

Storm Data and Unusual Weather Phenomena - September 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OKLAHOMA, Western, Central and Southeast				
BECKHAM COUNTY --- 5.0 W SWEETWATER [35.42, -100.00]				
	09/01/10 15:45 CST		0	Hail (0.75 in)
	09/01/10 15:45 CST		0	Source: Public
MAJOR COUNTY --- MENO [36.39, -98.18]				
	09/01/10 16:08 CST		0	Hail (1.00 in)
	09/01/10 16:08 CST		0	Source: Public
BECKHAM COUNTY --- 4.0 ESE ERICK [35.19, -99.80]				
	09/01/10 16:30 CST		0	Thunderstorm Wind (MG 56 kt)
	09/01/10 16:30 CST		0	Source: Mesonet
GREER COUNTY --- 15.0 NNW REED [35.10, -99.80]				
	09/01/10 16:48 CST		1K	Thunderstorm Wind (EG 56 kt)
	09/01/10 16:49 CST		0	Source: Public
Several large tree limbs were downed. Monetary damages were estimated.				
MAJOR COUNTY --- AMES [36.25, -98.19]				
	09/01/10 16:50 CST		0	Hail (1.00 in)
	09/01/10 16:50 CST		0	Source: Public
BECKHAM COUNTY --- 3.0 S ELK CITY [35.37, -99.42]				
	09/01/10 17:10 CST		8K	Thunderstorm Wind (EG 56 kt)
	09/01/10 17:11 CST		0	Source: Fire Department/Rescue
Power poles and associated power lines were downed along Highway 6. Monetary damages were estimated.				
TILLMAN COUNTY --- 3.0 SE FREDERICK ARPT [34.32, -98.94]				
	09/01/10 20:00 CST		0	Thunderstorm Wind (MG 51 kt)
	09/01/10 20:00 CST		0	Source: ASOS
<p>A small, but potent mid level disturbance moved toward Oklahoma from southwest Texas. Thunderstorms had developed ahead of the disturbance, causing heavy rainfall over southern Oklahoma. Strong heating during the afternoon, combined with an unseasonably moist air mass and several outflow boundaries yielded additional thunderstorms. Enough instability was in place for some of the storms to become severe. Strong to severe thunderstorms developed from western into north central Oklahoma, with several of the storms producing winds near or above 60 mph. The strong winds caused minor damage, with tree limbs downed south of Elk City. Marginally severe hail was also reported.</p>				
LOGAN COUNTY --- GUTHRIE [35.88, -97.42]				
	09/02/10 17:05 CST		2K	Thunderstorm Wind (EG 52 kt)
	09/02/10 17:06 CST		0	Source: Emergency Manager
Several tree limbs were downed around town. Monetary damages were estimated.				
OKLAHOMA COUNTY --- 5.6 W EDMOND [35.65, -97.58], 3.4 N (PWA)WILEY POST APT [35.58, -97.66]				
	09/02/10 17:15 CST		2.50M	Thunderstorm Wind (EG 65 kt)
	09/02/10 17:25 CST		0	Source: Trained Spotter
<p>Widespread damage was reported between Council Road and MacArthur Avenue, and between NW 150th and Hefner Road. Thousands of tree limbs were blown down. A roof at a nursing home was partially removed. A large portion of the roof at James L. Dennis Elementary school was also removed. Dozens of fences were blown down. At least five large power poles were snapped, with several other smaller poles/lines downed. A couple of highway signs were also blown over along the Kilpatrick Turnpike. The peak wind gust was estimated at 75 mph, with several other gusts over 60 mph. Monetary damage estimates were not available.</p>				
OKLAHOMA COUNTY --- (PWA)WILEY POST APT [35.53, -97.65]				

