

Storm Data and Unusual Weather Phenomena - November 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-Z008) KAY, (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-Z032) HUGHES, (OK-Z033) HARMON, (OK-Z034) GREER, (OK-Z035) KIOWA, (OK-Z036) JACKSON, (OK-Z037) TILLMAN, (OK-Z038) COMANCHE, (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

11/01/11 00:00 CST	0	Drought
11/30/11 23:59 CST	0	

The continuation of much needed rainfall occurred during the month of November, which helped alleviate the devastating drought somewhat over Oklahoma.

JEFFERSON COUNTY --- 2.5 WSW CORNISH [34.15, -97.64], 1.6 SE RINGLING [34.16, -97.57], 3.5 NE RINGLING [34.21, -97.54], 2.0 WNW RINGLING [34.20, -97.62]

11/06/11 23:00 CST	0	Flash Flood (due to Heavy Rain)
11/07/11 02:00 CST	0	Source: Law Enforcement

Some county roads were impassable. Pine Street was closed just west of town. Highway 89 near Long Branch Creek was partially underwater 1 mile south of town.

CARTER COUNTY --- 2.0 NE HEALDTON [34.25, -97.46], 1.9 ESE HEALDTON [34.22, -97.46], 3.2 SW HEALDTON [34.20, -97.53], 2.1 NW HEALDTON [34.25, -97.52]

11/06/11 23:30 CST	0	Flash Flood (due to Heavy Rain)
11/07/11 01:30 CST	0	Source: Law Enforcement

A few streets in the town of Healdton were closed due to high water. Other county roads around town were closed as well.

MURRAY COUNTY --- 1.1 SE SULPHUR [34.50, -96.96], 0.9 NE SULPHUR [34.52, -96.96], 1.1 NW SULPHUR [34.52, -96.98], 1.2 SW SULPHUR [34.50, -96.99]

11/07/11 00:00 CST	0	Flood (due to Heavy Rain)
11/07/11 01:00 CST	0	Source: Trained Spotter

A resident of Sulphur measured over 5 inches of rainfall. Over a foot of water had accumulated in the areas of town.

MURRAY COUNTY --- 0.7 S TURNER FALLS [34.42, -97.15], 3.9 W TURNER FALLS [34.44, -97.22], 3.8 W DAVIS [34.50, -97.19], 3.5 NE DAVIS [34.53, -97.07], 4.5 N DOUGHERTY [34.46, -97.04]

11/07/11 01:00 CST	0	Flash Flood (due to Heavy Rain)
11/07/11 02:45 CST	0	Source: Law Enforcement

Several foot bridges were damaged from the high water in the park. A few of the outbuildings in the park were flooded. High water from the creek strand a few people at the park.

MURRAY COUNTY --- 1.9 SE DAVIS [34.48, -97.10], 2.0 NE DAVIS [34.52, -97.09], 2.5 NW DAVIS [34.52, -97.15], 2.4 WSW DAVIS [34.48, -97.15]

11/07/11 01:30 CST	0	Flash Flood (due to Heavy Rain)
11/07/11 02:45 CST	0	Source: Emergency Manager

A culvert was washed out on Hanover Street between Cherry Road and Highway 7.

MURRAY COUNTY --- 0.6 W SULPHUR [34.51, -96.98], 0.9 ENE SULPHUR [34.52, -96.96], 1.5 SE SULPHUR [34.49, -96.95], 1.7 SW SULPHUR [34.49, -96.99]

11/07/11 02:00 CST	0	Flash Flood (due to Heavy Rain)
11/07/11 03:30 CST	0	Source: Fire Department/Rescue

A few streets in Sulphur were closed for several hours before opening back by late morning.

