

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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OKLAHOMA, Western, Central and Southeast

(OK-Z004) HARPER, (OK-Z005) WOODS, (OK-Z006) ALFALFA, (OK-Z007) GRANT, (OK-Z009) ELLIS, (OK-Z010) WOODWARD, (OK-Z011) MAJOR, (OK-Z012) GARFIELD, (OK-Z013) NOBLE, (OK-Z014) ROGER MILLS, (OK-Z015) DEWEY, (OK-Z016) CUSTER, (OK-Z017) BLAINE, (OK-Z018) KINGFISHER, (OK-Z019) LOGAN, (OK-Z020) PAYNE, (OK-Z021) BECKHAM, (OK-Z022) WASHITA, (OK-Z023) CADDO, (OK-Z024) CANADIAN, (OK-Z025) OKLAHOMA, (OK-Z026) LINCOLN, (OK-Z027) GRADY, (OK-Z028) MCCLAIN, (OK-Z029) CLEVELAND, (OK-Z030) POTTAWATOMIE, (OK-Z031) SEMINOLE, (OK-Z033) HARMON, (OK-Z035) KIOWA, (OK-Z036) JACKSON, (OK-Z037) TILLMAN, (OK-Z038) COMANCHE, (OK-Z039) STEPHENS, (OK-Z040) GARVIN, (OK-Z041) MURRAY, (OK-Z042) PONTOTOC, (OK-Z043) COAL, (OK-Z044) COTTON, (OK-Z045) JEFFERSON, (OK-Z046) CARTER, (OK-Z047) JOHNSTON, (OK-Z048) ATOKA, (OK-Z050) LOVE, (OK-Z051) MARSHALL, (OK-Z052) BRYAN				
	05/01/11 00:00 CST		0	Drought
	05/31/11 23:59 CST		0	

The severe drought continued over the western two-thirds of Oklahoma during the month of May. By this time, farmers were beginning to think about what they could salvage with their winter wheat crop. Even though wheat prices were high, the yield over much of Oklahoma was small. Precipitation-wise, most of the region remained below normal. Even those that did get it were hampered by periods of hail and wind, and a few tornadoes.

BRYAN COUNTY --- ACHILLE [33.83, -96.39], COLBERT [33.86, -96.50]				
	05/01/11 05:30 CST		0	Thunderstorm Wind (EG 56 kt)
	05/01/11 05:40 CST		0	Source: Emergency Manager

Wind damage, in the form of a few downed trees and power lines, occurred between Achille and Colbert, south toward the Red River. The worst of the damage occurred near the intersection of River and Chickasaw roads. Monetary damage estimates were not available.

BRYAN COUNTY --- 1.3 WSW ROBERTA [33.92, -96.32]				
	05/01/11 05:50 CST		0	Thunderstorm Wind (MG 65 kt)
	05/01/11 05:50 CST		0	Source: Mesonet

The gust was measured at the Durant mesonet.

STEPHENS COUNTY --- 5.8 NW DUNCAN [34.56, -98.03]				
	05/01/11 08:15 CST		0	Hail (1.00 in)
	05/01/11 08:15 CST		0	Source: Amateur Radio

BRYAN COUNTY --- 4.3 NNE DURANT EAKER ARPT [33.99, -96.38]				
	05/01/11 11:50 CST		0	Hail (1.00 in)
	05/01/11 11:50 CST		0	Source: Law Enforcement

A stationary front lying over north-central Texas divided rich, humid air to the south from cooler and drier conditions to the north. Moisture streamed over the front ahead of an upper level trough that was moving east from New Mexico. Scattered showers and thunderstorms developed over southeast Oklahoma before sunrise. An unstable air-mass resulted in many of the storms becoming severe, with marginally severe winds and hail.

CADDO COUNTY --- 5.0 S ANADARKO [35.01, -98.24]				
	05/08/11 16:50 CST		0	Hail (0.88 in)
	05/08/11 16:50 CST		0	Source: Amateur Radio

COMANCHE COUNTY --- 4.0 SW LAWTON [34.57, -98.44]				
	05/08/11 17:07 CST		0	Hail (0.88 in)
	05/08/11 17:07 CST		0	Source: Amateur Radio

COMANCHE COUNTY --- 5.9 W LAWTON [34.59, -98.49]				
	05/08/11 17:13 CST		0	Hail (1.00 in)
	05/08/11 17:13 CST		0	Source: Trained Spotter

The hail was reported near 82nd Street and Lee Boulevard.

CARTER COUNTY --- 7.0 WNW ARDMORE [34.21, -97.25]				
	05/08/11 20:15 CST		0	Thunderstorm Wind (MG 51 kt)
	05/08/11 20:15 CST		0	Source: Mesonet

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(OK-Z047) JOHNSTON				
	05/08/11 21:25 CST		0	High Wind (MAX 56 kt)
	05/08/11 21:40 CST		0	
<p>Thunderstorms developed east of a dry line that was located over parts of western Oklahoma during the afternoon of the 8th. Temperatures soared to over 100 degrees over the western third of Oklahoma, which helped to erode a stout cap that was in place. A shortwave moving east from western Texas aided in the development of thunderstorms. Marginally severe hail to quarter-size was reported near Lawton.</p>				
BECKHAM COUNTY --- ERICK [35.21, -99.87]				
	05/11/11 06:30 CST		0	Hail (0.75 in)
	05/11/11 06:30 CST		0	Source: Emergency Manager
ROGER MILLS COUNTY --- CRAWFORD [35.83, -99.80]				
	05/11/11 06:30 CST		0	Hail (0.75 in)
	05/11/11 06:30 CST		0	Source: Public
JEFFERSON COUNTY --- TERRAL [33.90, -97.94]				
	05/11/11 12:30 CST		0	Thunderstorm Wind (EG 52 kt)
	05/11/11 12:30 CST		0	Source: Public
<p>No damage was reported with the wind gust.</p>				
STEPHENS COUNTY --- 6.0 SE BRAY [34.58, -97.75]				
	05/11/11 13:20 CST		0	Thunderstorm Wind (EG 52 kt)
	05/11/11 13:20 CST		0	Source: Public
<p>No damage was reported with the wind gust.</p>				
CARTER COUNTY --- 4.0 ENE ARDMORE [34.19, -97.08]				
	05/11/11 13:40 CST		0	Thunderstorm Wind (MG 50 kt)
	05/11/11 13:40 CST		0	Source: Mesonet
MURRAY COUNTY --- 1.0 E DAVIS [34.50, -97.10]				
	05/11/11 13:52 CST		11K	Thunderstorm Wind (EG 52 kt)
	05/11/11 13:52 CST		0	Source: Amateur Radio
<p>A roof was taken off of a large metal shop building, with overhead doors on the east and west sides. Pieces of the roof landed on Highway 7, with local authorities having to briefly reroute traffic. The building was located near US Highway 7 and State Highway 110. No injuries were reported. Monetary damages were estimated.</p>				
MURRAY COUNTY --- 4.0 NNE SULPHUR [34.56, -96.94]				
	05/11/11 14:00 CST		0	Thunderstorm Wind (MG 56 kt)
	05/11/11 14:00 CST		0	Source: Mesonet
BRYAN COUNTY --- CARTWRIGHT [33.85, -96.56]				
	05/11/11 14:10 CST		2K	Thunderstorm Wind (EG 52 kt)
	05/11/11 14:10 CST		0	Source: Post Office
<p>Several tree limbs were downed by the strong winds. Monetary damages were estimated.</p>				
KAY COUNTY --- 8.0 E NEWKIRK [36.88, -96.92]				
	05/11/11 14:10 CST		0	Thunderstorm Wind (MG 53 kt)
	05/11/11 14:10 CST		0	Source: Mesonet
KAY COUNTY --- 8.0 E NEWKIRK [36.88, -96.92]				
	05/11/11 14:15 CST		0	Thunderstorm Wind (MG 54 kt)
	05/11/11 14:15 CST		0	Source: Mesonet

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OKLAHOMA COUNTY --- 3.0 N THE VILLAGE [35.61, -97.56]				
	05/11/11 14:15 CST		0	Hail (0.75 in)
	05/11/11 14:15 CST		0	Source: Public
The was reported near the Quail Springs Mall.				
KAY COUNTY --- 7.0 SSE HARDY [36.88, -96.75]				
	05/11/11 14:16 CST		0	Hail (0.88 in)
	05/11/11 14:16 CST		0	Source: Public
CANADIAN COUNTY --- 3.6 SE YUKON [35.46, -97.70], 21.3 SE MUSTANG [35.14, -97.51], 18.4 ESE MUSTANG [35.30, -97.41], 15.5 ENE PIEDMONT [35.70, -97.48]				
	05/11/11 14:25 CST		0	Flood (due to Heavy Rain)
	05/11/11 14:25 CST		0	Source: Storm Chaser
Several areas around the Oklahoma City metro reported several inches of water over the roadways due to one to two inches of rainfall falling in about an hour. The water quickly receded after the rain ended.				
OKLAHOMA COUNTY --- 2.9 NNE THE VILLAGE [35.61, -97.53], 2.2 ENE THE VILLAGE [35.58, -97.51]				
	05/11/11 14:30 CST		0	Thunderstorm Wind (EG 56 kt)
	05/11/11 14:40 CST		0	Source: Broadcast Media
Shingles were blown off a roof and several 3-4 inch diameter tree limbs were downed near the intersection of Memorial Road and Western Avenue. An apartment complex also lost part of its roof several minutes later near the Broadway Extension and and Hefner Road. The report was relayed by KFOR-TV. Monetary damage estimates were not available.				
OKLAHOMA COUNTY --- 0.7 NNE EDMOND [35.66, -97.47]				
	05/11/11 14:40 CST		0	Thunderstorm Wind (EG 52 kt)
	05/11/11 14:40 CST		0	Source: Public
The wind gust occurred on University Drive near the University of Central Oklahoma campus.				
COAL COUNTY --- COALGATE [34.54, -96.22]				
	05/11/11 14:59 CST		0	Thunderstorm Wind (EG 52 kt)
	05/11/11 14:59 CST		0	Source: Public
No damage was reported with the wind gust.				
LINCOLN COUNTY --- 6.0 N CARNEY [35.90, -97.02]				
	05/11/11 15:20 CST		2.50K	Thunderstorm Wind (EG 52 kt)
	05/11/11 15:20 CST		0	Source: Emergency Manager
Severe winds caused guttering to detach from a home, and downed large tree branches. Monetary damages were estimated.				
PAYNE COUNTY --- CUSHING [35.98, -96.76]				
	05/11/11 15:20 CST		0	Thunderstorm Wind (EG 61 kt)
	05/11/11 15:20 CST		0	Source: Emergency Manager
Straight line winds caused minor roof damage in the form of shingles blown off rooftops. Carports were also damaged. Several trees were blown down, along with numerous branches. Four power poles were blown down. The worst of the damage occurred over a two mile long and a half mile wide path. This included the northern portion of Cushing. Monetary damage estimates were not available.				
PAYNE COUNTY --- 2.0 NW GLENCOE [36.25, -96.96]				
	05/11/11 15:30 CST		0	Thunderstorm Wind (EG 52 kt)
	05/11/11 15:30 CST		0	Source: Public
No damage was reported with the wind gust.				
PAYNE COUNTY --- YALE [36.11, -96.70]				
	05/11/11 15:43 CST		0	Thunderstorm Wind (MG 52 kt)
	05/11/11 15:43 CST		0	Source: COOP Observer