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	09/02/10 17:34 CST		0	Thunderstorm Wind (MG 50 kt)
	09/02/10 17:35 CST		0	Source: ASOS
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OKLAHOMA COUNTY --- 2.0 NE WARR ACRES [35.54, -97.59]				
	09/02/10 17:35 CST		0	Thunderstorm Wind (EG 52 kt)
	09/02/10 17:36 CST		0	Source: NWS Employee
The wind gust was reported at Northwest Expressway and Meridian Avenue.				
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KIOWA COUNTY --- 3.0 SE HOBART [35.00, -99.06]				
	09/02/10 17:46 CST		0	Thunderstorm Wind (MG 52 kt)
	09/02/10 17:46 CST		0	Source: ASOS
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KIOWA COUNTY --- 3.0 SE HOBART [35.00, -99.06]				
	09/02/10 17:56 CST		0	Thunderstorm Wind (MG 52 kt)
	09/02/10 17:56 CST		0	Source: ASOS
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KIOWA COUNTY --- 4.0 SE HOBART [34.99, -99.05]				
	09/02/10 18:00 CST		0	Thunderstorm Wind (MG 51 kt)
	09/02/10 18:00 CST		0	Source: Mesonet
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CLEVELAND COUNTY --- 3.0 WNW MOORE [35.36, -97.54]				
	09/02/10 18:04 CST		0	Thunderstorm Wind (EG 52 kt)
	09/02/10 18:04 CST		0	Source: Storm Chaser
The wind gust was reported near SW 104th Street and Western Avenue.				
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CADDO COUNTY --- 2.0 W CYRIL [34.90, -98.24]				
	09/02/10 18:27 CST		0	Thunderstorm Wind (MG 52 kt)
	09/02/10 18:27 CST		0	Source: Amateur Radio
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JACKSON COUNTY --- 3.0 S ALTUS [34.60, -99.33]				
	09/02/10 18:30 CST		0	Thunderstorm Wind (MG 53 kt)
	09/02/10 18:30 CST		0	Source: Mesonet
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CADDO COUNTY --- 4.0 ENE APACHE [34.91, -98.29]				
	09/02/10 18:35 CST		0	Thunderstorm Wind (MG 50 kt)
	09/02/10 18:35 CST		0	Source: Mesonet
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CLEVELAND COUNTY --- 1.6 WNW (OUN)NORMAN WESTHEIMER ARPT [35.26, -97.49]				
	09/02/10 18:45 CST		1K	Thunderstorm Wind (EG 56 kt)
	09/02/10 18:46 CST		0	Source: Public
An 8-inch diameter tree, 15 to 20 feet tall, was blown down near Tecumseh Road and NW 36th Street. Monetary damages were estimated.				
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COMANCHE COUNTY --- 7.0 N LAWTON [34.71, -98.39]				
	09/02/10 18:55 CST		0	Hail (1.00 in)
	09/02/10 18:55 CST		0	Source: Amateur Radio
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GRADY COUNTY --- 4.0 WNW RUSH SPRINGS [34.80, -98.03]				
	09/02/10 18:55 CST		0	Thunderstorm Wind (MG 58 kt)
	09/02/10 18:55 CST		0	Source: Mesonet
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COMANCHE COUNTY --- 5.0 N LAWTON [34.68, -98.39]				
	09/02/10 18:58 CST		0	Hail (1.00 in)
	09/02/10 18:59 CST		0	Source: Amateur Radio
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COMANCHE COUNTY --- 1.9 N LAWTON [34.64, -98.39]				

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	09/02/10 19:09 CST		0	Hail (1.00 in)
	09/02/10 19:10 CST		0	Source: Amateur Radio

The hail was reported near I-44 and Rogers Lane.

COMANCHE COUNTY --- 3.0 S LAWTON [34.57, -98.39]

	09/02/10 19:13 CST		0	Thunderstorm Wind (MG 53 kt)
	09/02/10 19:13 CST		0	Source: ASOS

COMANCHE COUNTY --- 2.8 SSW LAWTON [34.57, -98.41]

	09/02/10 19:17 CST		0	Hail (1.00 in)
	09/02/10 19:18 CST		0	Source: Amateur Radio

The hail was reported on the north side of the Lawton/Ft. Sill Regional Airport.

A line of thunderstorms developed ahead of a strong cold front and very quickly became severe with very strong winds and marginally severe hail. Wind gusts in excess of 70 mph were reported over the northwest portion of Oklahoma City, causing quite a bit of damage. The squall line continued toward the Red River, and then moving into northern Texas by mid evening.

BRYAN COUNTY --- COLBERT [33.86, -96.50]

	09/08/10 13:05 CST		0	Tornado (EF1, L: 0.10 mi , W: 25 yd)
	09/08/10 13:05 CST	1	0	Source: Emergency Manager

A brief tornado damaged two homes and overturned two trucks on Highway 69. One of the drivers sustained minor injuries while in his truck. Fifteen steel transmission lines were also downed. At least 1000 people were without power due to the damage. Monetary damage estimates were not available.

CARTER COUNTY --- 4.0 NW LONE GROVE [34.22, -97.31]

	09/08/10 18:00 CST		20K	Tornado (EF0, L: 0.10 mi , W: 25 yd)
	09/08/10 18:00 CST		0	Source: Emergency Manager

Photographic evidence and radar data suggests a tornado developed between Prairie Valley and Rolling Hills Roads. Two homes sustained minor damage.

LOVE COUNTY --- 6.0 S MARIETTA [33.85, -97.12]

	09/08/10 19:15 CST		0	Tornado (EF0, L: 0.10 mi , W: 10 yd)
	09/08/10 19:15 CST		0	Source: Emergency Manager

A brief tornado occurred with no damage reported.

