

## Storm Data and Unusual Weather Phenomena - May 2010

| Location   | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details                  |
|--|--------------------|----------------------|------------------------|---|
| <b>OKLAHOMA, Western, Central and Southeast</b>  |                    |                      |                        |   |
| <b>GARFIELD COUNTY --- ENID [36.40, -97.88]</b>  |                    |                      |                        |   |
|  | 05/09/10 16:15 CST |                      | 0                      | Hail (0.88 in)                          |
|  | 05/09/10 16:15 CST |                      | 0                      | Source: Emergency Manager               |
| The hail was reported on the west side of Enid.  |                    |                      |                        |   |
| <b>GRADY COUNTY --- VERDEN [35.08, -98.09]</b>   |                    |                      |                        |   |
|  | 05/09/10 16:47 CST |                      | 0                      | Hail (1.00 in)                          |
|  | 05/09/10 16:47 CST |                      | 0                      | Source: Emergency Manager               |
| <b>KAY COUNTY --- KILDARE [36.81, -97.05]</b>  |                    |                      |                        |   |
|  | 05/09/10 17:20 CST |                      | 0                      | Hail (1.00 in)                          |
|  | 05/09/10 17:20 CST |                      | 0                      | Source: Public                          |
| Thunderstorms developed in the afternoon over parts of central and northern Oklahoma, with the strongest storms briefly producing some quarter sized hail. No damage was reported with the hail. |                    |                      |                        |   |
| <b>WOODS COUNTY --- ALVA [36.80, -98.67]</b>   |                    |                      |                        |   |
|  | 05/10/10 13:45 CST |                      | 0                      | Hail (1.50 in)                          |
|  | 05/10/10 13:45 CST |                      | 0                      | Source: Public                          |
| The hail was reported on the northwest side of town.   |                    |                      |                        |   |
| <b>ALFALFA COUNTY --- LAMBERT [36.68, -98.42]</b>  |                    |                      |                        |   |
|  | 05/10/10 14:03 CST |                      | 0                      | Hail (1.75 in)                          |
|  | 05/10/10 14:03 CST |                      | 0                      | Source: Trained Spotter                 |
| <b>ALFALFA COUNTY --- CHEROKEE [36.75, -98.35]</b>   |                    |                      |                        |   |
|  | 05/10/10 14:10 CST |                      | 0                      | Hail (4.25 in)                          |
|  | 05/10/10 14:10 CST |                      | 0                      | Source: Storm Chaser                    |
| The hail broke numerous winds at several businesses. The report was relayed by NWS Tulsa.  |                    |                      |                        |   |
| <b>GRANT COUNTY --- 6.4 S MANCHESTER [36.90, -98.06]</b>   |                    |                      |                        |   |
|  | 05/10/10 14:25 CST |                      | 0                      | Hail (1.75 in)                          |
|  | 05/10/10 14:35 CST |                      | 0                      | Source: Trained Spotter                 |
| <b>GRANT COUNTY --- WAKITA [36.88, -97.92]</b>   |                    |                      |                        |   |
|  | 05/10/10 14:30 CST |                      | 0                      | Hail (2.75 in)                          |
|  | 05/10/10 14:45 CST |                      | 0                      | Source: Public                          |
| <b>GRANT COUNTY --- 8.5 N NASH [36.79, -98.06]</b>   |                    |                      |                        |   |
|  | 05/10/10 14:33 CST |                      | 0                      | Tornado (EF0, L: 0.50 mi , W: 20 yd)    |
|  | 05/10/10 14:33 CST |                      | 0                      | Source: Storm Chaser                    |
| Tornado #A1. A brief tornado was observed southwest of SH-132 and SH-11 by several storm chasers. No known damage occurred.  |                    |                      |                        |   |
| <b>GRANT COUNTY --- 7.9 SW WAKITA [36.81, -98.03], 10.6 NNE DEER CREEK [36.96, -97.46]</b>   |                    |                      |                        |   |
|  | 05/10/10 14:38 CST |                      | 0                      | Tornado (EF3, L: 33.00 mi , W: 1500 yd) |
|  | 05/10/10 15:19 CST | 1                    | 0                      | Source: NWS Storm Survey                |

This is the Grant County portion of tornado #A2. This tornado developed as a multiple-vortex tornado along State Highway 11 southwest of Wakita. The tornado initially moved east and southeast continuing to affect State Highway 11 before beginning an east-northeast movement across Grant County. The tornado was a large and occasionally multiple-vortex tornado as it moved northwest and north of Medford and was embedded within a larger scale circulation that was strong enough to produce damage along a wide area around the tornado path. The tornado caused significant structural damage about 5 miles northwest of Medford and 5 miles east of Renfrow, and many areas of tree and power pole damage. This tornado moved into Kay County.

