Rain)
	09/12/08 03:30 CST		0	Source: Law Enforcement
<p>Highway 8/58 was closed due to water over the roadway. Numerous homes and businesses had water up to the front entryways. At least 100 homes suffered minor water damage. Monetary damages were estimated.</p>				
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ALFALFA COUNTY --- 1.0 W CHEROKEE [36.75, -98.37], 2.0 S CHEROKEE [36.72, -98.35], 2.0 N CHEROKEE [36.78, -98.35], 2.0 NW CHEROKEE [36.77, -98.38]				
	09/12/08 00:00 CST		0	Flash Flood (due to Heavy Rain)
	09/12/08 03:30 CST		0	Source: Law Enforcement
<p>Water was over US Highway 64 near Cherokee making it impassable.</p>				
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ALFALFA COUNTY --- JET [36.67, -98.18], 2.0 W JET [36.67, -98.22], 2.0 SW JET [36.65, -98.21], 2.0 SE JET [36.65, -98.15], 2.0 E JET [36.67, -98.14]				
	09/12/08 00:30 CST		0	Flash Flood (due to Heavy Rain)
	09/12/08 03:30 CST		0	Source: Law Enforcement
<p>Water was over US Highway 64 making it impassable.</p>				
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MAJOR COUNTY --- 3.0 N FAIRVIEW [36.31, -98.48], 3.0 W FAIRVIEW [36.27, -98.53], 3.0 S FAIRVIEW [36.23, -98.48], 3.0 E FAIRVIEW [36.27, -98.43]				
	09/12/08 01:00 CST		0.40M	Flash Flood (due to Heavy Rain)
	09/12/08 03:30 CST		0	Source: Law Enforcement
<p>At least 100 homes were damaged due to flooding. Numerous streets were also closed due to the very high water. Monetary damages were estimated.</p>				
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GRANT COUNTY --- NASH [36.67, -98.05], 2.0 W NASH [36.67, -98.09], 1.0 SW NASH [36.66, -98.06], 1.0 SE NASH [36.66, -98.04]				
	09/12/08 03:30 CST		0	Flash Flood (due to Heavy Rain)
	09/12/08 03:30 CST		0	Source: Law Enforcement
<p>US Highway 64 was closed due to high water.</p>				
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GRANT COUNTY --- MEDFORD [36.81, -97.73], 2.0 W MEDFORD [36.81, -97.77], 2.0 W POND CREEK [36.67, -97.84], 2.0 SE POND CREEK [36.65, -97.77]				
	09/12/08 03:45 CST		0	Flash Flood (due to Heavy Rain)
	09/12/08 05:30 CST		0	Source: Law Enforcement
<p>US Highway 81 was closed between Medford and Pond Creek due to water running over the roadway.</p>				
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GRANT COUNTY --- MEDFORD [36.81, -97.73], 3.0 WSW MEDFORD [36.79, -97.78], 3.0 W MEDFORD [36.81, -97.78], 3.0 WNW MEDFORD [36.83, -97.78], 1.0 N MEDFORD [36.82, -97.73]				
	09/12/08 04:05 CST		0	Flash Flood (due to Heavy Rain)
	09/12/08 05:30 CST		0	Source: Law Enforcement
<p>State Highway 11 was closed due to water running over the roadway.</p>				

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WOODS COUNTY --- 2.0 SSW HOPETON [36.66, -98.68], 2.0 NNW HOPETON [36.72, -98.68], 2.0 NNE HOPETON [36.72, -98.66], 1.0 SSE HOPETON [36.68, -98.66], 1.0 S HOPETON [36.68, -98.67]				
	09/12/08 05:45 CST		0	Flash Flood (due to Heavy Rain)
	09/12/08 08:30 CST		0	Source: Law Enforcement
Highway 281 was closed due to water over the roadway.				
DEWEY COUNTY --- 10.0 SSE TALOGA [35.91, -98.89], 10.0 S TALOGA [35.90, -98.96], 8.0 S TALOGA [35.92, -98.96], 8.0 SE TALOGA [35.96, -98.86]				
	09/12/08 05:55 CST		0	Flash Flood (due to Heavy Rain)
	09/12/08 08:30 CST		0	Source: Law Enforcement
The River Road near the River Bridge was closed due to at least a foot of water running over top of it.				
ALFALFA COUNTY --- 1.0 SSE HELENA [36.54, -98.26]				
	09/12/08 06:00 CST		0	Heavy Rain
	09/12/08 06:00 CST		0	Source: COOP Observer
The measured rainfall was 8.74 inches, much of it falling in a six to eight hour period.				
BECKHAM COUNTY --- 1.0 NE SAYRE [35.31, -99.63]				
	09/12/08 06:00 CST		0	Heavy Rain
	09/12/08 06:00 CST		0	Source: Amateur Radio
The measured rainfall was 3.98 inches, much of it falling in a six to eight hour period.				
BECKHAM COUNTY --- ERICK [35.21, -99.87]				
	09/12/08 06:00 CST		0	Heavy Rain
	09/12/08 06:00 CST		0	Source: COOP Observer
The measured rainfall was 4.20 inches, much of it falling in a six to eight hour period.				
DEWEY COUNTY --- 3.0 N PUTNAM [35.90, -98.97]				
	09/12/08 06:00 CST		0	Heavy Rain
	09/12/08 06:00 CST		0	Source: Mesonet
The measured rainfall was 7.30 inches, much of it falling in a six to eight hour period.				
DEWEY COUNTY --- 4.0 WNW CAMARGO [36.04, -99.36]				
	09/12/08 06:00 CST		0	Heavy Rain
	09/12/08 06:00 CST		0	Source: Mesonet
The measured rainfall was 6.51 inches, much of it falling in a six to eight hour period.				
DEWEY COUNTY --- LEEDEY [35.87, -99.35]				
	09/12/08 06:00 CST		0	Heavy Rain
	09/12/08 06:00 CST		0	Source: COOP Observer
The measured rainfall was 4.45 inches, much of it falling in a six to eight hour period.				
DEWEY COUNTY --- VICI [36.15, -99.30], 1.0 NE VICI [36.16, -99.29], SEILING [36.15, -98.92], 1.0 SW SEILING [36.14, -98.93], 1.0 SE VICI [36.14, -99.29]				
	09/12/08 06:00 CST		0	Flash Flood (due to Heavy Rain)
	09/12/08 08:30 CST		0	Source: Law Enforcement
At least eight inches of water was running over Highway 60, making it impassable.				
GRANT COUNTY --- JEFFERSON [36.72, -97.79]				
	09/12/08 06:00 CST		0	Heavy Rain
	09/12/08 06:00 CST		0	Source: COOP Observer
The measured rainfall was 3.62 inches, much of it falling in a six to eight hour period.				