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(OK-Z012) GARFIELD				
	05/11/11 16:10 CST	0		High Wind (MAX 50 kt)
	05/11/11 16:10 CST	0		
<p>A powerful storm system moved through the inter-mountain west toward the southern Plains late on the 10th and into the 11th. Thunderstorms developed very early over eastern New Mexico/West Texas, as a lead disturbance rotated around main storm system. The storms moved northeast, impacting western Oklahoma with some marginally severe winds and small hail. Another disturbance fired off thunderstorms further south into northern Texas later into the early afternoon, with the storms expanding as they moved north-northeast into Oklahoma. High winds caused damage from south-central into northern Oklahoma, with most of the damage confined to downed tree limbs, although some of the stronger gusts were able to cause roof damage and down trees. The thunderstorms moved into eastern Oklahoma by early evening.</p>				
GARVIN COUNTY --- PAULS VALLEY [34.74, -97.22]				
	05/12/11 14:45 CST	0		Hail (0.88 in)
	05/12/11 14:45 CST	0		Source: Public
POTTAWATOMIE COUNTY --- 2.0 W EARLSBORO [35.27, -96.84]				
	05/12/11 16:07 CST	0		Hail (0.75 in)
	05/12/11 16:15 CST	0		Source: Public
POTTAWATOMIE COUNTY --- 2.6 ESE SHAWNEE [35.31, -96.88]				
	05/12/11 16:11 CST	0		Hail (0.88 in)
	05/12/11 16:11 CST	0		Source: Emergency Manager
<p>The hail was reported 3 miles east of Highway 177.</p>				
POTTAWATOMIE COUNTY --- 4.3 N EARLSBORO [35.33, -96.79]				
	05/12/11 16:35 CST	0		Hail (1.00 in)
	05/12/11 16:35 CST	0		Source: Emergency Manager
<p>The hail was reported near the intersection of Highways 3E and 99A.</p>				
LINCOLN COUNTY --- PRAGUE [35.49, -96.69]				
	05/12/11 16:36 CST	0		Hail (1.00 in)
	05/12/11 16:36 CST	0		Source: Emergency Manager
SEMINOLE COUNTY --- 3.3 NW LITTLE [35.38, -96.71]				
	05/12/11 16:40 CST	0		Hail (1.00 in)
	05/12/11 16:40 CST	0		Source: Trained Spotter
<p>The hail occurred near exit 198 off of Interstate 40. The report was relayed by Weather Affirmation.</p>				
MCCLAIN COUNTY --- BYARS [34.87, -97.05]				
	05/12/11 16:44 CST	0		Hail (1.00 in)
	05/12/11 16:44 CST	0		Source: Public
GARVIN COUNTY --- 5.0 NE PAULS VALLEY [34.79, -97.16]				
	05/12/11 16:59 CST	0		Hail (1.25 in)
	05/12/11 16:59 CST	0		Source: Trained Spotter
SEMINOLE COUNTY --- 1.0 N SEMINOLE [35.24, -96.68]				
	05/12/11 17:45 CST	0		Hail (1.00 in)
	05/12/11 17:45 CST	0		Source: Emergency Manager
<p>The hail was reported a half of a mile west, and a quarter mile south of Highways 9 and 99.</p>				
HUGHES COUNTY --- GERTY [34.84, -96.29]				
	05/12/11 18:32 CST	0		Hail (1.50 in)
	05/12/11 18:32 CST	0		Source: Public

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PONTOTOC COUNTY --- 2.0 N STONEWALL [34.68, -96.53]				
	05/12/11 18:43 CST	0		Hail (1.25 in)
	05/12/11 18:43 CST	0		Source: Emergency Manager
JOHNSTON COUNTY --- MILL CREEK [34.40, -96.82]				
	05/12/11 19:42 CST	0		Hail (0.88 in)
	05/12/11 19:42 CST	0		Source: Emergency Manager
<p>The same storm system that produced widespread heavy rainfall and sporadic wind damage on the 11th continued to move east through Kansas. The cold front/dry line moved east during the afternoon, lying over the eastern quarter of Oklahoma by peak heating. Thunderstorms developed from central into southeast Oklahoma, with a few of them becoming severe with large hail. The largest hail stones ranged from half-dollar to ping pong ball size, although most of the thunderstorms produced around nickel to quarter size. The storms weakened shortly after sunset.</p>				
BECKHAM COUNTY --- SAYRE [35.30, -99.64]				
	05/19/11 12:20 CST	0		Hail (0.75 in)
	05/19/11 12:20 CST	0		Source: Law Enforcement
BECKHAM COUNTY --- 4.0 N SAYRE [35.36, -99.64]				
	05/19/11 12:35 CST	0		Hail (1.00 in)
	05/19/11 12:35 CST	0		Source: Amateur Radio
JACKSON COUNTY --- 0.2 NW ELDORADO [34.47, -99.65]				
	05/19/11 12:35 CST	0		Hail (2.75 in)
	05/19/11 12:40 CST	0		Source: SHAVE Project
<p>Some of the hail dented automobiles. Some of the wheat fields also sustained some damage. Monetary damage estimates were not available due to lack of specific information.</p>				
JACKSON COUNTY --- ELDORADO [34.47, -99.65]				
	05/19/11 12:40 CST	0		Hail (1.75 in)
	05/19/11 12:40 CST	0		Source: Emergency Manager
ROGER MILLS COUNTY --- 4.0 S HAMMON [35.57, -99.38]				
	05/19/11 13:11 CST	0		Hail (1.75 in)
	05/19/11 13:11 CST	0		Source: Law Enforcement
JACKSON COUNTY --- 4.0 W MARTHA [34.73, -99.46]				
	05/19/11 13:14 CST	0		Hail (1.00 in)
	05/19/11 13:14 CST	0		Source: Emergency Manager
ROGER MILLS COUNTY --- 6.0 S HAMMON [35.54, -99.38]				
	05/19/11 13:15 CST	0		Hail (1.75 in)
	05/19/11 13:15 CST	0		Source: Emergency Manager
CUSTER COUNTY --- 4.0 W BUTLER [35.64, -99.26]				
	05/19/11 13:39 CST	0		Hail (1.50 in)
	05/19/11 13:39 CST	0		Source: Park/Forest Service
JACKSON COUNTY --- 1.0 W DUKE [34.66, -99.59]				
	05/19/11 13:39 CST	0		Hail (1.75 in)
	05/19/11 13:39 CST	0		Source: Emergency Manager
JACKSON COUNTY --- BLAIR [34.78, -99.33]				
	05/19/11 14:13 CST	0		Hail (1.50 in)
	05/19/11 14:13 CST	0		Source: Emergency Manager
WOODS COUNTY --- 9.8 WNW CAMP HOUSTON [36.84, -99.29]				

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	05/19/11 14:38 CST		0	Hail (1.25 in)
	05/19/11 14:38 CST		0	Source: Public
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KIOWA COUNTY --- 2.0 E COLD SPRINGS [34.80, -98.96]				
	05/19/11 15:11 CST		0	Hail (1.75 in)
	05/19/11 15:11 CST		0	Source: Trained Spotter
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KIOWA COUNTY --- 3.0 N COOPERTON [34.91, -98.87]				
	05/19/11 15:39 CST		0	Hail (1.00 in)
	05/19/11 15:39 CST		0	Source: Trained Spotter
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The hail was reported near the junction of Highways 19 and 54.				
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KIOWA COUNTY --- 9.7 ENE COOPERTON [34.91, -98.71]				
	05/19/11 15:49 CST		0	Hail (2.75 in)
	05/19/11 15:49 CST		0	Source: Amateur Radio
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The hail was reported near the junction of Highways 115 and 19.				
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KIOWA COUNTY --- 1.0 N COOPERTON [34.88, -98.87]				
	05/19/11 15:50 CST		0	Tornado (EF0, L: 0.20 mi , W: 20 yd)
	05/19/11 15:50 CST		0	Source: Storm Chaser
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A storm chaser observed and photographed a tornado approximately 1 mile north of Cooperton. No known damage occurred.				
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CADDO COUNTY --- 9.0 NW BOONE [34.99, -98.57]				
	05/19/11 16:10 CST		0	Hail (1.75 in)
	05/19/11 16:10 CST		0	Source: Amateur Radio
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CADDO COUNTY --- 2.0 SE FT COBB [35.08, -98.42]				
	05/19/11 17:09 CST		0	Tornado (EF0, L: 0.20 mi , W: 40 yd)
	05/19/11 17:09 CST		0	Source: NWS Employee
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Two off-duty NWS employees observed a brief tornado southeast of Fort Cobb. No known damage occurred.				
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CADDO COUNTY --- 4.0 NNW FT COBB [35.15, -98.47]				
	05/19/11 17:20 CST		0	Thunderstorm Wind (MG 51 kt)
	05/19/11 17:20 CST		0	Source: Mesonet
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CADDO COUNTY --- 3.0 W APACHE [34.89, -98.41]				
	05/19/11 17:40 CST		0	Tornado (EF0, L: 0.20 mi , W: 20 yd)
	05/19/11 17:40 CST		0	Source: NWS Employee
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An NWS employee observed a small, brief tornado to the west of Apache. No known damage occurred with this tornado.				
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TILLMAN COUNTY --- 1.0 N DAVIDSON [34.25, -99.08]				
	05/19/11 18:25 CST		0	Hail (1.75 in)
	05/19/11 18:25 CST		0	Source: Amateur Radio
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GRADY COUNTY --- 3.0 W TUTTLE [35.29, -97.86]				
	05/19/11 18:50 CST		0	Hail (1.00 in)
	05/19/11 18:50 CST		0	Source: Amateur Radio
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TILLMAN COUNTY --- 6.0 SW FREDERICK [34.33, -99.09]				
	05/19/11 19:25 CST		0	Hail (1.75 in)
	05/19/11 19:25 CST		0	Source: Amateur Radio
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(OK-Z008) KAY, (OK-Z012) GARFIELD, (OK-Z013) NOBLE				

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	05/19/11 19:45 CST		0.10K	High Wind (MAX 60 kt)
	05/19/11 23:55 CST		0	
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COMANCHE COUNTY --- CHATTANOOGA [34.42, -98.65]				
	05/19/11 20:10 CST		0	Hail (2.75 in)
	05/19/11 20:10 CST		0	Source: Amateur Radio
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COMANCHE COUNTY --- 2.0 SE CHATTANOOGA [34.40, -98.63]				
	05/19/11 20:15 CST		20K	Thunderstorm Wind (EG 61 kt)
	05/19/11 20:15 CST		0	Source: Amateur Radio
Fourteen power poles were downed due to the severe wind. Monetary damages were estimated.				
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COMANCHE COUNTY --- LAWTON [34.61, -98.39]				
	05/19/11 20:37 CST		0	Hail (1.00 in)
	05/19/11 20:37 CST		0	Source: Emergency Manager
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COTTON COUNTY --- 12.0 W WALTERS [34.35, -98.52]				
	05/19/11 21:00 CST		15K	Thunderstorm Wind (EG 61 kt)
	05/19/11 21:00 CST		0	Source: Amateur Radio
Ten power poles were downed on Highway 5 due to the severe wind. Monetary damages were estimated.				
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OKLAHOMA COUNTY --- (OKC)WILL ROGERS APT [35.39, -97.60]				
	05/19/11 22:44 CST		0	Thunderstorm Wind (MG 50 kt)
	05/19/11 22:44 CST		0	Source: ASOS
Thunderstorms developed early in the afternoon over western Oklahoma, as the beginning of a very active weather pattern began to unfold. Thunderstorms were present from northwest Oklahoma, south through northern Texas. The thunderstorms over northern Oklahoma dissipated by early evening, with a cluster of thunderstorms continuing south of I-40. Embedded in the cluster were supercells, with many areas of large hail reported. Brief tornadoes occurred over Caddo county, but no damage was reported. Wind damage was reported into the evening as the storms become more linear. Non-thunderstorm severe winds were observed over north-central Oklahoma, due to strong winds mixing down to the surface. Minor tree damage was reported as a result.				
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MARSHALL COUNTY --- 2.1 WSW MCBRIDE [33.92, -96.67]				
	05/20/11 13:55 CST		0	Thunderstorm Wind (EG 56 kt)
	05/20/11 13:55 CST		0	Source: Emergency Manager
Minor roof damage occurred to two buildings. Power lines were also blown down at this location. Monetary damage estimates were not available.				
Thunderstorms developed over northern Texas during the early afternoon hours, moving northeast into southeast Oklahoma. Although heavy rainfall was the main threat, a severe wind gust occurred near Soldier Creek in Marshall county. Power lines were blown down and some minor roof damage was reported.				
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MURRAY COUNTY --- DAVIS [34.50, -97.12]				
	05/21/11 17:30 CST		0	Hail (0.75 in)
	05/21/11 17:30 CST		0	Source: Public
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MURRAY COUNTY --- 2.0 N SULPHUR [34.54, -96.97]				
	05/21/11 18:00 CST		0	Hail (1.75 in)
	05/21/11 18:00 CST		0	Source: Fire Department/Rescue
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MURRAY COUNTY --- 2.0 WNW SULPHUR [34.52, -97.00]				
	05/21/11 18:00 CST		0	Tornado (EF0, L: 0.20 mi , W: 30 yd)
	05/21/11 18:00 CST		0	Source: Storm Chaser
Storm chasers observed a brief tornado near the Chickasaw Turnpike to the west-northwest of Sulphur. This tornado produced no known damage.				
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MURRAY COUNTY --- 1.5 E HICKORY [34.56, -96.83], 2.0 E HICKORY [34.56, -96.82]				
	05/21/11 18:39 CST		0	Tornado (EF0, L: 0.50 mi , W: 500 yd)
	05/21/11 18:40 CST		0	Source: Storm Chaser