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|--|--------------------|----------------------|------------------------|---------------------------------------|
| <b>GARFIELD COUNTY --- WAUKOMIS [36.28, -97.90]</b>  |                    |                      |                        |                                       |
|  | 05/10/10 14:57 CST |                      | 0                      | Hail (1.75 in)                        |
|  | 05/10/10 15:00 CST |                      | 0                      | Source: Amateur Radio                 |
| <b>GRANT COUNTY --- 3.0 SE RENFROW [36.89, -97.62]</b>   |                    |                      |                        |                                       |
|  | 05/10/10 15:00 CST |                      | 0                      | Hail (2.75 in)                        |
|  | 05/10/10 15:00 CST |                      | 0                      | Source: Public                        |
| <b>OKLAHOMA COUNTY --- 1.5 SSE WARR ACRES [35.50, -97.61]</b>  |                    |                      |                        |                                       |
|  | 05/10/10 15:00 CST |                      | 0                      | Hail (1.50 in)                        |
|  | 05/10/10 15:00 CST |                      | 0                      | Source: NWS Employee                  |
| <b>GARFIELD COUNTY --- 5.0 E (END)VANCE AFB ENID [36.34, -97.83]</b>   |                    |                      |                        |                                       |
|  | 05/10/10 15:02 CST |                      | 0                      | Hail (1.00 in)                        |
|  | 05/10/10 15:02 CST |                      | 0                      | Source: Amateur Radio                 |
| <b>GARFIELD COUNTY --- 2.0 E FAIRMONT [36.35, -97.66]</b>  |                    |                      |                        |                                       |
|  | 05/10/10 15:03 CST |                      | 0                      | Hail (1.25 in)                        |
|  | 05/10/10 15:03 CST |                      | 0                      | Source: Public                        |
| <b>GRANT COUNTY --- 2.9 NW MEDFORD [36.84, -97.77], 2.8 NW MEDFORD [36.84, -97.77]</b>   |                    |                      |                        |                                       |
|  | 05/10/10 15:03 CST |                      | 0                      | Tornado (EF0, L: 0.30 mi , W: 30 yd)  |
|  | 05/10/10 15:04 CST |                      | 0                      | Source: Storm Chaser                  |
| Tornado #A3. A brief tornado was observed southwest of the main tornado moving through Grant County. No damage was reported and the location is estimated.   |                    |                      |                        |                                       |
| <b>GARFIELD COUNTY --- 3.0 E WAUKOMIS [36.28, -97.85]</b>  |                    |                      |                        |                                       |
|  | 05/10/10 15:08 CST |                      | 0                      | Hail (1.75 in)                        |
|  | 05/10/10 15:08 CST |                      | 0                      | Source: Public                        |
| <b>GARFIELD COUNTY --- 1.0 SE FAIRMONT [36.34, -97.69]</b>   |                    |                      |                        |                                       |
|  | 05/10/10 15:10 CST |                      | 0                      | Hail (2.00 in)                        |
|  | 05/10/10 15:10 CST |                      | 0                      | Source: Amateur Radio                 |
| <b>GRANT COUNTY --- 7.3 E RENFROW [36.92, -97.53], 9.6 NNE DEER CREEK [36.94, -97.46]</b>  |                    |                      |                        |                                       |
|  | 05/10/10 15:15 CST |                      | 0                      | Tornado (EF1, L: 4.00 mi , W: 500 yd) |
|  | 05/10/10 15:22 CST |                      | 0                      | Source: NWS Storm Survey              |
| This is the Grant County portion of tornado #A4. A tornado developed and moved east-northeast a few minutes behind Tornado #A2 along a nearly parallel path to the south. This tornado produced significant tree damage and snapped power poles in Grant County before moving into Kay County. |                    |                      |                        |                                       |
| <b>NOBLE COUNTY --- 5.5 E BILLINGS [36.53, -97.34]</b>   |                    |                      |                        |                                       |
|  | 05/10/10 15:15 CST |                      | 0                      | Hail (4.75 in)                        |
|  | 05/10/10 15:15 CST |                      | 0                      | Source: Trained Spotter               |
| The hail dented the siding and broke the windows of several cars. Monetary damage estimates were not available.  |                    |                      |                        |                                       |
| <b>GARFIELD COUNTY --- GARBER [36.44, -97.58]</b>  |                    |                      |                        |                                       |
|  | 05/10/10 15:17 CST |                      | 0                      | Hail (2.50 in)                        |
|  | 05/10/10 15:25 CST |                      | 0                      | Source: Amateur Radio                 |
| <b>KAY COUNTY --- 6.3 WNW BRAMAN [36.95, -97.44], 3.9 N BRAMAN [36.98, -97.32]</b>   |                    |                      |                        |                                       |
|  | 05/10/10 15:17 CST |                      | 0                      | Tornado (EF1, L: 6.70 mi , W: 400 yd) |
|  | 05/10/10 15:26 CST |                      | 0                      | Source: NWS Storm Survey              |

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|--|-----------|----------------------|------------------------|------------------------|
| Tornado #A5. Another tornado developed and moved a few minutes ahead of tornado #A2 and a couple of miles to the south. The tornado caused significant tree damage along the entire path. Just west of Interstate 35, a house suffered significant roof damage, although it was somewhat protected by a number of large trees just west of the house. Two semi trucks was blown over as this tornado crossed Interstate 35 two miles south of the Kansas state line. |           |                      |                        |                        |

|  |                    |   |   |  |
|--|--------------------|---|---|--|
| <b>KAY COUNTY --- 7.7 WNW BRAMAN [36.96, -97.46], 5.6 N BRAMAN [37.00, -97.34]</b> |                    |   |   |  |
|  | 05/10/10 15:19 CST |   | 0 | Tornado (EF3, L: 7.00 mi , W: 1500 yd) |
|  | 05/10/10 15:30 CST | 1 | 0 | Source: NWS Storm Survey               |

This is the Kay County portion of tornado #A2. The tornado crossed into Kay County from Grant County and continued to produce significant damage. One home was destroyed and another significantly damaged between the Grant County line and U.S. Highway 177. After the tornado crossed US-177, an anchored mobile home was destroyed and blown to the east, and a tri-level home was destroyed with the top floor blown about 50 yards northeast into some trees, and the ground floor pivoted and was displaced to the northwest exposing the basement where one minor injury occurred. The tornado continued to produce significant tree damage as it moved east-northeast, and blew semi trucks over along Interstate 35 at the Kansas state line. This tornado crossed into Sumner County Kansas. See documentation from the NWS Wichita KS for additional information.

|  |                    |  |   |                                      |
|--|--------------------|--|---|--------------------------------------|
| <b>KAY COUNTY --- 6.2 N NARDIN [36.90, -97.45], 6.0 W BRAMAN [36.90, -97.44]</b> |                    |  |   |                                      |
|  | 05/10/10 15:21 CST |  | 0 | Tornado (EF0, L: 0.75 mi , W: 50 yd) |
|  | 05/10/10 15:22 CST |  | 0 | Source: NWS Storm Survey             |

Tornado #A6. An anticyclonic tornado snapped a power pole and damaged trees as it moved east-northeast.

|  |                    |  |   |                                       |
|--|--------------------|--|---|---------------------------------------|
| <b>KAY COUNTY --- 7.4 WNW BRAMAN [36.94, -97.46], 6.6 WNW BRAMAN [36.95, -97.44]</b> |                    |  |   |                                       |
|  | 05/10/10 15:22 CST |  | 0 | Tornado (EF1, L: 1.00 mi , W: 500 yd) |
|  | 05/10/10 15:23 CST |  | 0 | Source: NWS Storm Survey              |

Kay County portion of tornado #A4. This tornado moved into Kay County from Grant County and continued to produce tree damage before dissipating about one mile inside Kay County.

|  |                    |  |   |                         |
|--|--------------------|--|---|-------------------------|
| <b>NOBLE COUNTY --- 8.0 E BILLINGS [36.53, -97.30]</b> |                    |  |   |                         |
|  | 05/10/10 15:30 CST |  | 0 | Hail (2.75 in)          |
|  | 05/10/10 15:30 CST |  | 0 | Source: Trained Spotter |

|   |                    |  |   |                         |
|---|--------------------|--|---|-------------------------|
| <b>GRADY COUNTY --- 1.0 N MINCO [35.32, -97.94]</b> |                    |  |   |                         |
|   | 05/10/10 15:39 CST |  | 0 | Hail (1.50 in)          |
|   | 05/10/10 15:39 CST |  | 0 | Source: Trained Spotter |

|   |                    |  |   |                         |
|---|--------------------|--|---|-------------------------|
| <b>GRADY COUNTY --- MINCO [35.31, -97.94]</b> |                    |  |   |                         |
|   | 05/10/10 15:39 CST |  | 0 | Hail (1.75 in)          |
|   | 05/10/10 15:40 CST |  | 0 | Source: Trained Spotter |

|   |                    |  |   |                         |
|---|--------------------|--|---|-------------------------|
| <b>CANADIAN COUNTY --- 3.0 ESE UNION CITY [35.37, -97.89]</b> |                    |  |   |                         |
|   | 05/10/10 15:40 CST |  | 0 | Hail (1.00 in)          |
|   | 05/10/10 15:40 CST |  | 0 | Source: Trained Spotter |

|  |                    |  |   |                                      |
|--|--------------------|--|---|--------------------------------------|
| <b>CANADIAN COUNTY --- 3.8 NNE UNION CITY [35.44, -97.91], 6.2 ESE EL RENO [35.48, -97.86]</b> |                    |  |   |                                      |
|  | 05/10/10 15:46 CST |  | 0 | Tornado (EF0, L: 4.00 mi , W: 40 yd) |
|  | 05/10/10 15:52 CST |  | 0 | Source: Broadcast Media              |