MURRAY COUNTY --- 3.3 WSW HICKORY [34.55, -96.92], 3.0 WNW SULPHUR [34.53, -97.02], 3.2 SW SULPHUR [34.48, -97.02], 2.6 SE SULPHUR [34.48, -96.94]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	11/07/11 03:20 CST		0	Flash Flood (due to Heavy Rain)
	11/07/11 04:30 CST		0	Source: Public
A few homes were flooded along 10th Street and along 15th Street near Muskogee and Vinitia Streets. The athletic complex in town was also flooded.				
A line of thunderstorms with heavy rainfall developed over parts of southern Oklahoma during the evening hours and continued for several hours of the 6th. The line moved little and widespread Rainfall totals of 5-9 inches were reported across parts of Jefferson, Carter and Murray counties. Numerous roadways had to be closed due to the them being impassable. A few buildings also took in water, especially near Turner Falls and Sulphur. The rainfall finally moved further north early on the 7th, with less flooding reported.				
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HARMON COUNTY --- 5.0 W HOLLIS [34.69, -100.01]				
	11/07/11 13:50 CST		0	Hail (1.75 in)
	11/07/11 13:50 CST		0	Source: Trained Spotter
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GREER COUNTY --- 1.0 W REED [34.90, -99.72]				
	11/07/11 14:25 CST		0	Hail (1.75 in)
	11/07/11 14:25 CST		0	Source: Storm Chaser
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GREER COUNTY --- 10.0 W MANGUM [34.88, -99.68]				
	11/07/11 14:30 CST		0	Hail (1.75 in)
	11/07/11 14:30 CST		0	Source: Emergency Manager
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JACKSON COUNTY --- 9.0 SSE HESS [34.34, -99.21], 8.3 SSE HESS [34.36, -99.19]				
	11/07/11 14:39 CST		0	Tornado (EF0, L: 1.49 mi , W: 200 yd)
	11/07/11 14:43 CST		0	Source: NWS Storm Survey
This tornado continued northeast from Wilbarger county, Texas into far southeast Jackson County, OK before moving into Tillman County. No known damage occurred in Jackson County.				
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TILLMAN COUNTY --- 7.3 S TIPTON ARPT [34.36, -99.19], 3.2 NNE TIPTON [34.54, -99.11]				
	11/07/11 14:43 CST		0	Tornado (EF4, L: 15.00 mi , W: 500 yd)
	11/07/11 15:13 CST		0	Source: NWS Storm Survey
This violent tornado continued northeast into Tillman county about 9 miles SSW of Tipton. The most severe damage occurred at the Oklahoma State University Agronomy Research Station. The buildings at the site were demolished, with most of the debris thrown into the nearby fields. The trees surrounding the site were debarked and splintered. Other damage was to the Tipton Mesonet site that took a direct hit. The wind speed maxed out at 86.4 mph before the site was demolished by flying debris. The tornado lifted about 3 miles NNE of Tipton.				
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TILLMAN COUNTY --- 3.0 S TIPTON [34.46, -99.14]				
	11/07/11 14:59 CST		0	Tornado (EF0, L: 0.50 mi , W: 75 yd)
	11/07/11 14:59 CST		0	Source: Storm Chaser
A satellite tornado was observed rotating around the EF4 tornado south of Tipton. No damage is known to have occurred from this tornado.				
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TILLMAN COUNTY --- 2.5 WNW MANITOU [34.53, -99.02], 5.9 N MANITOU [34.59, -98.96]				
	11/07/11 15:15 CST		0	Tornado (EF0, L: 5.90 mi , W: 400 yd)
	11/07/11 15:26 CST		0	Source: NWS Storm Survey
Another large tornado developed west-northwest of Manitou, OK and moved north-northeast toward the Kiowa county border. The tornado crossed into Kiowa county just east of US Highway 183.				
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KIOWA COUNTY --- 6.0 S LONE WOLF [34.90, -99.25]				
	11/07/11 15:20 CST		0	Hail (1.25 in)
	11/07/11 15:20 CST		0	Source: Emergency Manager
The hail was reported near the town of Lugert.				
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KIOWA COUNTY --- 10.0 S SNYDER [34.52, -98.95]				
	11/07/11 15:25 CST		0	Thunderstorm Wind (EG 61 kt)
	11/07/11 15:25 CST		0	Source: Trained Spotter