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GRANT COUNTY --- MEDFORD [36.81, -97.73]				
	09/12/08 06:00 CST	0		Heavy Rain
	09/12/08 06:00 CST	0		Source: COOP Observer
The measured rainfall was 5.10 inches, much of it falling in a six to eight hour period.				
HARMON COUNTY --- 5.0 E HOLLIS [34.69, -99.83]				
	09/12/08 06:00 CST	0		Heavy Rain
	09/12/08 06:00 CST	0		Source: Amateur Radio
The measured rainfall was 4.48 inches, much of it falling in a six to eight hour period.				
KAY COUNTY --- BLACKWELL [36.80, -97.28]				
	09/12/08 06:00 CST	0		Heavy Rain
	09/12/08 06:00 CST	0		Source: COOP Observer
The measured rainfall was 3.38 inches, much of it falling in a six to eight hour period.				
MAJOR COUNTY --- 1.0 W FAIRVIEW [36.27, -98.50]				
	09/12/08 06:00 CST	0		Heavy Rain
	09/12/08 06:00 CST	0		Source: Mesonet
The measured rainfall was 9.23 inches, much of it falling in a six to eight hour period.				
MAJOR COUNTY --- ORIENTA [36.36, -98.47]				
	09/12/08 06:00 CST	0		Heavy Rain
	09/12/08 06:00 CST	0		Source: COOP Observer
The measured rainfall was 7.45 inches, much of it falling in a six to eight hour period.				
ROGER MILLS COUNTY --- 6.0 SW CHEYENNE [35.55, -99.75]				
	09/12/08 06:00 CST	0		Heavy Rain
	09/12/08 06:00 CST	0		Source: Mesonet
The measured rainfall was 3.69 inches, much of it falling in a six to eight hour period.				
WOODS COUNTY --- FREEDOM [36.77, -99.11]				
	09/12/08 06:00 CST	0		Heavy Rain
	09/12/08 06:00 CST	0		Source: COOP Observer
The measured rainfall was 3.74 inches, much of it falling in a six to eight hour period.				
WOODS COUNTY --- WAYNOKA [36.59, -98.88]				
	09/12/08 06:00 CST	0		Heavy Rain
	09/12/08 06:00 CST	0		Source: COOP Observer
The measured rainfall was 4.30 inches, much of it falling in a six to eight hour period.				
WOODWARD COUNTY --- 8.0 ESE MUTUAL [36.19, -99.04]				
	09/12/08 06:00 CST	0		Heavy Rain
	09/12/08 06:00 CST	0		Source: Mesonet
The measured rainfall was 5.89 inches, much of it falling in a six to eight hour period.				
WOODWARD COUNTY --- MUTUAL [36.23, -99.17]				
	09/12/08 06:00 CST	0		Heavy Rain
	09/12/08 06:00 CST	0		Source: COOP Observer
The measured rainfall was 8.30 inches, much of it falling in a six to eight hour period.				
WOODWARD COUNTY --- WOODWARD [36.43, -99.39]				