Tornado #C1. A tornado was observed and photographed by broadcast media and numerous citizens southwest of Yukon. No damage was reported and the path was estimated.

|   |                    |  |   |                                      |
|---|--------------------|--|---|--------------------------------------|
| <b>CANADIAN COUNTY --- 5.7 N PIEDMONT [35.72, -97.75]</b> |                    |  |   |                                      |
|   | 05/10/10 15:46 CST |  | 0 | Tornado (EF0, L: 0.20 mi , W: 30 yd) |
|   | 05/10/10 15:46 CST |  | 0 | Source: NWS Storm Survey             |

Canadian County portion of tornado #H1. An outbuilding was significantly damaged just south of the Kingfisher County line and east of Piedmont Road. The storm then moved into Kingfisher County.

|   |  |  |  |  |
|---|--|--|--|--|
| <b>KINGFISHER COUNTY --- 6.2 SW CASHION [35.73, -97.74], 0.4 SE CASHION [35.80, -97.67]</b> |  |  |  |  |
|---|--|--|--|--|

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| Location | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details               |
|----------|--------------------|-------------------|---------------------|--------------------------------------|
|          | 05/10/10 15:46 CST |                   | 0                   | Tornado (EF0, L: 6.20 mi , W: 30 yd) |
|          | 05/10/10 15:54 CST |                   | 0                   | Source: NWS Storm Survey             |

Kingfisher County portion of Tornado #H1. This tornado moved into Kingfisher County from Canadian County and moved northeast damaging outbuildings, trees and power lines across the southeastern portion of Kingfisher County. The tornado moved into Logan County just southeast of Cashion.

| <b>NOBLE COUNTY --- 1.4 NNE RED ROCK [36.48, -97.17], 1.8 NNE RED ROCK [36.48, -97.16]</b> |                    |  |   |                                      |
|--|--------------------|--|---|--------------------------------------|
|  | 05/10/10 15:53 CST |  | 0 | Tornado (EF0, L: 0.50 mi , W: 20 yd) |
|  | 05/10/10 15:54 CST |  | 0 | Source: Storm Chaser                 |

Tornado #B1. Storm chasers reported a brief tornado north-northeast of Red Rock. No damage was reported and the location is estimated.

| <b>LOGAN COUNTY --- 6.1 W NAVINA [35.80, -97.67]</b> |                    |  |   |                                      |
|--|--------------------|--|---|--------------------------------------|
|  | 05/10/10 15:54 CST |  | 0 | Tornado (EF0, L: 0.50 mi , W: 30 yd) |
|  | 05/10/10 15:54 CST |  | 0 | Source: NWS Storm Survey             |

Logan County portion of tornado #H1. The tornado moved into Logan County from Kingfisher County just southeast of Cashion. The tornado moved northeast another half of a mile damaging tree limbs and an antenna.

| <b>KAY COUNTY --- 3.0 ESE WHITE EAGLE [36.60, -97.03]</b> |                    |  |   |                         |
|---|--------------------|--|---|-------------------------|
|   | 05/10/10 15:55 CST |  | 0 | Hail (1.75 in)          |
|   | 05/10/10 15:55 CST |  | 0 | Source: Law Enforcement |

The hail was reported approximately 8 miles south of Ponca City.

| <b>NOBLE COUNTY --- 4.7 ESE MARLAND [36.54, -97.07], 13.8 E MARLAND [36.59, -96.90]</b> |                    |  |   |   |
|---|--------------------|--|---|---|
|   | 05/10/10 16:00 CST |  | 0 | Tornado (EF1, L: 10.00 mi , W: 1000 yd) |
|   | 05/10/10 16:12 CST |  | 0 | Source: Emergency Manager               |

Tornado #B2. Storm chasers observed this tornado developing east of US-177. It quickly became rain-wrapped and moved across rural northeastern Noble County. A house was damaged 12.5 miles east of Marland just before the tornado crossed the Arkansas River into Osage County. See documentation from the NWS Tulsa OK for information about the tornado in Osage County.

| <b>NOBLE COUNTY --- 5.0 SE MARLAND [36.51, -97.09], 6.3 SE MARLAND [36.50, -97.07]</b> |                    |  |   |                                      |
|--|--------------------|--|---|--------------------------------------|
|  | 05/10/10 16:02 CST |  | 0 | Tornado (EF1, L: 1.50 mi , W: 40 yd) |
|  | 05/10/10 16:03 CST |  | 0 | Source: Emergency Manager            |

Tornado #B3. Storm chasers observed this anticyclonic tornado. Roof damage was reported a mile west of US-177, and some damage occurred at a casino as the tornado crossed US-177.

| <b>NOBLE COUNTY --- 8.3 E RED ROCK [36.48, -97.03]</b> |                    |  |   |                              |
|--|--------------------|--|---|------------------------------|
|  | 05/10/10 16:03 CST |  | 0 | Thunderstorm Wind (EG 70 kt) |
|  | 05/10/10 16:03 CST |  | 0 | Source: Emergency Manager    |

A barn was destroyed.

| <b>STEPHENS COUNTY --- 0.2 N CORUM [34.36, -98.10]</b> |                    |  |   |                         |
|--|--------------------|--|---|-------------------------|
|  | 05/10/10 16:03 CST |  | 0 | Hail (1.75 in)          |
|  | 05/10/10 16:03 CST |  | 0 | Source: Trained Spotter |

The hail was reported on Highway 53 at Corum Road.

| <b>JEFFERSON COUNTY --- 0.3 SSW HASTINGS [34.23, -98.11], 1.5 NNE WAURIKA LAKE DAM [34.26, -98.04]</b> |                    |  |   |                                      |
|--|--------------------|--|---|--------------------------------------|
|  | 05/10/10 16:05 CST |  | 0 | Tornado (EF1, L: 5.00 mi , W: 50 yd) |
|  | 05/10/10 16:14 CST |  | 0 | Source: Emergency Manager            |

Tornado #D1. A tornado developed within the town of Hastings and moved northeast, seriously damaging a home. The tornado continued northeast over Waurika Lake and dissipated near the east shore of the lake.

| <b>STEPHENS COUNTY --- 2.0 S COMANCHE [34.34, -97.97]</b> |                    |  |   |                         |
|---|--------------------|--|---|-------------------------|
|   | 05/10/10 16:06 CST |  | 0 | Hail (1.00 in)          |
|   | 05/10/10 16:06 CST |  | 0 | Source: Law Enforcement |