MCCLAIN COUNTY --- 3.6 SW PAYNE [34.87, -97.57], 3.0 SW PAYNE [34.88, -97.57], 4.8 WSW PAYNE [34.87, -97.60], 5.6 SW PAYNE [34.86, -97.60]

	09/08/10 19:45 CST		0	Flash Flood (due to Heavy Rain)
	09/08/10 21:30 CST		0	Source: Law Enforcement

Water was over County Line Road, a half of a mile west of Meridian Avenue. Other county roads also had water running over top of them. The roadways had to be closed for a few hours.

MCCLAIN COUNTY --- 3.1 SW PURCELL [34.98, -97.41], 5.4 SW PURCELL [34.96, -97.44], 5.1 SSW PURCELL [34.94, -97.41], 2.3 SSW PURCELL [34.98, -97.39]

	09/08/10 20:00 CST		0	Flash Flood (due to Heavy Rain)
	09/08/10 21:30 CST		0	Source: Law Enforcement

Water was over the 180th Street, west of Highway 174. Other county roads also had to be closed due to water running over top of them.

The remnants of Tropical Storm Hermine moved north into southern and central Oklahoma, bringing with it heavy rain and three tornadoes. The most significant impact with this storm came from three tornadoes. The most significant tornado occurred near Colbert in Bryan County. Two homes sustained moderate damage and two trucks were overturned. One of the drivers sustained minor injuries while in the truck.

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House Damage near Colbert, OK. Photo courtesy of Pete Covey.

KAY COUNTY --- 1.7 NNW BRAMAN [36.94, -97.35], 1.1 W BRAMAN [36.92, -97.35]

09/10/10 20:30 CST	3K	Thunderstorm Wind (EG 56 kt)
09/10/10 20:32 CST	0	Source: Trained Spotter

A pickup truck overturned on I-35 just south of Braman due to the strong winds. A child received minor injuries as a result of the accident. Monetary damages were estimated.

Thunderstorms developed along a cold front that moved into north-central Oklahoma. The most intense storms produced very strong winds, just inside the Oklahoma border near Braman. A pick-up truck was blown off of a I-35, causing 1 injury. No other damage was reported.

CLEVELAND COUNTY --- 8.8 SSE LAKE THUNDERBIRD DAM [35.10, -97.17], 7.9 E SLAUGHTERVILLE [35.10, -97.19], 5.3 SSE LAKE THUNDERBIRD DAM [35.15, -97.18], 5.7 SE LAKE THUNDERBIRD DAM [35.15, -97.16]

09/13/10 12:15 CST	0	Flash Flood (due to Heavy Rain)
09/13/10 14:15 CST	0	Source: Fire Department/Rescue

Water was reported over 180th Street, between Banner and Slaughterville Roads, and over Maguire Road.

ROGER MILLS COUNTY --- 3.0 SW DURHAM [35.81, -99.96]

09/13/10 15:00 CST	0	Thunderstorm Wind (EG 52 kt)
09/13/10 15:00 CST	0	Source: Public

Storm Data and Unusual Weather Phenomena - September 2010

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No damage was reported with the wind gust.				
GARFIELD COUNTY --- 4.0 SSE WAUKOMIS [36.23, -97.87]				
	09/13/10 15:40 CST		4K	Thunderstorm Wind (EG 56 kt)
	09/13/10 15:41 CST		0	Source: Emergency Manager
A small shed was blown approximately 200 yards. Minor roof damage was also reported at the residence. Monetary damages were estimated.				
BECKHAM COUNTY --- 5.3 SW CARTER [35.17, -99.57]				
	09/13/10 17:45 CST		0	Thunderstorm Wind (EG 61 kt)
	09/13/10 17:45 CST		0	Source: Public
Nickel-size hail was also reported with the wind gust. No damage was reported with the wind gust.				
BECKHAM COUNTY --- 5.3 SW CARTER [35.17, -99.57]				
	09/13/10 17:45 CST		0	Hail (0.88 in)
	09/13/10 17:46 CST		0	Source: Public
A wind gust to 70 mph was also reported with the hail.				
<p>Thunderstorms developed during the morning hours, with some flooding reported over parts of Cleveland county. A couple of highways had to be closed near Etowah due to high water, but were opened back up a few hours later. Later that afternoon, strong heating, a very moist air mass, and support from a weak eastward moving mid-level disturbance contributed to the development of additional thunderstorms over Oklahoma. These slow-moving thunderstorms produced very heavy rain and gusty winds. Most of the gusts reported were less than 50 mph. However, a few gusts exceeded severe limits, with gusts of 60 to 70 mph reported. Minor damage was reported in Garfield county. The thunderstorms decreased in intensity and coverage with the loss of daytime heating.</p>				
HARPER COUNTY --- 4.0 N SELMAN [36.86, -99.49]				
	09/14/10 17:57 CST		2K	Thunderstorm Wind (EG 56 kt)
	09/14/10 17:58 CST		0	Source: Fire Department/Rescue
A power pole was snapped near County Road 198 and Highway 64. Monetary damages were estimated.				
<p>A severe thunderstorm developed along a weak outflow boundary that was draped across Harper county. The winds from the thunderstorm snapped a power pole. No other damage was reported.</p>				
ALFALFA COUNTY --- CARMEN [36.58, -98.46]				
	09/15/10 17:15 CST		0	Hail (1.75 in)
	09/15/10 17:15 CST		0	Source: Public
ROGER MILLS COUNTY --- 6.0 NW REYDON [35.71, -100.00]				
	09/15/10 17:35 CST		0	Hail (1.00 in)
	09/15/10 17:35 CST		0	Source: Public
MAJOR COUNTY --- 4.7 NW RINGWOOD [36.43, -98.30]				
	09/15/10 18:00 CST		0	Hail (2.75 in)
	09/15/10 18:00 CST		0	Source: Broadcast Media
The hail was reported by KWTW-9.				
MAJOR COUNTY --- MENO [36.39, -98.18]				
	09/15/10 18:25 CST		0	Hail (1.00 in)
	09/15/10 18:25 CST		0	Source: Public
MAJOR COUNTY --- RINGWOOD [36.38, -98.25]				
	09/15/10 18:28 CST		0	Hail (1.75 in)
	09/15/10 18:28 CST		0	Source: Public
The hail was reported along Highway 58.				
MAJOR COUNTY --- 1.0 SSW ORIENTA [36.35, -98.48]				