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Numerous storm chasers observed a multiple vortex tornado develop east of Hickory and move east-northeast into southeastern Pontotoc County. There was no known damage in Murray County.				
PONTOTOC COUNTY --- 5.0 SSE ROFF [34.56, -96.81], 4.0 SE FITZHUGH [34.63, -96.72]				
	05/21/11 18:40 CST		8K	Tornado (EF1, L: 6.70 mi , W: 880 yd)
	05/21/11 18:53 CST		0	Source: Emergency Manager
This large multiple vortex tornado moved into Pontotoc County from Murray County and moved east-northeast and northeast. The tornado damaged trees and power lines, but no structures were reported to be damaged. Monetary damages were estimated.				
PONTOTOC COUNTY --- 2.0 NW VANOSS [34.78, -96.89]				
	05/21/11 19:18 CST		0	Tornado (EF0, L: 1.00 mi , W: 50 yd)
	05/21/11 19:20 CST		0	Source: Storm Chaser
A number of storm chasers observed a tornado northwest of Vanoss. No known damage occurred.				
PONTOTOC COUNTY --- 2.0 NNE VANOSS [34.79, -96.86]				
	05/21/11 19:29 CST		0	Tornado (EF0, L: 1.00 mi , W: 50 yd)
	05/21/11 19:33 CST		0	Source: Trained Spotter
Spotters and storm chasers observed a relatively brief tornado north-northeast of Vanoss. No known damage occurred.				
PONTOTOC COUNTY --- 4.0 NE VANOSS [34.80, -96.82], 5.0 WNW ADA [34.80, -96.76]				
	05/21/11 19:41 CST		0	Tornado (EF1, L: 3.30 mi , W: 150 yd)
	05/21/11 19:47 CST		0	Source: Emergency Manager
Spotters and storm chasers observed a tornado develop about 0.5 miles northwest of the community of Center which is located to the west-northwest of Ada. The tornado damaged a few homes in Center as it moved generally east. Monetary damage estimates were not available.				
PONTOTOC COUNTY --- 1.0 S BYNG [34.85, -96.67]				
	05/21/11 20:00 CST		0	Hail (2.00 in)
	05/21/11 20:00 CST		0	Source: Fire Department/Rescue
Supercell storms developed from Lincoln county, south into Murray county. The largest and most severe storm moved over Pontotoc county, with several reports of tornadoes. The tornadoes were generally brief, but some damage did occur west of Ada. The thunderstorms moved into eastern Oklahoma by mid evening.				
CARTER COUNTY --- 4.0 S WILSON [34.10, -97.43]				
	05/22/11 16:00 CST		0	Hail (1.75 in)
	05/22/11 16:00 CST		0	Source: Public
CARTER COUNTY --- LONE GROVE [34.18, -97.26]				
	05/22/11 16:13 CST		0	Hail (4.50 in)
	05/22/11 16:17 CST		0	Source: Fire Department/Rescue
Up to 4.50 inch diameter hail was reported in and around Lone Grove. The hail broke several windows out of home and automobiles. Monetary damage estimates were not available.				
LOVE COUNTY --- 12.0 NW MARIETTA [34.06, -97.27]				
	05/22/11 16:13 CST		0	Hail (1.75 in)
	05/22/11 16:13 CST		0	Source: Emergency Manager
CARTER COUNTY --- ARDMORE [34.17, -97.14]				
	05/22/11 16:18 CST		0	Hail (1.75 in)
	05/22/11 16:18 CST		0	Source: Emergency Manager
CARTER COUNTY --- 3.0 SSW SPRINGER [34.27, -97.16]				
	05/22/11 16:23 CST		0	Hail (2.75 in)
	05/22/11 16:23 CST		0	Source: Trained Spotter
CARTER COUNTY --- GENE AUTRY [34.28, -97.04]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/22/11 16:29 CST		0	Hail (2.75 in)
	05/22/11 16:29 CST		0	Source: Emergency Manager
<hr/>				
CARTER COUNTY --- SPRINGER [34.31, -97.14]				
	05/22/11 16:29 CST		0	Hail (2.75 in)
	05/22/11 16:29 CST		0	Source: Emergency Manager
<hr/>				
MURRAY COUNTY --- 8.0 S DAVIS [34.38, -97.12]				
	05/22/11 16:32 CST		0	Hail (1.00 in)
	05/22/11 16:32 CST		0	Source: Emergency Manager
<hr/>				
MURRAY COUNTY --- DOUGHERTY [34.40, -97.05]				
	05/22/11 16:38 CST		0	Hail (2.50 in)
	05/22/11 16:38 CST		0	Source: Emergency Manager
<hr/>				
MURRAY COUNTY --- SULPHUR [34.51, -96.97]				
	05/22/11 16:47 CST		0	Hail (1.75 in)
	05/22/11 16:47 CST		0	Source: Emergency Manager
<hr/>				
PONTOTOC COUNTY --- 3.0 S ADA [34.73, -96.68]				
	05/22/11 17:21 CST		0	Hail (2.50 in)
	05/22/11 17:21 CST		0	Source: Storm Chaser
<hr/>				
PONTOTOC COUNTY --- ADA [34.77, -96.68]				
	05/22/11 17:22 CST		0	Hail (2.75 in)
	05/22/11 17:22 CST		0	Source: Law Enforcement
<hr/>				
PONTOTOC COUNTY --- ALLEN [34.88, -96.41]				
	05/22/11 17:40 CST		0	Hail (0.75 in)
	05/22/11 17:40 CST		0	Source: Law Enforcement
<hr/>				
JEFFERSON COUNTY --- RYAN [34.02, -97.95]				
	05/22/11 17:52 CST		0	Hail (1.00 in)
	05/22/11 17:52 CST		0	Source: Amateur Radio
<hr/>				
JEFFERSON COUNTY --- RYAN [34.02, -97.95]				
	05/22/11 17:55 CST		0	Hail (2.75 in)
	05/22/11 17:55 CST		0	Source: Public
<hr/>				
PONTOTOC COUNTY --- 2.7 ENE ADA [34.78, -96.63]				
	05/22/11 18:03 CST		0	Hail (1.75 in)
	05/22/11 18:03 CST		0	Source: Emergency Manager
<hr/>				
The hail was reported at Valley View Regional Hospital.				
<hr/>				
JEFFERSON COUNTY --- 6.0 E WAURIKA [34.17, -97.89]				
	05/22/11 18:07 CST		2K	Thunderstorm Wind (EG 56 kt)
	05/22/11 18:07 CST		0	Source: Amateur Radio
<hr/>				
A small barn was blown down. Monetary damages were estimated.				
<hr/>				
JEFFERSON COUNTY --- 1.0 N RINGLING [34.19, -97.59]				
	05/22/11 18:15 CST		0	Thunderstorm Wind (MG 53 kt)
	05/22/11 18:15 CST		0	Source: Mesonet
<hr/>				
A wind gust of 57 mph was also measured at 1910 CDT.				
<hr/>				
CARTER COUNTY --- 1.4 S RATLIFF CITY [34.43, -97.51]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/22/11 18:28 CST		0	Thunderstorm Wind (MG 63 kt)
	05/22/11 18:28 CST		0	Source: Law Enforcement
Occurred at the intersection of Highway 76 and Ranch Road.				
<hr/>				
CARTER COUNTY --- 2.0 S RATLIFF CITY [34.42, -97.51]				
	05/22/11 18:28 CST		0	Thunderstorm Wind (MG 63 kt)
	05/22/11 18:28 CST		0	Source: Law Enforcement
The wind gust was measured on Highway 76 near Ranch Road.				
<hr/>				
MURRAY COUNTY --- 2.9 W DAVIS [34.50, -97.17]				
	05/22/11 18:40 CST		0	Hail (1.75 in)
	05/22/11 18:40 CST		0	Source: Public
The hail was reported on Exit 55 of Interstate 35.				
<hr/>				
PONTOTOC COUNTY --- 2.0 SE VANOSS [34.74, -96.85]				
	05/22/11 19:08 CST		0	Hail (1.00 in)
	05/22/11 19:08 CST		0	Source: Amateur Radio
The afternoon of May 22nd was characterized by a sharp dry line which mixed to just east of the I-35 corridor by late afternoon. A cold front surged southward into central Oklahoma during the late afternoon. The dew point temperatures were in the mid 60s and the temperatures were in the low to mid 90s ahead of the two boundaries. This coupled with a stout capping inversion for much of the day allowed for extreme instability to build across much of southern and eastern Oklahoma, and south into northern Texas. Once storms developed in the late afternoon, many of them quickly became severe. Steep lapse rates throughout the atmosphere lead to the threat for very large hail with an attendant threat of damaging winds. The hail sizes reached over four inches near Lone Grove, with golf-ball to baseball size over several other locations.				
<hr/>				
MAJOR COUNTY --- 6.0 S FAIRVIEW [36.18, -98.48]				
	05/23/11 14:49 CST		0	Hail (0.88 in)
	05/23/11 14:49 CST		0	Source: Trained Spotter
<hr/>				
DEWEY COUNTY --- 8.0 SE SEILING [36.07, -98.82]				
	05/23/11 14:55 CST		0	Hail (1.00 in)
	05/23/11 14:55 CST		0	Source: Law Enforcement
<hr/>				
MAJOR COUNTY --- 3.0 S FAIRVIEW [36.23, -98.48]				
	05/23/11 14:55 CST		0	Hail (1.00 in)
	05/23/11 14:55 CST		0	Source: Law Enforcement
<hr/>				
DEWEY COUNTY --- 2.0 S OAKWOOD [35.90, -98.70]				
	05/23/11 15:05 CST		0	Hail (1.00 in)
	05/23/11 15:05 CST		0	Source: Public
<hr/>				
MAJOR COUNTY --- 4.0 N RINGWOOD [36.44, -98.25]				
	05/23/11 15:20 CST		0	Hail (2.50 in)
	05/23/11 15:20 CST		0	Source: Public
<hr/>				
MAJOR COUNTY --- 6.0 NE RINGWOOD [36.44, -98.17]				
	05/23/11 15:24 CST		0	Hail (1.75 in)
	05/23/11 15:24 CST		0	Source: NWS Employee
<hr/>				
MAJOR COUNTY --- 6.0 NE RINGWOOD [36.44, -98.17]				
	05/23/11 15:24 CST		0	Hail (1.75 in)
	05/23/11 15:24 CST		0	Source: NWS Employee
The report was relayed by an off-duty WFO Hastings, Nebraska Employee.				
<hr/>				
WASHITA COUNTY --- 3.0 E SENTINEL [35.16, -99.12]				