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|---|--------------------|----------------------|------------------------|---|
| <b>GRADY COUNTY --- 0.9 N TABLER [35.05, -97.82]</b>  |                    |                      |                        |   |
|   | 05/10/10 16:07 CST |                      | 0                      | Hail (1.75 in)                          |
|   | 05/10/10 16:07 CST |                      | 0                      | Source: Trained Spotter                 |
| <b>OKLAHOMA COUNTY --- 2.4 N THE VILLAGE [35.60, -97.54]</b>  |                    |                      |                        |   |
|   | 05/10/10 16:13 CST |                      | 0                      | Tornado (EF0, L: 0.20 mi , W: 20 yd)    |
|   | 05/10/10 16:13 CST |                      | 0                      | Source: Law Enforcement                 |
| Tornado #C2. An Oklahoma City police officer observed a tornado touch down briefly near Memorial Road and Pennsylvania Avenue. No damage was reported.  |                    |                      |                        |   |
| <b>MCCLAIN COUNTY --- 0.6 NE BLANCHARD [35.15, -97.65]</b>  |                    |                      |                        |   |
|   | 05/10/10 16:15 CST |                      | 0                      | Hail (1.00 in)                          |
|   | 05/10/10 16:15 CST |                      | 0                      | Source: NWS Employee                    |
| <b>OKLAHOMA COUNTY --- DEL CITY [35.45, -97.44]</b>   |                    |                      |                        |   |
|   | 05/10/10 16:15 CST |                      | 0                      | Hail (4.00 in)                          |
|   | 05/10/10 16:15 CST |                      | 0                      | Source: Public                          |
| <b>PAYNE COUNTY --- 5.2 SSW LAKE CARL BLACKWELL DAM [36.07, -97.23]</b>   |                    |                      |                        |   |
|   | 05/10/10 16:15 CST |                      | 0                      | Hail (0.75 in)                          |
|   | 05/10/10 16:15 CST |                      | 0                      | Source: Emergency Manager               |
| <b>CLEVELAND COUNTY --- MOORE [35.34, -97.49]</b>   |                    |                      |                        |   |
|   | 05/10/10 16:16 CST |                      | 0                      | Hail (2.75 in)                          |
|   | 05/10/10 16:16 CST |                      | 0                      | Source: Amateur Radio                   |
| <b>CLEVELAND COUNTY --- 0.9 S (OUN)NORMAN WESTHEIMER ARPT [35.24, -97.47]</b>   |                    |                      |                        |   |
|   | 05/10/10 16:20 CST |                      | 0                      | Thunderstorm Wind (MG 55 kt)            |
|   | 05/10/10 16:20 CST |                      | 0                      | Source: Mesonet                         |
| <b>CLEVELAND COUNTY --- 3.3 NW (OUN)NORMAN WESTHEIMER ARPT [35.29, -97.50], 4.1 NE STANLEY DRAPER LAKE DAM [35.38, -97.31]</b>  |                    |                      |                        |   |
|   | 05/10/10 16:20 CST |                      | 0                      | Tornado (EF3, L: 13.00 mi , W: 2000 yd) |
|   | 05/10/10 16:35 CST | 20                   | 0                      | Source: NWS Storm Survey                |
| This tornado is labeled I1. This long-tracked and devastating tornado developed west of I-35, northwest of Max Westheimer airport. Widespread tree, power line/pole damage was reported from near I-35 to the east side of Stanley Draper Lake. Several homes also sustained damage, mainly with mostly roofs receiving significant damage, and some siding was ripped off. Several fences were also knocked down as the tornado moved northeast. From the east side of Lake Stanley Draper, near Hiwassee Road and SE 89th Street, to just south of Harrah, the damage path became more severe and focused. The tree damage became more severe, breaking at various heights of the tree or being uprooted. Walls of homes collapsed, and debris from the homes scattered in all directions. Several 2x4's punctured roofs and ceilings over numerous structures. A few mobile homes in this area were also completely destroyed. Where the tornado crossed I-40, a gas station and drive-in restaurant sustained up to EF3 damage. The most severe damage, one of the two EF4 tornadoes of the day, occurred in the Deerfield West Subdivision. A well-built residence here was completely destroyed, with most exterior and interior walls collapsing. The tornado finally lifted 2 miles south of Harrah. In addition to the incredible damage, one person lost their life while trying to flee the tornado. |                    |                      |                        |   |
| <b>PAYNE COUNTY --- 10.9 SSW LAKE CARL BLACKWELL DAM [35.99, -97.23]</b>  |                    |                      |                        |   |
|   | 05/10/10 16:20 CST |                      | 0                      | Hail (1.75 in)                          |
|   | 05/10/10 16:35 CST |                      | 0                      | Source: Emergency Manager               |
| The hail was reported near 116th Street and Coyle Road.   |                    |                      |                        |   |
| <b>STEPHENS COUNTY --- 2.8 NE BRAY [34.66, -97.78], 5.2 ENE BRAY [34.68, -97.74]</b>  |                    |                      |                        |   |
|   | 05/10/10 16:20 CST |                      | 0                      | Tornado (EF1, L: 2.50 mi , W: 700 yd)   |
|   | 05/10/10 16:22 CST |                      | 0                      | Source: NWS Storm Survey                |
| The anticyclonic tornado moved from northeast Stephens County into southeast Grady County. Damage was reported to fences, trees, and around 20 power poles, and several structures were damaged. Minor damage to mobile homes was also reported. Monetary damages were estimated. This tornado is labeled #G1.  |                    |                      |                        |   |