The wind gust was estimated.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
KIOWA COUNTY --- 4.6 S SNYDER [34.59, -98.96], 4.5 S SNYDER [34.60, -98.96]				
	11/07/11 15:26 CST		0	Tornado (EF0, L: 0.15 mi , W: 200 yd)
	11/07/11 15:27 CST		0	Source: NWS Storm Survey
This tornado continued into Kiowa County from Tillman County. The tornado only briefly entered the county before dissipating with no damage reported.				
KIOWA COUNTY --- 2.6 E SNYDER [34.66, -98.90]				
	11/07/11 15:38 CST		0	Tornado (EF0, L: 0.50 mi , W: 100 yd)
	11/07/11 15:38 CST		0	Source: NWS Employee
This brief tornado occurred east of Snyder, north of US Highway 62. No known damage occurred with this tornado.				
KIOWA COUNTY --- 1.0 N SNYDER [34.67, -98.95]				
	11/07/11 15:50 CST		0	Hail (2.00 in)
	11/07/11 15:50 CST		0	Source: COOP Observer
KIOWA COUNTY --- 6.7 ENE MOUNTAIN PARK [34.73, -98.84], 7.5 ENE MOUNTAIN PARK [34.74, -98.83]				
	11/07/11 15:52 CST		0	Tornado (EF0, L: 0.90 mi , W: 200 yd)
	11/07/11 15:53 CST		0	Source: Trained Spotter
This tornado began just west of the Wichita Mountain Wildlife Refuge in Kiowa county, and continued northeast through the refuge, and then entered Kiowa county a 2nd time before lifting. This portion of the tornado was only briefly in Kiowa county with no known damage reported.				
COMANCHE COUNTY --- 6.6 W WICHITA MTNS NWR HQ [34.74, -98.83], 8.4 NW MEERS [34.85, -98.70]				
	11/07/11 15:53 CST		0	Tornado (EF0, L: 11.00 mi , W: 500 yd)
	11/07/11 16:16 CST		0	Source: NWS Employee
This large tornado developed just west of the Wichita Mountain Wildlife Refuge in Kiowa County, then moved northeast into Comanche County and over the refuge. An elk was killed in the park, but little other damage occurred, despite the large size of the tornado. The tornado moved back into Kiowa County near Saddle Mountain.				
BECKHAM COUNTY --- 10.0 S SAYRE [35.16, -99.64]				
	11/07/11 16:12 CST		0	Hail (1.75 in)
	11/07/11 16:12 CST		0	Source: Emergency Manager
KIOWA COUNTY --- 9.9 E COOPERTON [34.85, -98.70], 10.1 E COOPERTON [34.88, -98.69]				
	11/07/11 16:16 CST		0	Tornado (EF0, L: 1.48 mi , W: 150 yd)
	11/07/11 16:18 CST		0	Source: NWS Employee
This large tornado continued into Kiowa county from Comanche county. The tornado dissipated about 1 mile east-northeast of the community of Saddle Mountain, shortly after entering the county for the 2nd time. No known damage occurred with this portion of the tornado.				
KIOWA COUNTY --- 11.1 E COOPERTON [34.88, -98.67], 12.5 E COOPERTON [34.89, -98.65]				
	11/07/11 16:19 CST		0	Tornado (EF0, L: 1.40 mi , W: 100 yd)
	11/07/11 16:22 CST		0	Source: NWS Employee
This brief tornado occurred east-northeast of Saddle Mountain. No known damage occurred with the tornado.				
KIOWA COUNTY --- 13.2 E COOPERTON [34.91, -98.64]				
	11/07/11 16:24 CST		0	Tornado (EF0, L: 0.50 mi , W: 100 yd)
	11/07/11 16:26 CST		0	Source: NWS Employee
This brief tornado occurred northeast of Saddle Mountain and just south of State Highway 19. No known damage occurred with the tornado.				
KAY COUNTY --- 1.0 W TONKAWA [36.68, -97.33]				
	11/07/11 16:34 CST		0	Hail (1.00 in)
	11/07/11 16:34 CST		0	Source: Emergency Manager
CADDO COUNTY --- 7.8 SSE CARNEGIE [35.00, -98.54], 6.2 SE CARNEGIE [35.04, -98.52]				

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	11/07/11 16:40 CST		0	Tornado (EF0, L: 3.00 mi , W: 150 yd)
	11/07/11 16:48 CST		0	Source: NWS Employee

Several storm spotters observed a tornado southeast of Carnegie. This tornado moved about 3 miles to the northeast, but no reports of damage were received.

WASHITA COUNTY --- BURNS FLAT [35.36, -99.18]

	11/07/11 16:48 CST		0	Thunderstorm Wind (MG 80 kt)
	11/07/11 16:48 CST		0	Source: ASOS

The wind gust was measured at KCSM.