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/23/11 15:24 CST		0	Hail (1.00 in)
	05/23/11 15:24 CST		0	Source: Emergency Manager
<hr/>				
BLAINE COUNTY --- 2.2 NW OKEENE [36.14, -98.34], 2.1 NNW OKEENE [36.15, -98.34]				
	05/23/11 15:26 CST		0	Tornado (EF0, L: 0.31 mi , W: 15 yd)
	05/23/11 15:28 CST		0	Source: NWS Employee
Off-duty NWS meteorologists, storm chasers, and local broadcast media confirmed a tornado that lasted 1 to 2 minutes. No known damage occurred.				
<hr/>				
MAJOR COUNTY --- 6.0 N RINGWOOD [36.47, -98.25]				
	05/23/11 15:29 CST		0	Hail (3.00 in)
	05/23/11 15:29 CST		0	Source: NWS Employee
The hail report was relayed by an off-duty NWS Hastings, Nebraska employee.				
<hr/>				
WASHITA COUNTY --- 2.0 W ROCKY [35.16, -99.10]				
	05/23/11 15:33 CST		0	Hail (1.75 in)
	05/23/11 15:33 CST		0	Source: Law Enforcement
<hr/>				
WASHITA COUNTY --- SENTINEL [35.16, -99.17]				
	05/23/11 15:33 CST		0	Hail (1.75 in)
	05/23/11 15:33 CST		0	Source: Law Enforcement
<hr/>				
KAY COUNTY --- BRAMAN [36.92, -97.33]				
	05/23/11 15:35 CST		0	Hail (1.75 in)
	05/23/11 15:35 CST		0	Source: Emergency Manager
<hr/>				
KAY COUNTY --- 5.0 W BRAMAN [36.92, -97.42]				
	05/23/11 15:37 CST		0	Hail (2.00 in)
	05/23/11 15:37 CST		0	Source: Public
<hr/>				
WASHITA COUNTY --- 1.0 N SENTINEL [35.17, -99.17]				
	05/23/11 15:45 CST		0	Hail (1.75 in)
	05/23/11 15:45 CST		0	Source: Public
<hr/>				
JACKSON COUNTY --- ELMER [34.48, -99.35]				
	05/23/11 15:46 CST		0	Hail (1.00 in)
	05/23/11 15:46 CST		0	Source: Broadcast Media
<hr/>				
GARFIELD COUNTY --- ENID [36.40, -97.88]				
	05/23/11 15:54 CST		0	Hail (1.75 in)
	05/23/11 15:54 CST		0	Source: Emergency Manager
<hr/>				
KAY COUNTY --- 4.0 WSW PONCA CITY [36.68, -97.15]				
	05/23/11 16:01 CST		0	Thunderstorm Wind (EG 52 kt)
	05/23/11 16:01 CST		0	Source: Emergency Manager
No damage occurred with the wind gust.				
<hr/>				
KIOWA COUNTY --- 1.0 E GOTEBO [35.07, -98.85]				
	05/23/11 16:13 CST		0	Hail (1.00 in)
	05/23/11 16:13 CST		0	Source: Public
<hr/>				
TILLMAN COUNTY --- TIPTON [34.50, -99.14]				
	05/23/11 16:15 CST		0	Hail (1.00 in)
	05/23/11 16:15 CST		0	Source: Amateur Radio
<hr/>				
KIOWA COUNTY --- 1.0 E GOTEBO [35.07, -98.85]				

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/23/11 16:18 CST		0	Hail (2.50 in)
	05/23/11 16:18 CST		0	Source: Public
<hr/>				
KIOWA COUNTY --- GOTEBO [35.07, -98.87]				
	05/23/11 16:18 CST		0	Hail (1.75 in)
	05/23/11 16:18 CST		0	Source: Public
<hr/>				
GARFIELD COUNTY --- ENID [36.40, -97.88]				
	05/23/11 16:19 CST		0	Hail (1.00 in)
	05/23/11 16:19 CST		0	Source: NWS Employee
<hr/>				
GRANT COUNTY --- 1.0 NNE RENFROW [36.93, -97.65]				
	05/23/11 16:21 CST		0	Hail (1.25 in)
	05/23/11 16:21 CST		0	Source: Public
<hr/>				
KIOWA COUNTY --- 2.0 S GOTEBO [35.04, -98.87]				
	05/23/11 16:24 CST		0	Hail (3.50 in)
	05/23/11 16:24 CST		0	Source: Public
<hr/>				
TILLMAN COUNTY --- MANITOU [34.51, -98.98]				
	05/23/11 16:29 CST		0	Hail (1.00 in)
	05/23/11 16:29 CST		0	Source: Amateur Radio
<hr/>				
KIOWA COUNTY --- 2.0 SE GOTEBO [35.05, -98.84]				
	05/23/11 16:35 CST		0	Hail (3.00 in)
	05/23/11 16:35 CST		0	Source: Public
<hr/>				
TILLMAN COUNTY --- MANITOU [34.51, -98.98]				
	05/23/11 16:40 CST		0	Hail (1.50 in)
	05/23/11 16:40 CST		0	Source: Amateur Radio
<hr/>				
KIOWA COUNTY --- MOUNTAIN VIEW [35.10, -98.75]				
	05/23/11 16:45 CST		0	Hail (1.75 in)
	05/23/11 16:45 CST		0	Source: Law Enforcement
<hr/>				
CADDO COUNTY --- CARNEGIE [35.10, -98.60]				
	05/23/11 17:00 CST		0	Hail (1.00 in)
	05/23/11 17:00 CST		0	Source: Amateur Radio
<hr/>				
CANADIAN COUNTY --- 8.0 W OKARCHE [35.73, -98.12]				
	05/23/11 17:07 CST		0	Hail (1.00 in)
	05/23/11 17:07 CST		0	Source: Emergency Manager
<hr/>				
CADDO COUNTY --- CARNEGIE [35.10, -98.60]				
	05/23/11 17:10 CST		0	Hail (1.75 in)
	05/23/11 17:10 CST		0	Source: Amateur Radio
<hr/>				
KINGFISHER COUNTY --- 8.0 WSW KINGFISHER [35.82, -98.06]				
	05/23/11 17:11 CST		0	Hail (1.00 in)
	05/23/11 17:11 CST		0	Source: Public
<hr/>				
CANADIAN COUNTY --- 8.0 W OKARCHE [35.73, -98.12]				
	05/23/11 17:12 CST		0	Hail (1.75 in)
	05/23/11 17:12 CST		0	Source: Emergency Manager
<hr/>				
CANADIAN COUNTY --- 1.0 SW OKARCHE [35.72, -97.99]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/23/11 17:13 CST		0	Hail (2.50 in)
	05/23/11 17:13 CST		0	Source: Public
<hr/>				
COMANCHE COUNTY --- INDIAHOMA [34.62, -98.75]				
	05/23/11 17:23 CST		0	Hail (1.75 in)
	05/23/11 17:23 CST		0	Source: Amateur Radio
<hr/>				
CADDO COUNTY --- 5.0 S CARNEGIE [35.03, -98.60]				
	05/23/11 17:30 CST		0	Hail (1.00 in)
	05/23/11 17:30 CST		0	Source: Public
<hr/>				
CADDO COUNTY --- 5.0 WNW APACHE [34.92, -98.44]				
	05/23/11 17:30 CST		0	Hail (3.50 in)
	05/23/11 17:30 CST		0	Source: Trained Spotter
<hr/>				
KINGFISHER COUNTY --- 8.0 WNW OKARCHE [35.77, -98.11]				
	05/23/11 17:31 CST		0	Hail (1.75 in)
	05/23/11 17:31 CST		0	Source: Public
<hr/>				
KIOWA COUNTY --- 2.0 N GOTEBO [35.10, -98.87]				
	05/23/11 17:32 CST		0	Hail (6.00 in)
	05/23/11 17:35 CST		0	Source: NWS Employee
<hr/>				
An off-duty NWS meteorologist, working as part of a hail research team reported a six inch diameter hailstone two miles north of Gotebo. The hailstone caused significant damage to one of the team's vehicles. Further investigation and discussion with the Oklahoma State Climatologist confirmed that this hailstone is the largest hailstone on record in Oklahoma.				
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GARFIELD COUNTY --- 2.0 WNW LAHOMA [36.40, -98.12], 1.3 SW LAHOMA [36.38, -98.10], 1.4 E LAHOMA [36.39, -98.07], 1.8 NNE LAHOMA [36.41, -98.07]				
	05/23/11 17:40 CST		0	Flash Flood (due to Heavy Rain)
	05/23/11 20:00 CST		0	Source: Fire Department/Rescue
<hr/>				
Water was overflowing the streets, making them impassable.				
<hr/>				
CADDO COUNTY --- 10.0 W APACHE [34.89, -98.54]				
	05/23/11 17:44 CST		0	Hail (1.75 in)
	05/23/11 17:44 CST		0	Source: Amateur Radio
<hr/>				
MAJOR COUNTY --- FAIRVIEW [36.27, -98.48]				
	05/23/11 17:58 CST		0	Hail (1.75 in)
	05/23/11 17:58 CST		0	Source: Emergency Manager
<hr/>				
LOGAN COUNTY --- 3.0 SW MULHALL [36.03, -97.44]				
	05/23/11 18:07 CST		0	Thunderstorm Wind (EG 52 kt)
	05/23/11 18:07 CST		0	Source: Emergency Manager
<hr/>				
No damage occurred with the wind gust.				
<hr/>				
LOGAN COUNTY --- 4.0 NE CRESCENT [35.99, -97.55]				
	05/23/11 18:23 CST		0	Hail (1.75 in)
	05/23/11 18:23 CST		0	Source: Emergency Manager
<hr/>				
BLAINE COUNTY --- 2.0 S OKEENE [36.09, -98.32]				
	05/23/11 18:30 CST		0	Hail (1.00 in)
	05/23/11 18:30 CST		0	Source: Public
<hr/>				
BLAINE COUNTY --- 5.0 S HITCHCOCK [35.90, -98.35]				
	05/23/11 18:35 CST		0	Hail (1.25 in)
	05/23/11 18:35 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
KINGFISHER COUNTY --- 2.0 NW KINGFISHER [35.88, -97.96]				
	05/23/11 19:09 CST	0		Hail (1.00 in)
	05/23/11 19:09 CST	0		Source: Emergency Manager
KINGFISHER COUNTY --- KINGFISHER [35.86, -97.93]				
	05/23/11 19:17 CST	0		Hail (1.75 in)
	05/23/11 19:17 CST	0		Source: Law Enforcement
KINGFISHER COUNTY --- 2.0 E KINGFISHER [35.86, -97.89]				
	05/23/11 19:22 CST	0		Hail (1.75 in)
	05/23/11 19:22 CST	0		Source: Public
KINGFISHER COUNTY --- 5.0 E KINGFISHER [35.86, -97.84]				
	05/23/11 19:25 CST	0		Hail (2.00 in)
	05/23/11 19:25 CST	0		Source: Public
KINGFISHER COUNTY --- 3.0 E KINGFISHER [35.86, -97.88]				
	05/23/11 19:31 CST	0		Hail (2.00 in)
	05/23/11 19:31 CST	0		Source: Public
PAYNE COUNTY --- 3.0 NW STILLWATER [36.15, -97.10]				
	05/23/11 19:46 CST	0		Thunderstorm Wind (MG 57 kt)
	05/23/11 19:46 CST	0		Source: ASOS
OKLAHOMA COUNTY --- EDMOND [35.65, -97.48]				
	05/23/11 20:17 CST	0		Hail (1.00 in)
	05/23/11 20:17 CST	0		Source: Public
CANADIAN COUNTY --- OKARCHE [35.73, -97.98]				
	05/23/11 20:40 CST	0		Hail (1.50 in)
	05/23/11 20:40 CST	0		Source: Emergency Manager
CANADIAN COUNTY --- OKARCHE [35.73, -97.98]				
	05/23/11 20:43 CST	0		Hail (1.75 in)
	05/23/11 20:43 CST	0		Source: Trained Spotter
CANADIAN COUNTY --- OKARCHE [35.73, -97.98]				
	05/23/11 20:44 CST	0		Hail (2.75 in)
	05/23/11 20:44 CST	0		Source: Trained Spotter
KINGFISHER COUNTY --- 1.0 N OKARCHE [35.74, -97.98]				
	05/23/11 20:44 CST	0		Hail (3.00 in)
	05/23/11 20:44 CST	0		Source: Trained Spotter
CANADIAN COUNTY --- 3.0 SSE PIEDMONT [35.60, -97.73]				
	05/23/11 21:20 CST	0		Hail (2.00 in)
	05/23/11 21:20 CST	0		Source: Public
CANADIAN COUNTY --- 4.0 SE PIEDMONT [35.60, -97.70]				
	05/23/11 21:27 CST	0		Hail (2.00 in)
	05/23/11 21:27 CST	0		Source: Public
OKLAHOMA COUNTY --- 5.5 NW THE VILLAGE [35.64, -97.61]				
	05/23/11 21:31 CST	0		Hail (1.75 in)
	05/23/11 21:31 CST	0		Source: NWS Employee

The hail was reported near NW 164th Street and Meridian Avenue.