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|---|--------------------|----------------------|------------------------|--|
| <b>CLEVELAND COUNTY --- 2.0 SSE MOORE [35.31, -97.48], 3.0 ENE MOORE [35.35, -97.44]</b>  |                    |                      |                        |  |
|   | 05/10/10 16:22 CST |                      | 0                      | Tornado (EF1, L: 3.75 mi , W: 250 yd)  |
|   | 05/10/10 16:27 CST |                      | 0                      | Source: NWS Storm Survey               |
| Tornado #12. Power poles and a house were damaged near and just east of Broadway Street and Eastern Avenue in the southern portion of Moore. As the tornado moved northeast, most of the roof was removed from a mobile home and trees were damaged west of Sunnyslane Road north of NE 12th Street, and shingle damage occurred on a house just east of Sunnyslane Road. |                    |                      |                        |  |
| <b>GRADY COUNTY --- 3.5 SSW COX CITY [34.68, -97.74], 2.7 ESE COX CITY [34.71, -97.69]</b>  |                    |                      |                        |  |
|   | 05/10/10 16:22 CST |                      | 0                      | Tornado (EF1, L: 3.75 mi , W: 700 yd)  |
|   | 05/10/10 16:27 CST |                      | 0                      | Source: NWS Storm Survey               |
| This tornado is labeled #G1. This anticyclonic tornado continued from northeast Stephens County into southeast Grady County. Damage was reported to fences, trees, and around 20 power poles, and several structures were damaged. Minor damage to mobile homes was also reported. Monetary damages were estimated.   |                    |                      |                        |  |
| <b>CLEVELAND COUNTY --- 4.0 W MOORE [35.34, -97.56]</b>   |                    |                      |                        |  |
|   | 05/10/10 16:23 CST |                      | 0                      | Hail (2.13 in)                         |
|   | 05/10/10 16:23 CST |                      | 0                      | Source: NWS Employee                   |
| <b>CLEVELAND COUNTY --- 1.0 ENE MOORE [35.35, -97.47]</b>   |                    |                      |                        |  |
|   | 05/10/10 16:25 CST |                      | 0                      | Hail (4.60 in)                         |
|   | 05/10/10 16:25 CST |                      | 0                      | Source: NWS Employee                   |
| Photographic evidence showed numerous hail stones at least softball size, with one picture showing a measured stone of 4.6". Other hail stones were reportedly up to 5" in diameter. Some of the hail either embedded in roof tops, or punctured their way through. Significant damage to automobiles was also reported throughout the town of Moore.                     |                    |                      |                        |  |
| <b>CLEVELAND COUNTY --- 4.3 WSW STANLEY DRAPER LAKE DAM [35.31, -97.42]</b>   |                    |                      |                        |  |
|   | 05/10/10 16:27 CST |                      | 0                      | Tornado (EF1, L: 0.50 mi , W: 50 yd)   |
|   | 05/10/10 16:27 CST |                      | 0                      | Source: Public                         |
| Tornado #13. Roof damage occurred at a restaurant near SE 34th Street and Sooner Road in southeast Moore. The tornado moved east-northeast across Sooner Road into a neighborhood, producing tree and roof damage before dissipating.   |                    |                      |                        |  |
| <b>PAYNE COUNTY --- 0.5 E (SWO)STILLWATER AIRPORT [36.16, -97.08]</b>   |                    |                      |                        |  |
|   | 05/10/10 16:29 CST |                      | 0                      | Hail (0.75 in)                         |
|   | 05/10/10 16:29 CST |                      | 0                      | Source: Emergency Manager              |
| <b>CLEVELAND COUNTY --- 1.0 ESE MOORE [35.33, -97.47]</b>   |                    |                      |                        |  |
|   | 05/10/10 16:30 CST |                      | 0                      | Hail (2.75 in)                         |
|   | 05/10/10 16:30 CST |                      | 0                      | Source: Public                         |
| Tree damage was also reported with the hail.  |                    |                      |                        |  |
| <b>OKLAHOMA COUNTY --- 3.0 S CHOCTAW [35.45, -97.27]</b>  |                    |                      |                        |  |
|   | 05/10/10 16:30 CST |                      | 0                      | Hail (1.75 in)                         |
|   | 05/10/10 16:30 CST |                      | 0                      | Source: Public                         |
| <b>CLEVELAND COUNTY --- 2.0 SE NORMAN [35.20, -97.42]</b>   |                    |                      |                        |  |
|   | 05/10/10 16:32 CST |                      | 0                      | Thunderstorm Wind (MG 56 kt)           |
|   | 05/10/10 16:32 CST |                      | 0                      | Source: Official NWS Observations      |
| A 56 knot wind gust was measured at the National Weather Center as the tornado moved south of the building.   |                    |                      |                        |  |
| <b>CLEVELAND COUNTY --- 2.8 SSE NORMAN [35.18, -97.43], 4.8 ENE LAKE THUNDERBIRD DAM [35.25, -97.14]</b>  |                    |                      |                        |  |
|   | 05/10/10 16:32 CST | 1                    | 0                      | Tornado (EF4, L: 17.00 mi , W: 880 yd) |
|   | 05/10/10 16:51 CST | 32                   | 0                      | Source: NWS Storm Survey               |

## Storm Data and Unusual Weather Phenomena - May 2010

| Location   | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details                  |
|--|--------------------|----------------------|------------------------|---|
| <p>This tornado is labeled #J1, and moved into Pottawatomie County near state highway 9. The tornado a few hundred yards east of the National Weather Center in Norman, Oklahoma. The damage intensity increased gradually along the path with significant damage beginning as the tornado approached Lake Thunderbird. This tornado crossed Lake Thunderbird, severely damaging two campgrounds and the marina where about 300 boats were docked. The most severe damage occurred from the Little Axe School to the Cleveland/Pottawatomie county line. Trees were stripped of some bark and branches. Large objects were thrown considerable distances, including some concrete pillars. The metal bleachers near the school were tossed or rolled several hundred yards. Some appliances were also lofted as a dryer was found about 50 feet up in a tree. Considerable structural damage also occurred, as some foundation homes were mostly destroyed. In addition to the damage, one person lost their life as a result of the tornado.</p>  |                    |                      |                        |   |
| Direct Fatalities: F27MH   |                    |                      |                        |   |
| <hr/>  |                    |                      |                        |   |
| <b>JEFFERSON COUNTY --- RYAN [34.02, -97.95]</b>   |                    |                      |                        |   |
|  | 05/10/10 16:32 CST |                      | 0                      | Hail (1.75 in)                          |
|  | 05/10/10 16:32 CST |                      | 0                      | Source: Public                          |
| <hr/>  |                    |                      |                        |   |
| <b>CLEVELAND COUNTY --- 3.5 S NORMAN [35.17, -97.45], 4.2 NNE NOBLE [35.19, -97.36]</b>  |                    |                      |                        |   |
|  | 05/10/10 16:34 CST |                      | 0                      | Tornado (EF1, L: 5.50 mi , W: 250 yd)   |
|  | 05/10/10 16:40 CST |                      | 0                      | Source: NWS Storm Survey                |
| <p>Tornado #J2. This anticyclonic tornado developed in the southern portion of Norman south of State Highway 9 near Chautauqua Avenue and to the southwest of tornado #J1. The tornado moved east-northeast causing roof, tree and fence damage to neighborhoods along Cedar Lane, especially after crossing U.S. Highway 77. The tornado continued to produce tree damage as it moved east and east-northeast. It crossed State Highway 9 to the east of SE 48th Avenue and moved into a neighborhood to the northwest of SE 60th Avenue and Highway 9 a few minutes after tornado #J1 had caused damage in this same neighborhood. The tornado dissipated near SE 60th Avenue.</p>   |                    |                      |                        |   |
| <hr/>  |                    |                      |                        |   |
| <b>OKLAHOMA COUNTY --- 5.3 ESE (TIK)TINKER AFB [35.38, -97.31], 1.4 SSE HARRAH [35.47, -97.16]</b>   |                    |                      |                        |   |
|  | 05/10/10 16:35 CST | 2                    | 0                      | Tornado (EF4, L: 11.00 mi , W: 2000 yd) |
|  | 05/10/10 16:51 CST | 29                   | 0                      | Source: NWS Storm Survey                |
| <p>This tornado is a continuation of the tornado that began in Cleveland County, labeled #I1. This long-tracked and devastating tornado developed west of I-35, northwest of Max Westheimer airport. Widespread tree, power line/pole damage was reported from near I-35 to the east side of Stanley Draper Lake. Several homes also sustained damage, mainly with mostly roofs receiving significant damage, and some siding was ripped off. Several fences were also knocked down as the tornado moved northeast. From the east side of Lake Stanley Draper, near Hiwassee Road and SE 89th Street, to just south of Harrah, the damage path became more severe and focused. The tree damage became more severe, breaking at various heights of the tree or being uprooted. Walls of homes collapsed, and debris from the homes scattered in all directions. Several 2x4's punctured roofs and ceilings over numerous structures. A few mobile homes in this area were also completely destroyed. Where the tornado crossed I-40, a gas station and drive-in restaurant sustained up to EF3 damage. The most severe damage, one of the two EF4 tornadoes of the day, occurred in the Deerfield West Subdivision. A well-built residence here was completely destroyed, with most exterior and interior walls collapsing. The tornado finally lifted 2 miles south of Harrah. In addition to the incredible damage, two people lost their lives as a result of the tornado.</p> |                    |                      |                        |   |
| Direct Fatalities: M41OU, F65OU  |                    |                      |                        |   |
| <hr/>  |                    |                      |                        |   |
| <b>MCCLAIN COUNTY --- 6.3 ESE PAYNE [34.88, -97.42], 2.3 W WAYNE [34.92, -97.36]</b>   |                    |                      |                        |   |
|  | 05/10/10 16:36 CST |                      | 0                      | Tornado (EF1, L: 4.60 mi , W: 880 yd)   |
|  | 05/10/10 16:43 CST |                      | 0                      | Source: NWS Storm Survey                |
| <p>The anticyclonic tornado occurred over southern McClain county. The most significant damage occurred at the Mid America Technology Center. Some AC units were blown off of the roof and some of the doors were blown in. This tornado is labeled #G2. Monetary damages were estimated.</p>  |                    |                      |                        |   |
| <hr/>  |                    |                      |                        |   |
| <b>MCCLAIN COUNTY --- 5.6 ESE PAYNE [34.89, -97.43], 5.9 WSW WAYNE [34.90, -97.42]</b>   |                    |                      |                        |   |
|  | 05/10/10 16:37 CST |                      | 0                      | Tornado (EF0, L: 0.80 mi , W: 150 yd)   |
|  | 05/10/10 16:38 CST |                      | 0                      | Source: NWS Storm Survey                |
| <p>This brief tornado produced minor damage to a shed. This tornado is labeled #G3. Monetary damages were estimated.</p>   |                    |                      |                        |   |
| <hr/>  |                    |                      |                        |   |
| <b>CLEVELAND COUNTY --- 3.7 ENE SLAUGHTERVILLE [35.12, -97.27], 4.8 ENE LAKE THUNDERBIRD DAM [35.25, -97.14]</b>   |                    |                      |                        |   |
|  | 05/10/10 16:39 CST |                      | 0                      | Tornado (EF2, L: 12.00 mi , W: 440 yd)  |
|  | 05/10/10 16:50 CST | 3                    | 0                      | Source: NWS Storm Survey                |
| <p>Cleveland County portion of tornado #J3. The tornado developed west of SE 120th Avenue between Maguire Road and Cemetary Road. The tornado moved through a mobile home park northeast of SE 120th Avenue and Maguire Road causing significant damage to a number of the mobile homes and injuring 2 people. The tornado continue to cause tree damage as it moved northeast, then heavily damaged the Country Boy IGA grocery store and service station on State Highway 9 to the east of Lake Thunderbird. The tornado began to move east-northeast and moved into Pottawatomie County along State Highway 9 about one minute before tornado #J1 also crossed into Pottawatomie County at about the same location.</p>   |                    |                      |                        |   |