CADDO COUNTY --- 5.9 SE CARNEGIE [35.04, -98.52], 2.4 WSW ALBERT [35.21, -98.45]

	11/07/11 16:51 CST		0	Tornado (EF1, L: 13.00 mi , W: 400 yd)
	11/07/11 17:17 CST		0	Source: NWS Storm Survey

Several storm spotters observed a tornado that moved 13 miles from southwest of Fort Cobb to Fort Cobb Lake to SW of Albert. This tornado was observed to be multiple vortex at times. Near the beginning of the tornado path, a barn and cattle pens were damaged. As the tornado approached Fort Cobb Lake, the Oklahoma Mesonet weather station just south of Fort Cobb Lake reported a wind gust of 91 mph at 5:08 pm CST before a large irrigation pivot from a nearby field knocked the instrument tower down.

WASHITA COUNTY --- 4.0 W BESSIE [35.38, -99.06]

	11/07/11 17:18 CST		0	Hail (1.75 in)
	11/07/11 17:18 CST		0	Source: Fire Department/Rescue

The wind gusts were also estimated at 60 mph.

WASHITA COUNTY --- CORN [35.38, -98.78]

	11/07/11 17:31 CST		0	Hail (1.75 in)
	11/07/11 17:31 CST		0	Source: Trained Spotter

In addition to the hail, the winds were estimated at 60 mph.

CADDO COUNTY --- HYDRO [35.55, -98.58]

	11/07/11 18:06 CST		0	Hail (1.00 in)
	11/07/11 18:06 CST		0	Source: Law Enforcement

JACKSON COUNTY --- 7.0 W ALTUS [34.64, -99.45]

	11/07/11 18:39 CST		0	Hail (1.75 in)
	11/07/11 18:39 CST		0	Source: Amateur Radio

JACKSON COUNTY --- MARTHA [34.73, -99.39]

	11/07/11 18:39 CST		0	Hail (1.00 in)
	11/07/11 18:39 CST		0	Source: Amateur Radio

JACKSON COUNTY --- 2.0 N BLAIR [34.81, -99.33]

	11/07/11 18:41 CST		0	Hail (1.75 in)
	11/07/11 18:41 CST		0	Source: Amateur Radio

JACKSON COUNTY --- MARTHA [34.73, -99.39]

	11/07/11 18:43 CST		0	Hail (1.75 in)
	11/07/11 18:43 CST		0	Source: Amateur Radio

JACKSON COUNTY --- (LTS)ALTUS AFB [34.66, -99.29]

	11/07/11 19:12 CST		0	Thunderstorm Wind (MG 58 kt)
	11/07/11 19:12 CST		0	Source: ASOS

The wind gust was measured at KLTS.