Storm Data and Unusual Weather Phenomena - September 2010

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	09/15/10 18:33 CST		0	Hail (1.00 in)
	09/15/10 18:33 CST		0	Source: Public
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BECKHAM COUNTY --- 4.0 W SWEETWATER [35.42, -99.98]				
	09/15/10 18:45 CST		0	Hail (1.75 in)
	09/15/10 18:45 CST		0	Source: Public
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GARFIELD COUNTY --- DRUMMOND [36.30, -98.04]				
	09/15/10 19:00 CST		0	Thunderstorm Wind (EG 61 kt)
	09/15/10 19:00 CST		0	Source: Emergency Manager
No damage was reported with the wind gust.				
<p>A plume of warm and very moist air moved north and west over Oklahoma. A strong cap had developed over the panhandles and into western Oklahoma. However, a strong mid-level wave arrived during the peak heating hours, allowing for enough erosion of the cap for widespread thunderstorms to develop from west-central into north-central Oklahoma. Many of the thunderstorms became severe, and large hail, up to golf-ball size, was reported over several areas, with one strong wind gust reported.</p>				
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WOODWARD COUNTY --- 3.1 WSW TANGIER [36.40, -99.58]				
	09/16/10 15:13 CST		0	Hail (1.00 in)
	09/16/10 15:13 CST		0	Source: Emergency Manager
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WOODWARD COUNTY --- WOODWARD [36.43, -99.39]				
	09/16/10 15:35 CST		0	Hail (1.75 in)
	09/16/10 15:37 CST		0	Source: Amateur Radio
Up to golf ball-size hail was reported over the southern half of Woodward, mainly south of Highway 412.				
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WOODWARD COUNTY --- 0.5 S WOODWARD [36.42, -99.39]				
	09/16/10 15:42 CST		0	Hail (2.50 in)
	09/16/10 15:49 CST		0	Source: Emergency Manager
Hail up to ping-pong size was reported for several minutes near the intersection of Highways 34 and 270.				
Thunderstorms developed over western Oklahoma, and large hail was reported near Woodward.				
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TEXAS, Western North				
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WICHITA COUNTY --- 3.5 NW WICHITA FALLS [33.95, -98.53]				
	09/02/10 20:11 CST		1K	Thunderstorm Wind (MG 66 kt)
	09/02/10 20:11 CST		0	Source: Amateur Radio
The wind gust was reported near the intersection of US Highway 287 and Loop 11. Small tree limbs, mostly less than 2 inches in diameter, were downed around town. Monetary damages were estimated.				
<p>A squall line developed over Oklahoma and continued south across the Red River. A severe wind gust well over 70 mph was reported near Wichita Falls, although there was no damage reported. No other severe weather was reported.</p>				
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KNOX COUNTY --- 3.0 NW KNOX CITY [33.45, -99.86]				
	09/16/10 20:25 CST		0	Thunderstorm Wind (MG 61 kt)
	09/16/10 20:25 CST		0	Source: Mesonet
A line of thunderstorms moved south and southeast through southern Knox county. A wind gust to 70 mph was reported near Knox City, with no damage reported.				