## Storm Data and Unusual Weather Phenomena - May 2010

| Location   | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details                  |
|--|--------------------|----------------------|------------------------|---|
| <b>JEFFERSON COUNTY --- 9.0 WSW CORNISH [34.11, -97.75], 7.5 WSW CORNISH [34.12, -97.72]</b>   |                    |                      |                        |   |
|  | 05/10/10 16:44 CST |                      | 0                      | Tornado (EF0, L: 1.50 mi , W: 30 yd)    |
|  | 05/10/10 16:46 CST |                      | 0                      | Source: Emergency Manager               |
| Tornado #E1. A tornado was observed moving through pastureland to the west-southwest of Cornish. No damage was reported.   |                    |                      |                        |   |
| <b>POTTAWATOMIE COUNTY --- 4.8 SW DALE [35.34, -97.11], 3.5 ESE DALE [35.37, -97.00]</b>   |                    |                      |                        |   |
|  | 05/10/10 16:48 CST |                      | 0                      | Tornado (EF3, L: 6.50 mi , W: 880 yd)   |
|  | 05/10/10 17:02 CST | 3                    | 0                      | Source: NWS Storm Survey                |
| This tornado is labeled #L1. The tornado developed near the junction of Walker and Ingram Roads, causing major damage to home and damaging several trees. The tornado crossed to the east side of the lake, downing high tension power lines and another residence. The tornado grew to its widest near Highway 102. Another home, a mobile home, and barn were severely damaged just east of the highway. Metal poles that were embedded in concrete at the barn were ripped out of the ground with the concrete still attached. A 80,000 pound box car was rolled about 300 yards. A few trees that were damaged were debarked. The tornado lifted south of Interstate 40.   |                    |                      |                        |   |
| <b>POTTAWATOMIE COUNTY --- 1.5 WSW PINK [35.25, -97.14], 3.9 E PINK [35.27, -97.05]</b>  |                    |                      |                        |   |
|  | 05/10/10 16:50 CST |                      | 0                      | Tornado (EF1, L: 5.35 mi , W: 300 yd)   |
|  | 05/10/10 16:59 CST |                      | 0                      | Source: NWS Storm Survey                |
| Pottawatomie County portion of Tornado #J3. The tornado moved into Pottawatomie County from Cleveland County and was generally about one mile northeast of tornado #J1 in Pottawatomie County. This tornado continued north of State Highway 9 causing tree and roof damage on the west side of State Highway 102 before dissipating.  |                    |                      |                        |   |
| <b>STEPHENS COUNTY --- 2.6 E LOCO [34.32, -97.64], 4.6 E LOCO [34.34, -97.60]</b>  |                    |                      |                        |   |
|  | 05/10/10 16:50 CST |                      | 0                      | Tornado (EF0, L: 2.00 mi , W: 50 yd)    |
|  | 05/10/10 16:54 CST |                      | 0                      | Source: Trained Spotter                 |
| Tornado #D2. A tornado was observed and photographed by storm spotters to the east of Loco which damaged a barn and a few trees. The path of the tornado is estimated.   |                    |                      |                        |   |
| <b>POTTAWATOMIE COUNTY --- 1.5 WSW PINK [35.25, -97.14], 4.0 E PINK [35.26, -97.05]</b>  |                    |                      |                        |   |
|  | 05/10/10 16:51 CST |                      | 0                      | Tornado (EF1, L: 5.25 mi , W: 400 yd)   |
|  | 05/10/10 16:59 CST |                      | 0                      | Source: NWS Storm Survey                |
| Pottawatomie County portion of tornado #J1. This tornado crossed into Pottawatomie County from Cleveland County near State Highway 9. The tornado crossed the path of tornado #J3 and remained south of State Highway 9 in Pottawatomie County, causing tree damage along State Highway 102 before dissipating.  |                    |                      |                        |   |
| <b>POTTAWATOMIE COUNTY --- 2.7 WSW TECUMSEH [35.25, -96.98], 1.6 NE EARLSBORO [35.28, -96.78]</b>  |                    |                      |                        |   |
|  | 05/10/10 16:56 CST |                      | 0                      | Tornado (EF3, L: 12.00 mi , W: 1760 yd) |
|  | 05/10/10 17:11 CST | 2                    | 0                      | Source: NWS Storm Survey                |
| This tornado lasted for at least 30 miles and continued into Seminole and Okfuskee counties, with significant damage along almost its entire path. At times, the tornado damage path widened up to a mile. The most significant damage was located north and northeast of Earlsboro near the Pottawatomie/Seminole county border. Here a two story home was destroyed except for a few interior walls. A pick-up truck was also lofted approximately a quarter of a mile, and a semi-trailer was lofted or rolled approximately 200 yards. Farther east along its path, seven high tension towers were downed. Significant tree damage was reported along the entire track of the tornado, some of them debarked and stripped off all their branches. This tornado is labeled #J4. |                    |                      |                        |   |
| This tornado moved into Seminole County.   |                    |                      |                        |   |
| <b>JEFFERSON COUNTY --- 5.3 WSW GRADY [33.98, -97.75]</b>  |                    |                      |                        |   |
|  | 05/10/10 17:00 CST |                      | 0                      | Hail (2.00 in)                          |
|  | 05/10/10 17:00 CST |                      | 0                      | Source: Public                          |
| <b>CARTER COUNTY --- 3.7 SSW HEALDTON [34.18, -97.51], 2.0 N WILSON [34.19, -97.43]</b>  |                    |                      |                        |   |
|  | 05/10/10 17:04 CST |                      | 0                      | Tornado (EF2, L: 4.50 mi , W: 400 yd)   |
|  | 05/10/10 17:10 CST |                      | 0                      | Source: Emergency Manager               |
| Tornado #E2. Mobile homes were destroyed and seriously damaged and significant tree damage occurred as a tornado moved from 4 miles south-southwest of Healdton to 2 miles north-northwest of Wilson.  |                    |                      |                        |   |