JACKSON COUNTY --- (LTS)ALTUS AFB [34.66, -99.29]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	11/07/11 20:14 CST		0	Thunderstorm Wind (MG 63 kt)
	11/07/11 20:14 CST		0	Source: ASOS
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JACKSON COUNTY --- 3.0 N ALTUS [34.68, -99.33]				
	11/07/11 20:15 CST		0	Thunderstorm Wind (MG 54 kt)
	11/07/11 20:15 CST		0	Source: AWOS
The wind gust was measured at the Altus/Quartz Mountain Airport.				
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PAYNE COUNTY --- 2.0 NNW PERKINS [36.01, -97.04]				
	11/07/11 20:25 CST		0	Thunderstorm Wind (MG 57 kt)
	11/07/11 20:25 CST		0	Source: Mesonet
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PAYNE COUNTY --- 2.0 NNW PERKINS [36.01, -97.04]				
	11/07/11 20:30 CST		0	Thunderstorm Wind (MG 70 kt)
	11/07/11 20:30 CST		0	Source: Mesonet
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CADDO COUNTY --- 7.0 SSW FT COBB [35.01, -98.49]				
	11/07/11 21:30 CST		0	Hail (1.00 in)
	11/07/11 21:30 CST		0	Source: Amateur Radio
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MCCLAIN COUNTY --- 4.0 W NEWCASTLE [35.25, -97.67]				
	11/07/11 22:45 CST		0	Hail (1.00 in)
	11/07/11 22:45 CST		0	Source: Trained Spotter
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MCCLAIN COUNTY --- 3.0 NE BLANCHARD [35.17, -97.62], 4.5 NE BLANCHARD [35.18, -97.60]				
	11/07/11 22:47 CST		0	Tornado (EF1, L: 1.60 mi , W: 110 yd)
	11/07/11 22:49 CST		0	Source: NWS Storm Survey
This tornado began northeast of Blanchard, paralleling Highway 62 on the north side. Most of the damage was confined to trees being snapped, with slightly more severe damage as the tornado crossed Highway 62, south of Highway 9. A barn lost most of its roof, with other roof/siding/awning damage to a residence as well. The tornado lifted prior to reaching the H.E. Bailey spur of I-44.				
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CLEVELAND COUNTY --- 2.0 NW NORMAN [35.24, -97.47]				
	11/07/11 23:00 CST		0	Thunderstorm Wind (EG 61 kt)
	11/07/11 23:00 CST		0	Source: Public
Damage was reported to hangars and planes at Max Westheimer Airport.				
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CLEVELAND COUNTY --- 1.0 NE (OUN)NORMAN WESTHEIMER ARPT [35.26, -97.46]				
	11/07/11 23:06 CST		0	Thunderstorm Wind (EG 61 kt)
	11/07/11 23:06 CST		0	Source: NWS Employee
The wind gust was estimated near 12th Avenue NE and Tecumseh Road.				
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CARTER COUNTY --- DICKSON [34.19, -96.99]				
	11/08/11 07:15 CST		0	Thunderstorm Wind (EG 61 kt)
	11/08/11 07:15 CST		0	Source: Emergency Manager
Power poles and lines were blown down. A few outbuildings were damaged and a utility trailer rolled.				
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MARSHALL COUNTY --- 5.0 NNW LEBANON [34.05, -96.94]				
	11/08/11 07:15 CST		0	Thunderstorm Wind (MG 53 kt)
	11/08/11 07:15 CST		0	Source: Mesonet
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MARSHALL COUNTY --- MADILL [34.09, -96.77]				
	11/08/11 07:25 CST		0	Thunderstorm Wind (EG 56 kt)
	11/08/11 07:25 CST		0	Source: Emergency Manager
Numerous trees were blown down. Minor structural damage was also reported.				

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JOHNSTON COUNTY --- 6.0 N TISHOMINGO [34.32, -96.68]				
	11/08/11 07:40 CST		0	Thunderstorm Wind (MG 67 kt)
	11/08/11 07:40 CST		0	Source: Mesonet

A powerful storm system moving through the southern Great Plains produced tornadoes, large hail, damaging winds and flooding across parts of Oklahoma and western north Texas on November 7-8, 2011.

The strong storm system generated severe weather including tornadoes, large hail, damaging winds and flooding from the early afternoon of November 7th through the early morning of November 8th. Several supercell thunderstorms developed over southwest Oklahoma during the mid-afternoon hours and moved northeast. One particularly nasty supercell thunderstorm developed over northern Wilbarger county in north Texas. This thunderstorm moved northeast into Tillman county, eventually producing at least eight tornadoes over a five county area. Two of the tornadoes moved near two Oklahoma Mesonet sites, both taking direct hits. The Mesonet site at Tipton measured 86.4 mph before it was destroyed. The Mesonet site near Fort Cobb measured 91.4 mph before it was destroyed. Both sites also recorded significant drops in surface pressure. Other supercells over southwest Oklahoma eventually congealed into a complex of storms and moved east into central Oklahoma. Numerous reports of high winds (92 mph near Clinton, OK) and hail up to golf ball-size were reported. The severe threat transitioned to a heavy rain and high threat after sunset.

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

11/01/11 00:00 CST	0	Drought
11/30/11 23:59 CST	0	

Much needed rainfall fell over western north Texas during parts of November, which did a little to alleviate the horrendous drought that had plagued the region for much of the year. Although the rainfall was very beneficial, little change occurred to the geography of the drought due to its severity.

WILBARGER COUNTY --- 4.4 NE FARGO [34.33, -99.22], 5.3 NE FARGO [34.34, -99.21]

11/07/11 14:38 CST	0	Tornado (EF0, L: 0.90 mi , W: 100 yd)
11/07/11 14:39 CST	0	Source: NWS Storm Survey

This tornado began over far northern Wilbarger county before quickly moving into Jackson county, OK and continuing into Tillman county. No known damage occurred with this portion of the tornado.

Although much of the severe weather remained north of the Red River, a particularly nasty supercell thunderstorm began over far northern Wilbarger county. The tornado was only briefly in the county before it crossed the river into Jackson county, Oklahoma.