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<hr/>				
CANADIAN COUNTY --- 6.0 NE YUKON [35.56, -97.66]				
	05/23/11 21:45 CST		0	Hail (2.50 in)
	05/23/11 21:45 CST		0	Source: Public
<hr/>				
OKLAHOMA COUNTY --- 2.9 NNE THE VILLAGE [35.61, -97.53]				
	05/23/11 21:45 CST		0	Hail (2.00 in)
	05/23/11 21:45 CST		0	Source: Broadcast Media
<hr/>				
The hail was reported near Western Avenue and Memorial Road.				
<hr/>				
OKLAHOMA COUNTY --- 3.0 E EDMOND [35.65, -97.43]				
	05/23/11 21:55 CST		0	Hail (1.00 in)
	05/23/11 21:55 CST		0	Source: Public
<hr/>				
OKLAHOMA COUNTY --- 3.5 SE EDMOND [35.61, -97.44]				
	05/23/11 21:59 CST		0	Hail (1.00 in)
	05/23/11 21:59 CST		0	Source: Public
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The hail was reported near Coltrane Road and Memorial Road.				
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OKLAHOMA COUNTY --- 2.1 NNW FOREST PARK [35.54, -97.46]				
	05/23/11 22:00 CST		0	Hail (1.75 in)
	05/23/11 22:00 CST		0	Source: NWS Employee

The hail was reported near Exit 136 on Interstate 35, near the Turner Turnpike.

Widespread severe thunderstorms, including supercells, occurred over a large area of Oklahoma during the afternoon and evening hours of the 23rd. The thunderstorms were focused near two main boundaries. One was a dry line that was set up over the western third of Oklahoma. The other was a stationary front that was draped over northern Oklahoma. More numerous thunderstorms occurred over northern Oklahoma, with more scattered development to the south. A very unstable air-mass was in place, and a well-timed shortwave was rounding a trough in southwest flow toward Oklahoma and northern Texas. Storms began firing by mid afternoon over northwest Oklahoma, with several supercells developing and merging to the east. A short-lived, weak tornado occurred north of Okeene, but occurred over open terrain with no damage. Other supercell storms developed over western and southwest Oklahoma. Although strong mid-level rotation was present with the southern storms, strong low-level rotation was absent. Very large hail occurred with the storms. One supercell produced a six inch diameter hailstone, the largest in Oklahoma history. By early evening, many of the thunderstorms persisted, although with less intensity. A boundary left over from the northern Oklahoma storms was draped over central Oklahoma. The development of the low-level jet aided in the development of supercell thunderstorms with large hail. Hail around golf-ball size fell over parts of the Oklahoma City metro area, along with beneficial rainfall. By midnight, the storms had all weakened below severe limits as they moved into eastern Oklahoma.

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Weak, rope tornado northwest of Okeene, Oklahoma. Photo courtesy of Patrick Burke.

KIOWA COUNTY --- HOBART [35.03, -99.10]

05/24/11 13:29 CST	0		Hail (1.75 in)
05/24/11 13:30 CST	0		Source: Amateur Radio

KIOWA COUNTY --- MOUNTAIN VIEW [35.10, -98.75]

05/24/11 14:15 CST	0		Hail (1.00 in)
05/24/11 14:15 CST	0		Source: Public

DEWEY COUNTY --- 8.2 E HUCMAC [36.06, -98.64], 8.7 E HUCMAC [36.06, -98.63]

05/24/11 14:20 CST	0		Tornado (EF1, L: 0.60 mi , W: 250 yd)
05/24/11 14:21 CST	0		Source: NWS Storm Survey

This tornado is labeled A1 (Segment #1 of the Canton Lake tornado). This large tornado began west of Canton and moved north-northeast toward (and eventually over) Canton Lake. The damage was confined to trees and power poles/lines during the early stages of the tornado. However, more significant damage occurred as the tornado moved into Blaine County. Monetary damage estimates were not available.

BLAINE COUNTY --- 2.2 WSW CANTON LAKE DAM [36.06, -98.63], 2.9 NNW LONGDALE [36.16, -98.58]

05/24/11 14:21 CST	1	0	Tornado (EF3, L: 7.90 mi , W: 880 yd)
05/24/11 14:34 CST	2	0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>This tornado is labeled A1 (Segment #2 of the Canton Lake tornado). The tornado moved northeast toward Canton Lake, which is where more significant damage occurred. Near the lake, on both sides where the tornado crossed, significant tree damage occurred. Numerous trailer homes were knocked over or destroyed. On the south side of the lake, two injuries occurred at the Canadian Campground. Several other campers took shelter in a concrete bathhouse. Although the bathhouse sustained damage, no injuries were reported. Other concrete structures (benches, pick-nick tables, etc.) were knocked over or shattered. On the other side of the lake, southwest of Longdale, significant damage continued to more structures and trees. The tornado continued to move almost due north into Major County. Monetary damage estimates were not available.</p> <p>Direct Fatalities: M57VE</p>				
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CADDO COUNTY --- 2.0 WSW EAKLY [35.30, -98.59]				
	05/24/11 14:29 CST		0	Hail (1.75 in)
	05/24/11 14:29 CST		0	Source: Trained Spotter
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CADDO COUNTY --- 4.6 W LOOKEBA [35.35, -98.44], 4.6 NE LOOKEBA [35.41, -98.31]				
	05/24/11 14:31 CST		0	Tornado (EF3, L: 8.60 mi , W: 800 yd)
	05/24/11 14:46 CST		0	Source: NWS Storm Survey
<p>This tornado is labeled Tornado B1 (Lookeba Tornado). This tornado damaged/destroyed several structures and mangled numerous many trees and power poles. The tornado dissipated near the Canadian County line, minutes before the storm produced another tornado in Canadian County that became the EF5 Calumet-El Reno-Piedmont-Guthrie tornado. Monetary damage estimates were not available.</p>				
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DEWEY COUNTY --- 5.0 ESE FAY [35.78, -98.58]				
	05/24/11 14:33 CST		0	Hail (3.00 in)
	05/24/11 14:33 CST		0	Source: Trained Spotter
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MAJOR COUNTY --- 4.8 SE DANE [36.16, -98.58], 2.8 ENE DANE [36.23, -98.58]				
	05/24/11 14:34 CST	1	0	Tornado (EF3, L: 4.70 mi , W: 600 yd)
	05/24/11 14:44 CST		0	Source: NWS Storm Survey
<p>This tornado is labeled A1 (Segment #3 of the Canton Lake tornado). The large, violent tornado continued north into Major county. The tornado hit homesteads and barns, severely damaging most structures, and splintering trees and power poles. One of the farmsteads received on the upper end of EF-3 damage, with the house completely collapsing and the trees on the property debarked and snapped. The tornado continued near Cedar Springs, damaging the church roof, and severely damaging a mobile home and several buildings at a farmstead. The tornado finally lifted southwest of Fairview. Monetary damage estimates were not available.</p> <p>Direct Fatalities: M57VE</p>				
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MAJOR COUNTY --- 2.8 SSW FAIRVIEW [36.24, -98.51], 2.1 SSW FAIRVIEW [36.24, -98.50]				
	05/24/11 14:47 CST		0	Tornado (EF0, L: 0.70 mi , W: 80 yd)
	05/24/11 14:51 CST		0	Source: Storm Chaser
<p>This tornado is labeled A2 (SW of Fairview brief tornado). A number of storm chasers observed this tornado to the southwest of Fairview. No known damage occurred.</p>				
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CANADIAN COUNTY --- 14.3 SW CALUMET [35.44, -98.29], 6.6 NNE PIEDMONT [35.73, -97.70]				
	05/24/11 14:50 CST	7	0	Tornado (EF5, L: 39.60 mi , W: 1760 yd)
	05/24/11 15:55 CST	112	0	Source: NWS Storm Survey
<p>This tornado is labeled Tornado B2 (Segment #1 of the Calumet-El Reno-Piedmont-Guthrie tornado). This tornado began very close to the Caddo/Canadian county border and quickly became a strong/violent tornado. The tornado destroyed numerous trees, many of them were debarked, before crossing Interstate 40. Three people died in vehicles near the I-40 Calumet exit, and two other fatalities occurred just northeast of that location. Cars were thrown thousands of feet off the roadways. It is believed that the tornado reached its maximum intensity just after crossing I-40, and it was here that a mobile radar measured winds of greater than 210 mph just off the surface. The El Reno Oklahoma Mesonet station (5 miles west) measured wind gusts of 131 and 151 mph. From this location, the tornado continued northeast, narrowly missing the town of Piedmont. Widespread EF-3, occasional EF-4 damage occurred between El Reno and Piedmont. More widespread EF-4 damage was seen west and north of Piedmont. Especially hard hit was the Falcon Lake neighborhood, near the Kingfisher county border. Two children were killed at this location. The tornado continued into southeastern Kingfisher County. Monetary damage estimates were not available at this time, but were probably going to be well in the tens of millions.</p> <p>Direct Fatalities: M3PH, M1PH, M71VE, F67VE, M50VE, M22VE, F16VE</p>				
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COMANCHE COUNTY --- 1.8 WSW LAWTON [34.60, -98.42]				