## Storm Data and Unusual Weather Phenomena - May 2010

| Location   | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details                  |
|--|--------------------|-------------------|---------------------|---|
| <b>SEMINOLE COUNTY --- 6.6 NW SEMINOLE [35.28, -96.78], 0.5 ENE CROMWELL [35.34, -96.44]</b>   |                    |                   |                     |   |
|  | 05/10/10 17:11 CST |                   | 0                   | Tornado (EF3, L: 20.00 mi , W: 2200 yd) |
|  | 05/10/10 17:35 CST | 26                | 0                   | Source: NWS Storm Survey                |
| <p>This tornado continued from Pottawatomie county, moved through Seminole county and continued into Okfuskee County just east of Cromwell. This tornado lasted at least 30 miles, with significant damage along its entire path. At times, the tornado damage path widened up to a mile. The most significant damage was located north and northeast of Earlsboro near the Pottawatomie/Seminole county border. Here a two story home was destroyed except for a few interior walls. A pick-up truck was also lofted approximately a quarter of a mile, and a semi-trailer was lofted or rolled approximately 200 yards. Farther east along its path, seven high tension towers were downed. Several hangers were destroyed at the Seminole Municipal Airport north of Seminole, and one small aircraft was flipped onto one of the destroyed hangers. Two mobile homes were destroyed near the airport and one resident suffered a broken arm. Significant tree damage was reported along the entire track of the tornado, some of them debarked and stripped off all their branches. See the documentation by the NWS Tulsa office for information of this tornado in Okfuskee County. This tornado is labeled #J4.</p> |                    |                   |                     |   |
| <b>CARTER COUNTY --- 8.3 S DICKSON [34.07, -96.99]</b>   |                    |                   |                     |   |
|  | 05/10/10 17:20 CST |                   | 0                   | Hail (1.75 in)                          |
|  | 05/10/10 17:20 CST |                   | 0                   | Source: Public                          |
| <b>CARTER COUNTY --- 5.6 NW LONE GROVE [34.24, -97.32], 6.4 WSW SPRINGER [34.28, -97.25]</b>   |                    |                   |                     |   |
|  | 05/10/10 17:22 CST |                   | 0                   | Tornado (EF3, L: 4.90 mi , W: 400 yd)   |
|  | 05/10/10 17:34 CST |                   | 0                   | Source: NWS Storm Survey                |
| <p>At least 4 mobile homes and 1 foundation home were destroyed by a large tornado. Other homes and outbuildings sustained minor to moderate damage. Widespread tree and power line damage was also noted along its track, and some high tension lines were downed. This tornado is labeled #E3. Monetary damages were estimated.</p>  |                    |                   |                     |   |
| <b>CARTER COUNTY --- 3.2 E LONE GROVE [34.19, -97.20], 3.7 ENE LONE GROVE [34.19, -97.20]</b>  |                    |                   |                     |   |
|  | 05/10/10 17:25 CST |                   | 0                   | Tornado (EF0, L: 0.50 mi , W: 30 yd)    |
|  | 05/10/10 17:26 CST |                   | 0                   | Source: Public                          |
| <p>Tornado #E4. A tornado was observed and videotaped just outside the Ardmore city limits. The time and location of this tornado were estimated.</p>  |                    |                   |                     |   |
| <b>CLEVELAND COUNTY --- 2.0 SE NORMAN [35.20, -97.42]</b>  |                    |                   |                     |   |
|  | 05/10/10 17:25 CST |                   | 0                   | Hail (1.00 in)                          |
|  | 05/10/10 17:25 CST |                   | 0                   | Source: NWS Employee                    |
| <p>The hail was reported at the National Weather Center.</p>   |                    |                   |                     |   |
| <b>LOVE COUNTY --- 10.0 NW MARIETTA [34.04, -97.24]</b>  |                    |                   |                     |   |
|  | 05/10/10 17:30 CST |                   | 0                   | Hail (4.25 in)                          |
|  | 05/10/10 17:30 CST |                   | 0                   | Source: Emergency Manager               |
| <b>MURRAY COUNTY --- 5.0 SE DAVIS [34.45, -97.06]</b>  |                    |                   |                     |   |
|  | 05/10/10 17:30 CST |                   | 0                   | Hail (1.00 in)                          |
|  | 05/10/10 17:30 CST |                   | 0                   | Source: Public                          |
| <p>The report was relayed by the NWS Amarillo.</p>   |                    |                   |                     |   |
| <b>LOVE COUNTY --- 2.8 NNW LAKE MURRAY DAM [34.07, -97.07]</b>   |                    |                   |                     |   |
|  | 05/10/10 17:40 CST |                   | 0                   | Hail (1.00 in)                          |
|  | 05/10/10 17:50 CST |                   | 0                   | Source: Public                          |
| <p>The hail was reported at the Lake Murry Marina.</p>   |                    |                   |                     |   |
| <b>LINCOLN COUNTY --- MEEKER [35.50, -96.89]</b>   |                    |                   |                     |   |
|  | 05/10/10 17:50 CST |                   | 0                   | Hail (1.00 in)                          |
|  | 05/10/10 17:50 CST |                   | 0                   | Source: Emergency Manager               |
| <b>CLEVELAND COUNTY --- 7.2 E LEXINGTON [35.02, -97.21], 9.2 E LEXINGTON [35.02, -97.18]</b>   |                    |                   |                     |   |
|  | 05/10/10 17:52 CST |                   | 0                   | Tornado (EF0, L: 2.00 mi , W: 80 yd)    |
|  | 05/10/10 17:54 CST |                   | 0                   | Source: NWS Storm Survey                |