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	09/12/08 06:00 CST		0	Heavy Rain
	09/12/08 06:00 CST		0	Source: COOP Observer
The measured rainfall was 3.03 inches, much of it falling in a six to eight hour period.				
WOODWARD COUNTY --- 2.0 W MUTUAL [36.23, -99.21], 1.0 N MUTUAL [36.24, -99.17], 1.0 E MUTUAL [36.23, -99.15], 1.0 S MUTUAL [36.22, -99.17]				
	09/12/08 09:00 CST		75K	Flood (due to Heavy Rain)
	09/12/08 12:00 CST		0	Source: Emergency Manager
Most roadways going in and out of Mutual were inaccessible. At least one residence had been flooded two miles west of town. Monetary damages were estimated.				
GRANT COUNTY --- MEDFORD [36.81, -97.73], POND CREEK [36.67, -97.80], NASH [36.67, -98.05], MANCHESTER [36.99, -98.04], 10.0 N MEDFORD [36.95, -97.73]				
	09/12/08 10:30 CST		0	Flood (due to Heavy Rain)
	09/12/08 12:30 CST		0	Source: Law Enforcement
Numerous roadways were closed over the western half of the county due to overnight and early morning heavy rainfall.				
ALFALFA COUNTY --- 2.0 N CHEROKEE [36.78, -98.35], 2.0 W CHEROKEE [36.75, -98.39], 2.0 S CHEROKEE [36.72, -98.35], 2.0 E CHEROKEE [36.75, -98.31]				
	09/12/08 10:40 CST		0	Flood (due to Heavy Rain)
	09/12/08 10:40 CST		0	Source: Law Enforcement
Numerous roadways in and around Cherokee remained closed due to overnight and early morning heavy rainfall.				
MAJOR COUNTY --- CLEO SPRINGS [36.41, -98.44], 1.0 SE CLEO SPRINGS [36.40, -98.43], 1.0 SE ORIENTA [36.35, -98.46], ORIENTA [36.36, -98.47]				
	09/12/08 10:50 CST		0	Flood (due to Heavy Rain)
	09/12/08 12:50 CST		0	Source: Post Office
Highway 8 between Cleo Springs and Orienta remained closed due to overnight and early morning heavy rainfall.				
GRANT COUNTY --- MANCHESTER [36.99, -98.04], NASH [36.67, -98.05], LAMONT [36.69, -97.56], RENFROW [36.92, -97.66]				
	09/13/08 09:00 CST		0	Flood (due to Heavy Rain)
	09/13/08 12:00 CST		0	Source: Law Enforcement
The county sheriff reported that numerous roads remained closed due to overnight and early morning heavy rainfall.				
<p>A prolonged area of southwest flow aloft developed over much of Oklahoma during the period from the 10th through the 12th. Numerous upper level disturbances moving through the flow, as well as a very moist air mass allowed for several rounds of showers and thunderstorms to develop and move northeast, much of the time moving over the same areas. Moisture associated with the remnants of Tropical Storm Lowell added to the mix, with an added depth of moisture that only made the situation worse. Rainfall rates of one to one-and-a-half inches were common, with some areas receiving near three inch per hour rates. Widespread flooding was reported over a large portion of northern Oklahoma. Numerous homes and business' were flooded. At least a half to two-thirds of the roadways from Woodward to Kay county were closed at some point during the event. Numerous roadways were damaged, with at least 125 miles of roadway damaged in Alfalfa county alone. Half of the roadways in Pond Creek and Lamont were damaged, and 40 percent of the bridges were damaged. Numerous rounds of the precipitation allowed for widespread river flooding as well. The Chikaskia River reached its highest level ever recorded. This caused several homes to be destroyed. In all, 20 homes were completely destroyed, 14 homes sustained major damage, 52 homes sustained minor damage, and 96 homes sustained at least some damage. Damage totals for the event reached over \$8 million.</p>				
CUSTER COUNTY --- 3.0 NNE CLINTON [35.55, -98.95]				
	09/11/08 19:35 CST		0	Tornado (EF0, L: 0.50 mi , W: 40 yd)
	09/11/08 19:36 CST		0	Source: Emergency Manager
A brief tornado struck near the intersection of roads E1010 and N2270, to the northwest of Clinton Regional Airport. One utility pole was damaged. One residence was damaged and lost half of its roof, and the roof on a mobile home was damaged. One chicken coop was destroyed and all the livestock inside killed. Monetary damages were unavailable.				
KAY COUNTY --- 1.0 E TONKAWA [36.68, -97.29]				
	09/12/08 02:05 CST		0	Tornado (EF0, L: 0.30 mi , W: 25 yd)
	09/12/08 02:05 CST		0	Source: Emergency Manager

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A brief tornado developed on the east side of Tonkawa. The most significant damage occurred to an open air carport that was destroyed and thrown 200 yards from the residence it was attached to. Other minor damage was reported to trees and a couple of roofs. Monetary damages were unavailable.

A prolonged area of southwest flow developed over much of Oklahoma during the period from the 10th through the 12th. Numerous disturbances moving through the flow allowed for widespread showers and thunderstorms to develop and move northeast over the area. Also, moisture associated with remnant Tropical Storm Lowell moved over western and northern Oklahoma. Although winds at most locations were nearly calm during the event, enough wind shear was in place for very small, short-lived circulations to develop. Two areas of damage were reported with brief tornadoes, one near the Clinton airport in Custer county, and the other in Tonkawa in Kay county. The damage was relatively minor, with tree and roof damage reported. Several chickens were killed when their chicken coop was destroyed. Monetary damages were estimated.