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/24/11 15:16 CST		0	Hail (1.75 in)
	05/24/11 15:16 CST		0	Source: Broadcast Media
KWSO-TV reported golf-ball size hail falling on the west side of Lawton.				
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CANADIAN COUNTY --- 5.0 WNW EL RENO [35.56, -98.04]				
	05/24/11 15:18 CST		0	Thunderstorm Wind (MG 131 kt)
	05/24/11 15:22 CST		0	Source: Mesonet
The highest wind gust ever recorded at an Oklahoma Mesonet site was measured near El Reno, as an EF-5 tornado tore a path through Canadian county. The wind speed increased from 61 mph at 1618 CDT, to 66 mph at 1619 CDT, to 131 mph at 1620 CDT, to 151 at 1621 CDT, and then to 91 mph at 1622 CDT. The tornado caused considerable damage to the area surrounding the Mesonet as it moved northeast.				
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COMANCHE COUNTY --- 3.9 NNE LAKE ELLSWORTH DAM [34.84, -98.34]				
	05/24/11 15:31 CST		0	Hail (1.75 in)
	05/24/11 15:31 CST		0	Source: Fire Department/Rescue
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CANADIAN COUNTY --- 4.3 NW RICHLAND [35.62, -97.86], 3.4 NW RICHLAND [35.62, -97.84]				
	05/24/11 15:37 CST		0	Tornado (EF0, L: 1.50 mi , W: 50 yd)
	05/24/11 15:39 CST		0	Source: NWS Employee
Tornado B3 (Richland tornado.) A Storm Prediction Center employee observed a satellite tornado rotating around the primary Calumet-EI Reno-Piedmont-Guthrie tornado for a couple of minutes to the northwest of Richland. This tornado produced no known damage that was distinguished from the primary tornado.				
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OKLAHOMA COUNTY --- MIDWEST CITY [35.46, -97.39]				
	05/24/11 15:43 CST		0	Hail (1.75 in)
	05/24/11 15:43 CST		0	Source: Amateur Radio
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KINGFISHER COUNTY --- 5.3 S CASHION [35.73, -97.70], 3.7 S CASHION [35.75, -97.67]				
	05/24/11 15:55 CST		0	Tornado (EF3, L: 2.20 mi , W: 1200 yd)
	05/24/11 15:59 CST	46	0	Source: NWS Storm Survey
This tornado is labeled B2 (Segment #2 of Calumet-EI Reno-Piedmont-Guthrie tornado). The tornado entered far southeast Kingfisher county before moving into Logan county. However, EF-3 damage occurred just over the Kingfisher county border, debarking trees and significantly damaging buildings. As the tornado continued northeast, the damage was mainly considered EF-2, with damage to mostly outbuildings and trees. The tornado continued into Logan County. Monetary damage estimates were not available.				
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LOGAN COUNTY --- 7.4 WSW NAVINA [35.75, -97.67], 4.6 NE GUTHRIE [35.92, -97.36]				
	05/24/11 15:59 CST	2	0	Tornado (EF3, L: 21.30 mi , W: 1200 yd)
	05/24/11 16:35 CST	23	0	Source: NWS Storm Survey
This tornado is labeled B2 (Segment #3 of the Calumet-EI Reno-Piedmont-Guthrie tornado). The tornado moved into Logan County and resulted in two additional fatalities (both of whom were outside when the tornado struck) near Cashion. The tornado destroyed several manufactured homes (both double- and single-wide) after entering Logan county. Large high-transmission line tresses collapsed. Trees were debarked with only stumps remaining. Several buildings had most of their exterior walls collapse, with only the inner walls remaining. EF-2 to occasionally EF-3 damage occurred as the tornado neared Guthrie. Luckily, most of the town of Guthrie was spared to the tornado as it moved west and then north of the center of the city. Finally, the tornado dissipated northeast of Guthrie with some minor tree damage. After it was all said and done, the tornado continued for 63 miles, and lasted around an hour and 45 minutes. Monetary damage estimates were not available.				
Direct Fatalities: F58OU, M64OU				
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STEPHENS COUNTY --- 3.0 W MARLOW [34.65, -98.01]				
	05/24/11 16:00 CST		0	Thunderstorm Wind (MG 60 kt)
	05/24/11 16:00 CST		0	Source: Amateur Radio
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KAY COUNTY --- (PNC)PONCA CITY ARPT [36.73, -97.10]				
	05/24/11 16:02 CST		0	Thunderstorm Wind (MG 53 kt)
	05/24/11 16:02 CST		0	Source: ASOS
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GRADY COUNTY --- 2.5 ENE NORGE [35.01, -97.96], 4.0 SE BRIDGE CREEK [35.19, -97.67]				

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/24/11 16:06 CST	1	0	Tornado (EF4, L: 21.00 mi , W: 880 yd)
	05/24/11 16:38 CST	48	0	Source: NWS Storm Survey

This tornado is labeled C1 (Segment #1 of the Chickasha-Blanchard-Newcastle tornado). The tornado formed on the south side of Chickasha, quickly doing EF-2 damage. Mobile homes were damaged and destroyed, trees were uprooted/destroyed, outbuildings were destroyed, and many buildings lost significant portions of their roofs. One fatality occurred as a mobile home was destroyed in the south portion of Chickasha. As the tornado moved northeast of Chickasha, it gained significant strength, with several areas receiving EF-4 damage. Well-built homes were destroyed. Trees were debarked with only stumps remaining. Cars were thrown hundreds of feet. Almost continuous EF-3/occasional EF-4 damage occurred northeast until it crossed into McClain county 1.5 miles south of Highway 9. The tornado was probably at its strongest as it neared/crossed the McClain county line. Wind speeds there were estimated near 200 mph. Monetary damage estimates were not available.

Direct Fatalities: F24MH

GRADY COUNTY --- 1.3 W BRADLEY [34.88, -97.73], 4.7 NNE BRADLEY [34.94, -97.67]

05/24/11 16:26 CST	0	Tornado (EF3, L: 5.50 mi , W: 880 yd)
05/24/11 16:35 CST	0	Source: NWS Storm Survey

This tornado is labeled D1 (Segment #1 of the Washington-Goldsby tornado). This tornado developed west of Bradley, downing tree limbs as it moved northeast. The tornado began to increase in intensity, producing EF-3 damage, as it approached McClain county. Although the damage was confined to trees, the severity of the damage became more intense. Trees were snapped at the bases, or debarked altogether. The tornado was several hundred yards wide as it neared the county line. Luckily, very few structures were in the path. This tornado continued into McClain County. Monetary damage estimates were not available.

KAY COUNTY --- 8.0 E NEWKIRK [36.88, -96.92]

05/24/11 16:30 CST	0	Thunderstorm Wind (MG 50 kt)
05/24/11 16:30 CST	0	Source: Mesonet

LOGAN COUNTY --- 4.0 WSW LANGSTON [35.92, -97.32]

05/24/11 16:30 CST	0	Thunderstorm Wind (MG 51 kt)
05/24/11 16:30 CST	0	Source: ASOS

MCCLAIN COUNTY --- 6.6 WSW CRINER [34.94, -97.67], 0.9 SW GOLDSBY [35.14, -97.49]

05/24/11 16:35 CST	0	Tornado (EF4, L: 17.60 mi , W: 880 yd)
05/24/11 17:05 CST	61	Source: NWS Storm Survey

This tornado is labeled D1 (Segment #2 of the Washington-Goldsby tornado). Widespread tree damage and ground scouring was ongoing as the tornado crossed into McClain county. As the tornado crossed Highway 76, even more intense damage occurred. EF-4 damage was surveyed at several locations. Several homes were reduced to a pile of rubble, or were wiped clean off of their foundations. Automobiles were mangled and almost unrecognizable. The tornado weakened and narrowed as it crossed CR 410. Even though the tornado had weakened, EF-2 to EF-3 damage was still occurring as it approached Highway 39. The tornado increased in intensity once again near the Highway, with EF-4 damage surveyed for the 2nd time. Well constructed homes were destroyed, with several wiped clean off of their foundations. This also began a longer streak of higher end damage, with EF-3 to EF-4 damage occurring until it crossed Highway 74B, west of High Avenue. Equally devastating destruction occurred over the areas of EF-4 damage. The tornado lifted west of Goldsby with still EF-3 damage occurring prior to lifting. It should be noted that this tornado had estimated winds up to 200 mph at times, falling just short of the damage indicator for an EF-5 tornado. Monetary damage estimates were not available.

MCCLAIN COUNTY --- 2.0 SW NEWCASTLE [35.23, -97.63]

05/24/11 16:37 CST	0	Hail (2.75 in)
05/24/11 16:37 CST	0	Source: NWS Employee

MCCLAIN COUNTY --- 3.4 N BLANCHARD [35.19, -97.67], 3.9 N NEWCASTLE [35.30, -97.59]

05/24/11 16:38 CST	0	Tornado (EF4, L: 9.60 mi , W: 650 yd)
05/24/11 16:53 CST	0	Source: NWS Storm Survey

This tornado is labeled C1 (Segment #2 of the Chickasha-Blanchard-Newcastle tornado). Significant damage continued as the violent tornado moved over the McClain county border. This may have been the strongest portion of this tornado, with wind speeds near 200 mph. Well-built homes were destroyed, with some cleaned off of their foundation. A concrete dome home was severely damage, mainly by the flying debris. Trees were debarked or destroyed. Very little was left standing for the first few miles into McClain county. Fairly consistent EF-3, with brief periods of EF-4 damage occurred as the tornado neared/crossed Highway 9, near the Highway 76 junction. The tornado began to weaken as it moved toward the Cleveland county border, with mainly trees and power poles/lines snapped. The tornado continued into Cleveland County. Monetary damage estimates were not available.

MCCLAIN COUNTY --- 1.7 WSW NEWCASTLE [35.24, -97.63], 1.2 WSW NEWCASTLE [35.24, -97.62]

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/24/11 16:45 CST		0	Tornado (EF0, L: 0.70 mi , W: 50 yd)
	05/24/11 16:46 CST		0	Source: NWS Employee
Tornado C2 (Newcastle tornado.) An NWS employee observed this tornado in the southwestern portion of Newcastle while the primary Chickasha-Blanchard-Newcastle tornado was located to the south or southwest. This tornado only produced light damage.				
CLEVELAND COUNTY --- 1.0 N NORMAN [35.23, -97.44]				
	05/24/11 16:50 CST		0	Hail (1.50 in)
	05/24/11 16:50 CST		0	Source: NWS Employee
CLEVELAND COUNTY --- NOBLE [35.14, -97.39]				
	05/24/11 16:50 CST		0	Hail (2.50 in)
	05/24/11 16:50 CST		0	Source: NWS Employee
MCCLAIN COUNTY --- 3.0 N WASHINGTON [35.10, -97.48]				
	05/24/11 16:50 CST		0	Hail (2.50 in)
	05/24/11 16:50 CST		0	Source: NWS Employee
PAYNE COUNTY --- 7.5 SSE LAKE CARL BLACKWELL DAM [36.03, -97.16], 2.8 ESE STILLWATER [36.11, -97.01]				
	05/24/11 16:50 CST		0	Tornado (EF2, L: 10.40 mi , W: 880 yd)
	05/24/11 17:05 CST	18	0	Source: NWS Storm Survey
This tornado was labeled B4 (Stillwater tornado). This tornado developed with mainly tree and power pole/line damage. The tree damage was significant, with several homes impacted as the tornado traveled northeast. Significant roof and siding damage occurred to the homes, with several barns and outbuildings sustaining significant damage or were destroyed altogether. EF-2 damage continued as the tornado moved south of Stillwater, with additional structures sustaining roof damage. A couple of the homes also had collapsed chimneys. The damage lessened in severity over the latter half of the tornado path, with mostly tree damage and minor structural damage. Monetary damage estimates were not available.				
CLEVELAND COUNTY --- 6.1 WSW MOORE [35.30, -97.59], 5.0 WSW MOORE [35.31, -97.57]				
	05/24/11 16:53 CST		0	Tornado (EF0, L: 2.70 mi , W: 200 yd)
	05/24/11 17:02 CST		0	Source: NWS Storm Survey
This tornado is labeled C1 (Segment #3 of the Chickasha-Blanchard-Newcastle tornado). Only minor tree/power pole/power line damage occurred inside the Cleveland county line. A few barns and outbuilding also sustained minor damage east of I-44. The tornado dissipated just north of the South Canadian River. After it was finally over, the tornado continued for just under an hour, with a length of around 32 miles. Peak wind speeds were estimated just under 200 mph. Monetary damage estimates were not available.				
LOGAN COUNTY --- 7.0 N COYLE [36.05, -97.24]				
	05/24/11 16:55 CST		0	Thunderstorm Wind (MG 52 kt)
	05/24/11 16:55 CST		0	Source: Mesonet
CLEVELAND COUNTY --- (OUN)NORMAN WESTHEIMER ARPT [35.25, -97.47]				
	05/24/11 17:00 CST		0	Hail (1.75 in)
	05/24/11 17:00 CST		0	Source: NWS Employee
CLEVELAND COUNTY --- 1.5 WNW NORMAN [35.22, -97.47]				
	05/24/11 17:00 CST		0	Hail (1.50 in)
	05/24/11 17:00 CST		0	Source: Public
CLEVELAND COUNTY --- 3.0 NE NORMAN [35.25, -97.40]				
	05/24/11 17:00 CST		0	Hail (2.00 in)
	05/24/11 17:00 CST		0	Source: Public
CLEVELAND COUNTY --- 4.0 ENE NOBLE [35.16, -97.32]				
	05/24/11 17:00 CST		0	Hail (2.00 in)
	05/24/11 17:00 CST		0	Source: NWS Employee
OKLAHOMA COUNTY --- 5.0 W LUTHER [35.67, -97.28]				

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/24/11 17:00 CST		2K	Thunderstorm Wind (EG 61 kt)
	05/24/11 17:00 CST		0	Source: Public
A large tree and metal awning were blown down. Monetary damages were estimated.				
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MCCLAIN COUNTY --- 3.3 SSE GOLDSBY [35.11, -97.45], 3.0 SE GOLDSBY [35.12, -97.45]				
	05/24/11 17:02 CST		0	Tornado (EF1, L: 0.50 mi , W: 40 yd)
	05/24/11 17:03 CST		0	Source: NWS Storm Survey
Tornado D2 (Goldsby tornado.)				
Storm chasers observed a tornado southeast of Goldsby in a parallel track to the east-southeast of the primary Washington-Goldsby tornado. An NWS storm survey team observed barn damage associated with this tornado.				
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CLEVELAND COUNTY --- 5.0 SE NORMAN [35.17, -97.38]				
	05/24/11 17:05 CST		0	Hail (1.75 in)
	05/24/11 17:15 CST		0	Source: NWS Employee
The hail was reported near Highway 9 and 60th Streets. Golf-ball size was also reported near Rock Creek Road and 60th Street.				
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GARVIN COUNTY --- 1.0 N ELMORE CITY [34.63, -97.40]				
	05/24/11 17:05 CST		0	Hail (0.88 in)
	05/24/11 17:05 CST		0	Source: Public
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OKLAHOMA COUNTY --- 3.0 W DEL CITY [35.45, -97.49]				
	05/24/11 17:05 CST		0	Hail (1.75 in)
	05/24/11 17:05 CST		0	Source: Public
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CLEVELAND COUNTY --- 2.7 S NORMAN [35.18, -97.44]				
	05/24/11 17:07 CST		0	Hail (1.75 in)
	05/24/11 17:07 CST		0	Source: NWS Employee
The hail fell at the National Weather Center.				
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OKLAHOMA COUNTY --- DEL CITY [35.45, -97.44]				
	05/24/11 17:14 CST		0	Hail (1.00 in)
	05/24/11 17:14 CST		0	Source: Emergency Manager
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LOVE COUNTY --- MARIETTA [33.94, -97.12]				
	05/24/11 17:15 CST		1.50K	Thunderstorm Wind (EG 56 kt)
	05/24/11 17:15 CST		0	Source: Emergency Manager
A large tree was uprooted. Monetary damages were estimated.				
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JEFFERSON COUNTY --- 1.0 N RINGLING [34.19, -97.59]				
	05/24/11 17:20 CST		0	Thunderstorm Wind (MG 68 kt)
	05/24/11 17:20 CST		0	Source: Mesonet
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JEFFERSON COUNTY --- RINGLING [34.18, -97.59]				
	05/24/11 17:20 CST		0	Thunderstorm Wind (EG 80 kt)
	05/24/11 17:20 CST		0	Source: Emergency Manager
A number of homes in Ringling suffered roof damage, and widespread tree and outbuilding damage occurred.				
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OKLAHOMA COUNTY --- (TIK)TINKER AFB [35.41, -97.39]				
	05/24/11 17:23 CST		0	Hail (1.50 in)
	05/24/11 17:23 CST		0	Source: Other Federal Agency
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LOVE COUNTY --- 1.0 N MARIETTA [33.95, -97.12]				

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/24/11 17:25 CST		0	Hail (1.75 in)
	05/24/11 17:25 CST		0	Source: Emergency Manager
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LOVE COUNTY --- 1.0 WNW MARIETTA [33.95, -97.14]				
	05/24/11 17:25 CST		0	Hail (1.00 in)
	05/24/11 17:25 CST		0	Source: Public
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OKLAHOMA COUNTY --- (TIK)TINKER AFB [35.41, -97.39]				
	05/24/11 17:31 CST		0	Thunderstorm Wind (MG 60 kt)
	05/24/11 17:31 CST		0	Source: ASOS
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CARTER COUNTY --- HEALDTON [34.23, -97.49]				
	05/24/11 17:35 CST		0	Hail (1.00 in)
	05/24/11 17:35 CST		0	Source: Fire Department/Rescue
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POTTAWATOMIE COUNTY --- 4.7 WSW DALE [35.37, -97.13], 3.3 W DALE [35.39, -97.11]				
	05/24/11 17:36 CST		0	Tornado (EF2, L: 2.00 mi , W: 50 yd)
	05/24/11 17:39 CST	32	0	Source: NWS Storm Survey
<p>Tornado D3 (McLoud tornado.) A tornado developed west-southwest of the intersection of Fishmarket Road and Memorial Road to the south-southwest of McLoud. The tornado moved east-northeast where a telephone company building lost it's roof, and a number of sheds were damaged and causing tree damage as it crossed the intersection and Fishmarket and Memorial roads. Extensive tree damage continued northeast of this intersection, at least one home suffered the destruction of an attached garage and a few homes suffered roof and window damage. The tornado turned north-northeast crossing Interstate 40 near the Walker Road bridge where it struck and semi truck, lifting and destroying the trailer, lofting the pieces to the north. The tornado dissipated soon after crossing Interstate 40. Although the tornado was very narrow, the rotational velocity of the tornado was observed to be very strong. Monetary damage estimates were not available.</p>				
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CARTER COUNTY --- LONE GROVE [34.18, -97.26]				
	05/24/11 17:40 CST		6K	Thunderstorm Wind (EG 61 kt)
	05/24/11 17:40 CST		0	Source: Law Enforcement
<p>The roof was blown off of a trailer home. Monetary damages were estimated.</p>				
<hr/>				
CLEVELAND COUNTY --- 1.9 E MOORE [35.34, -97.46]				
	05/24/11 17:51 CST		0	Hail (1.00 in)
	05/24/11 17:51 CST		0	Source: NWS Employee
<p>The hail fell at the intersection of Main Street and Wyndemere Lakes Drive.</p>				
<hr/>				
CARTER COUNTY --- 1.0 SE HEALDTON [34.22, -97.48]				
	05/24/11 18:01 CST		0	Hail (1.00 in)
	05/24/11 18:01 CST		0	Source: Amateur Radio
<hr/>				
LOVE COUNTY --- 5.0 E RUBOTTOM [33.94, -97.37]				
	05/24/11 18:08 CST		0	Thunderstorm Wind (EG 56 kt)
	05/24/11 18:08 CST		0	Source: Public
<p>No damage occurred with the wind gust.</p>				
<hr/>				
JOHNSTON COUNTY --- 0.8 N RAVIA [34.25, -96.76], 3.1 N TISHOMINGO [34.27, -96.67]				
	05/24/11 18:30 CST		0	Tornado (EF1, L: 5.50 mi , W: 1200 yd)
	05/24/11 18:45 CST		0	Source: Emergency Manager
<p>This tornado is labeled E1 (the Ravia-Tishomingo tornado). This tornado began just north of Ravia and traveled east-northeast toward Tishomingo. Widespread tree damage occurred as, luckily, few structures were in the path. Four homes sustained minor roof damage, with another two homes damage by the falling trees. A 50-foot grain silo also lost its roof. The tornado lifted a couple of miles north of Tishomingo. No injuries were reported as a result of the tornado. Monetary damage estimates were not available.</p>				
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MARSHALL COUNTY --- MADILL [34.09, -96.77]				

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/24/11 19:02 CST		0	Thunderstorm Wind (EG 52 kt)
	05/24/11 19:02 CST		0	Source: Emergency Manager

No damage occurred with the wind gust.

PONTOTOC COUNTY --- ADA [34.77, -96.68]

05/24/11 19:50 CST	0	Hail (1.25 in)
05/24/11 19:50 CST	0	Source: Public

PONTOTOC COUNTY --- ADA [34.77, -96.68]

05/24/11 20:01 CST	0	Hail (1.75 in)
05/24/11 20:01 CST	0	Source: Public

A tornado outbreak occurred over parts of northern and central Oklahoma during the day on the 24th, with violent tornadoes devastating several communities. By the end of the day, one EF-5, two EF-4, and two EF-3 tornadoes destroyed buildings, ripped up trees and power poles, and unfortunately, resulted in 11 deaths. The day began with a strong upper level trough ejecting out of the southwest United States. The trough took on a negative tilt as it approached the southern Plains. A strong jet stream was located at both the middle and upper levels rotating around the upper trough. At the surface, a low pressure strengthened rapidly over northwest Oklahoma, keeping the low-level flow of warm, moist air to flow east of a dry line that had moved into western Oklahoma. Thunderstorms developed by early afternoon over western Oklahoma, and quickly became supercellular as they moved northeast. Strong low-level rotation developed early, with the first tornado occurring over Blaine county, and moved northeast into Major county. Another supercell rapidly gained low-level rotation as it moved from Caddo into Canadian County. This tornado became the strongest of them all as it moved north of El Reno, west of Piedmont, and to south of Guthrie in Logan county. Nine people died as a result of this tornado. Two more powerful supercells developed over Grady county, and they moved northeast into McClain and Cleveland counties. Finally, the final tornado occurred east of Norman into Pottawatomie county. The timing of this outbreak could not have come at a worse time, as rush hour was just unfolding as the tornadoes neared the Oklahoma City metro area.



A large wave was produced as the significant tornado moved over Canton Lake, OK. Photo courtesy of Patrick Callahan.

(OK-Z027) GRADY, (OK-Z033) HARMON

05/30/11 23:00 CST	0	High Wind (MAX 56 kt)
05/31/11 03:55 CST	0	

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
COMANCHE COUNTY --- INDIAHOMA [34.62, -98.75]				
	05/31/11 01:38 CST	0		Hail (0.75 in)
	05/31/11 01:38 CST	0		Source: Broadcast Media
The hail report was relayed by KSWO-TV.				
KIOWA COUNTY --- SNYDER [34.66, -98.95]				
	05/31/11 01:40 CST	0		Hail (1.25 in)
	05/31/11 01:40 CST	0		Source: Broadcast Media
The hail report was relayed by KSWO-TV.				
COMANCHE COUNTY --- CACHE [34.63, -98.63]				
	05/31/11 01:55 CST	0		Hail (0.75 in)
	05/31/11 01:55 CST	0		Source: Broadcast Media
The hail report was relayed by KSWO-TV.				
COMANCHE COUNTY --- 3.0 W MEDICINE PARK [34.73, -98.55]				
	05/31/11 02:00 CST	0		Thunderstorm Wind (MG 51 kt)
	05/31/11 02:00 CST	0		Source: Mesonet
GRADY COUNTY --- RUSH SPRINGS [34.78, -97.96]				
	05/31/11 02:35 CST	0		Hail (1.00 in)
	05/31/11 02:35 CST	0		Source: Amateur Radio
STEPHENS COUNTY --- 4.0 SW DUNCAN [34.46, -98.01]				
	05/31/11 02:50 CST	0		Hail (0.75 in)
	05/31/11 02:50 CST	0		Source: Public
STEPHENS COUNTY --- DUNCAN [34.50, -97.96]				
	05/31/11 02:55 CST	0		Hail (1.00 in)
	05/31/11 02:55 CST	0		Source: Public
<p>Severe thunderstorms developed along and ahead of a sharp dry line over the Texas Panhandle late on the 30th. As the low level jet strengthened across western Oklahoma, enhanced lift and instability allowed these storms to persist well into the morning hours on the 31st, eventually making their way into Oklahoma. Most of these storms produced marginally severe hail and a few wind gusts exceeding 60 miles per hour across southwest Oklahoma. A few non-severe thunderstorm wind gusts also occurred as a result of decaying thunderstorms.</p>				
TEXAS, Western North				
(TX-Z083) HARDEMAN, (TX-Z084) FOARD, (TX-Z085) WILBARGER, (TX-Z086) WICHITA, (TX-Z087) KNOX, (TX-Z088) BAYLOR, (TX-Z089) ARCHER, (TX-Z090) CLAY				
	05/01/11 00:00 CST	0		Drought
	05/31/11 23:59 CST	0		
<p>The severe drought continued over western north Texas during the month of May. By this time, farmers were beginning to think about what they could salvage with their winter wheat crop. Even though wheat prices were high, the yield over much of western north Texas was small. Precipitation-wise, most of the region remained well below normal. Even those that did get it were hampered by periods of hail and wind.</p>				
BAYLOR COUNTY --- 4.0 S SEYMOUR [33.53, -99.26]				
	05/01/11 03:17 CST	0		Hail (1.00 in)
	05/01/11 03:17 CST	0		Source: Broadcast Media
The hail report was relayed by KSWO-TV.				

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ARCHER COUNTY --- MEGARGEL [33.45, -98.93]				
	05/01/11 03:35 CST		0	Thunderstorm Wind (EG 52 kt)
	05/01/11 03:35 CST		0	Source: Emergency Manager
Minor wind damage was reported. Monetary damage estimates were not available.				
ARCHER COUNTY --- 1.4 S ARCHER CITY [33.57, -98.63]				
	05/01/11 03:56 CST		10K	Thunderstorm Wind (EG 56 kt)
	05/01/11 03:56 CST		0	Source: Trained Spotter
Power lines were downed along Highway 79, causing parts of Archer City to be without power. Monetary damages were estimated.				
CLAY COUNTY --- 4.8 S LAKE ARROWHEAD DAM [33.69, -98.37]				
	05/01/11 04:13 CST		0	Thunderstorm Wind (EG 52 kt)
	05/01/11 04:13 CST		0	Source: Emergency Manager
The wind was estimated at Deer Creek Park near Lake Arrowhead.				
ARCHER COUNTY --- WINDTHORST [33.58, -98.44]				
	05/01/11 04:15 CST		0	Thunderstorm Wind (EG 56 kt)
	05/01/11 04:15 CST		0	Source: Emergency Manager
Minor damage occurred along Highway 281 in Windthorst. Monetary damage estimates were not available.				
CLAY COUNTY --- 3.0 SE BLUEGROVE [33.64, -98.19]				
	05/01/11 04:25 CST		4K	Thunderstorm Wind (EG 56 kt)
	05/01/11 04:25 CST		0	Source: Law Enforcement
Trees were downed over Highway 148. Monetary damages were estimated.				
CLAY COUNTY --- 3.0 SE BLUEGROVE [33.63, -98.20], 2.1 NNE JOY [33.61, -98.20]				
	05/01/11 04:45 CST		10K	Thunderstorm Wind (EG 56 kt)
	05/01/11 04:45 CST		0	Source: Emergency Manager
Power lines and a highway sign were blown down near Midway School. Other tree damage was reported over Highway 148. Monetary damages were estimated.				
CLAY COUNTY --- BLUEGROVE [33.67, -98.23], 1.1 ENE BLUEGROVE [33.67, -98.21]				
	05/01/11 05:00 CST		0	Thunderstorm Wind (EG 56 kt)
	05/01/11 05:02 CST		0	Source: Emergency Manager
A carport was destroyed at 7th and Franklin. Another home sustained damage. Monetary damage estimates were not available.				
CLAY COUNTY --- 2.0 E BLUEGROVE [33.67, -98.20]				
	05/01/11 05:02 CST		0	Thunderstorm Wind (EG 56 kt)
	05/01/11 05:02 CST		0	Source: Emergency Manager
A trailer house was damaged, with another trailer home blown over. Monetary damage estimates were not available.				
WICHITA COUNTY --- IOWA PARK [33.95, -98.67]				
	05/01/11 07:25 CST		0	Hail (0.88 in)
	05/01/11 07:25 CST		0	Source: Trained Spotter
A stationary front lying over north-central Texas divided rich, humid air to the south from cooler and drier conditions to the north. Moisture streamed over the front ahead of an upper level trough that was moving east from New Mexico. Scattered showers and thunderstorms developed over northern Texas before sunrise. An unstable air-mass resulted in many of the storms becoming severe, with several areas reporting severe winds, some of which produced damage.				
BAYLOR COUNTY --- SEYMOUR [33.59, -99.26]				
	05/08/11 17:39 CST		0	Hail (1.00 in)
	05/08/11 17:39 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WICHITA COUNTY --- BURKBURNETT [34.09, -98.56]				
	05/08/11 17:53 CST		0	Hail (1.75 in)
	05/08/11 17:53 CST		0	Source: Public
The hail was reported on W. 3rd Street.				
ARCHER COUNTY --- 9.0 NNE MEGARGEL [33.57, -98.87]				
	05/08/11 17:58 CST		0	Hail (0.88 in)
	05/08/11 17:58 CST		0	Source: Public
ARCHER COUNTY --- MANKINS [33.78, -98.80]				
	05/08/11 18:26 CST		0	Hail (0.88 in)
	05/08/11 18:26 CST		0	Source: Amateur Radio
WICHITA COUNTY --- 5.1 SW WICHITA FALLS [33.87, -98.56]				
	05/08/11 18:55 CST		0	Hail (0.75 in)
	05/08/11 18:55 CST		0	Source: Amateur Radio
The hail was reported near Fairway Boulevard and Johnson Road.				
WICHITA COUNTY --- 3.0 S WICHITA FALLS [33.87, -98.49]				
	05/08/11 18:57 CST		0	Hail (1.25 in)
	05/08/11 18:57 CST		0	Source: Trained Spotter
WICHITA COUNTY --- 0.8 S WICHITA FALLS [33.90, -98.49]				
	05/08/11 19:02 CST		0	Hail (0.88 in)
	05/08/11 19:02 CST		0	Source: Amateur Radio
The hail was reported near Galveston Street and Scott Avenue.				
WICHITA COUNTY --- 1.9 SSE WICHITA FALLS [33.89, -98.47]				
	05/08/11 19:03 CST		0	Hail (1.00 in)
	05/08/11 19:03 CST		0	Source: Amateur Radio
The hail was reported at the Castaway Cove Waterpark off of Highway 287.				
<p>Thunderstorms developed east of a dry line that was located over parts of northern Texas during the afternoon of the 8th. Temperatures soared to over 100 degrees from Wichita Falls westward, which helped to erode a stout cap that was in place. A shortwave moving east from west Texas aided in the development of thunderstorms, many of which became severe. The thunderstorms remained generally near and east of Baylor and Wichita counties. Hail up to golf ball size was reported.</p>				
HARDEMAN COUNTY --- GOODLETT [34.34, -99.88]				
	05/19/11 11:50 CST		0	Hail (1.25 in)
	05/19/11 11:50 CST		0	Source: Public
Up to half-dollar size occurred over the northern portion of town.				
WILBARGER COUNTY --- 3.0 W LOCKETT [34.08, -99.42]				
	05/19/11 16:33 CST		0	Hail (1.00 in)
	05/19/11 16:33 CST		0	Source: Public
WILBARGER COUNTY --- VERNON [34.15, -99.29]				
	05/19/11 17:15 CST		0	Hail (1.00 in)
	05/19/11 17:15 CST		0	Source: Public
WILBARGER COUNTY --- VERNON [34.15, -99.29]				
	05/19/11 17:20 CST		0	Hail (2.50 in)
	05/19/11 17:20 CST		0	Source: Law Enforcement

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WILBARGER COUNTY --- VERNON [34.15, -99.29]				
	05/19/11 18:07 CST		0	Hail (1.75 in)
	05/19/11 18:07 CST		0	Source: Trained Spotter
WILBARGER COUNTY --- 2.3 WSW OKLAUNION [34.12, -99.18]				
	05/19/11 18:20 CST		0	Thunderstorm Wind (EG 61 kt)
	05/19/11 18:20 CST		0	Source: Storm Chaser
Minor structural damage occurred to a building. Power line damage was also reported. Monetary damages were not available.				
WILBARGER COUNTY --- 7.0 NE OKLAUNION [34.20, -99.05]				
	05/19/11 18:34 CST		0	Tornado (EF0, L: 0.50 mi , W: 75 yd)
	05/19/11 18:34 CST		0	Source: Storm Chaser
A storm chaser east of Davidson OK observed and photographed a partially rain-wrapped tornado to his south-southwest, estimated to be just south of the Red River in far northeastern Wilbarger County Texas. This tornado produced no known damage.				
Thunderstorms developed early in the afternoon over the western portions of northern Texas. However, much of the early development moved northeast into Oklahoma. By later in the afternoon, more widespread thunderstorms developed east of the dry line. The northern tier of counties took the brunt of the active weather, with many areas reporting large hail. Vernon saw several rounds of hail, with training thunderstorms occurring for a couple of hours. Toward the end of the event, a brief tornado occurred over far northeast Wilbarger county, just south of the Red River. No damage occurred with the tornado. The severe activity had crossed into Oklahoma by mid evening.				
ARCHER COUNTY --- 2.0 SW WINDTHORST [33.56, -98.46]				
	05/22/11 17:04 CST		0	Hail (2.75 in)
	05/22/11 17:04 CST		0	Source: Trained Spotter
ARCHER COUNTY --- 1.0 N WINDTHORST [33.59, -98.44]				
	05/22/11 17:11 CST		0	Hail (2.75 in)
	05/22/11 17:11 CST		0	Source: Trained Spotter
CLAY COUNTY --- 3.5 S LAKE ARROWHEAD DAM [33.71, -98.37]				
	05/22/11 17:15 CST		6K	Thunderstorm Wind (MG 56 kt)
	05/22/11 17:15 CST		0	Source: Amateur Radio
Part of a roof was blown off of a house. Monetary damages were estimated.				
ARCHER COUNTY --- SCOTLAND [33.66, -98.47]				
	05/22/11 17:18 CST		0	Hail (1.00 in)
	05/22/11 17:18 CST		0	Source: Trained Spotter
CLAY COUNTY --- HENRIETTA [33.82, -98.19]				
	05/22/11 17:32 CST		0	Hail (1.75 in)
	05/22/11 17:32 CST		0	Source: Amateur Radio
CLAY COUNTY --- 1.0 W HENRIETTA [33.82, -98.21]				
	05/22/11 17:40 CST		0	Hail (3.00 in)
	05/22/11 17:40 CST		0	Source: Amateur Radio
Thunderstorms developed and quickly became severe, with several supercells moving northeast producing large hail and damaging winds.				
WILBARGER COUNTY --- 5.1 SE SANTA ROSA LAKE DAM [33.90, -99.19]				
	05/23/11 16:43 CST		0	Hail (2.50 in)
	05/23/11 16:43 CST		0	Source: Public
BAYLOR COUNTY --- 17.0 NE SEYMOUR [33.76, -99.05]				
	05/23/11 16:45 CST		0	Hail (2.75 in)
	05/23/11 16:45 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<hr/>				
ARCHER COUNTY --- 2.0 NW ARCHER CITY [33.61, -98.65]				
	05/23/11 18:08 CST		0	Hail (1.00 in)
	05/23/11 18:08 CST		0	Source: Public

An isolated supercell moved east through northern Texas, producing hail larger than baseballs.