## Storm Data and Unusual Weather Phenomena - May 2010

| Location  | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details                |
|---|--------------------|----------------------|------------------------|---------------------------------------|
| Tornado #M1. This tornado moved east in eastern Cleveland County just north of State Highway 39 damaging trees. No structural damage was reported.  |                    |                      |                        |                                       |
| <b>LOVE COUNTY --- 4.9 ENE MARIETTA [33.96, -97.04], 6.6 SSE LAKE MURRAY DAM [33.95, -97.00]</b>  |                    |                      |                        |                                       |
|   | 05/10/10 17:54 CST |                      | 0                      | Tornado (EF1, L: 2.00 mi , W: 200 yd) |
|   | 05/10/10 17:56 CST |                      | 0                      | Source: NWS Storm Survey              |
| Lots of trees were damaged along the tornadoes path. At beginning of the path, a local store sustained EF1 damage. Other minor damage to structures was reported along its track. This tornado is labeled #K1. Monetary damages were estimated. |                    |                      |                        |                                       |
| <b>POTTAWATOMIE COUNTY --- 1.7 N WANETTE [34.98, -97.03]</b>  |                    |                      |                        |                                       |
|   | 05/10/10 18:01 CST |                      | 0                      | Thunderstorm Wind (EG 60 kt)          |
|   | 05/10/10 18:01 CST |                      | 0                      | Source: Emergency Manager             |
| Roof damage was reported to a business just north of Wanette near the intersection of State Highway 39 and State Highway 102.   |                    |                      |                        |                                       |
| <b>MARSHALL COUNTY --- 2.4 SSE LEBANON [33.95, -96.89], 2.9 SE LEBANON [33.95, -96.88]</b>  |                    |                      |                        |                                       |
|   | 05/10/10 18:08 CST |                      | 0                      | Tornado (EF0, L: 0.70 mi , W: 40 yd)  |
|   | 05/10/10 18:09 CST |                      | 0                      | Source: Trained Spotter               |
| Tornado #K2. This tornado was observed by spotters near Lebanon. No damage was reported and the location is estimated.  |                    |                      |                        |                                       |
| <b>MARSHALL COUNTY --- 3.1 NW WILLIS [33.92, -96.87], 2.7 NW WILLIS [33.92, -96.86]</b>   |                    |                      |                        |                                       |
|   | 05/10/10 18:15 CST |                      | 0                      | Tornado (EF0, L: 0.63 mi , W: 40 yd)  |
|   | 05/10/10 18:16 CST |                      | 0                      | Source: Trained Spotter               |
| Tornado #K3. A second tornado was observed by spotters near Lebanon. No damage was reported and the location is estimated.  |                    |                      |                        |                                       |
| <b>POTTAWATOMIE COUNTY --- MAUD [35.13, -96.78]</b>   |                    |                      |                        |                                       |
|   | 05/10/10 18:20 CST |                      | 0                      | Hail (1.00 in)                        |
|   | 05/10/10 18:20 CST |                      | 0                      | Source: Public                        |
| Minor roof damage and downed tree limbs were also reported at this location.  |                    |                      |                        |                                       |
| <b>PONTOTOC COUNTY --- 4.0 N ADA [34.83, -96.68]</b>  |                    |                      |                        |                                       |
|   | 05/10/10 18:25 CST |                      | 0                      | Thunderstorm Wind (MG 65 kt)          |
|   | 05/10/10 18:25 CST |                      | 0                      | Source: Emergency Manager             |
| <b>PONTOTOC COUNTY --- 12.0 SW ADA [34.65, -96.83]</b>  |                    |                      |                        |                                       |
|   | 05/10/10 18:32 CST |                      | 0                      | Hail (1.00 in)                        |
|   | 05/10/10 18:32 CST |                      | 0                      | Source: Emergency Manager             |
| <b>MURRAY COUNTY --- 0.4 E TURNER FALLS [34.43, -97.14]</b>   |                    |                      |                        |                                       |
|   | 05/10/10 18:50 CST |                      | 0                      | Hail (1.00 in)                        |
|   | 05/10/10 18:50 CST |                      | 0                      | Source: Public                        |
| The hail was reported along Highway 77.   |                    |                      |                        |                                       |
| <b>JOHNSTON COUNTY --- 4.3 SW MILL CREEK [34.36, -96.88], 2.8 NW TROY [34.36, -96.82]</b>   |                    |                      |                        |                                       |
|   | 05/10/10 19:05 CST |                      | 0                      | Tornado (EF0, L: 3.50 mi , W: 80 yd)  |
|   | 05/10/10 19:09 CST |                      | 0                      | Source: Emergency Manager             |
| Tornado #N1. Johnston County Emergency Management reported a tornado southwest and south of Mill Creek. No damage was reported and the location is estimated.   |                    |                      |                        |                                       |
| <b>PONTOTOC COUNTY --- 5.0 S FITTSTOWN [34.54, -96.63]</b>  |                    |                      |                        |                                       |
|   | 05/10/10 19:15 CST |                      | 0                      | Hail (1.00 in)                        |
|   | 05/10/10 19:15 CST |                      | 0                      | Source: Emergency Manager             |
| <b>JOHNSTON COUNTY --- 1.3 SSW COLEMAN [34.25, -96.43], 2.1 SSE COLEMAN [34.24, -96.41]</b>   |                    |                      |                        |                                       |
|   | 05/10/10 19:42 CST |                      | 2.63M                  | Tornado (EF2, L: 1.65 mi , W: 400 yd) |
|   | 05/10/10 19:45 CST |                      | 0                      | Source: Emergency Manager             |

## Storm Data and Unusual Weather Phenomena - May 2010

| Location   | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details                |
|--|--------------------|----------------------|------------------------|---------------------------------------|
| <p>This tornado is labeled #N2. The tornado developed about a mile south-southeast of Coleman and moved southeast another mile, eventually traveling just into Atoka county. Several buildings, including a home, sustained major damage. Four other homes sustained at least partial damage. The U Cross Arena and Pavilion was heavily damaged, with part of the roof moved removed, steel beams on the outside of the building knocked down, and a section of the building completely destroyed. The tornado continued across the Atoka county border.</p> <p>This tornado moved into Atoka County.</p> |                    |                      |                        |                                       |
| <hr/>  |                    |                      |                        |                                       |
| <b>ATOKA COUNTY --- 7.7 SW BOGGY DEPOT STATE PARK [34.24, -96.40]</b>  | 05/10/10 19:45 CST | 0                    |                        | Tornado (EF1, L: 0.20 mi , W: 300 yd) |
|  | 05/10/10 19:45 CST | 0                    |                        | Source: Emergency Manager             |

Atoka County portion of tornado #N2. The tornado that created damage near Coleman in Johnson County moved into Atoka County producing light damage.

|  |                    |   |  |                              |
|--|--------------------|---|--|------------------------------|
| <hr/>  |                    |   |  |                              |
| <b>LOVE COUNTY --- 4.0 SW MARIETTA [33.90, -97.17]</b> | 05/10/10 19:57 CST | 0 |  | Hail (1.00 in)               |
|  | 05/10/10 19:57 CST | 0 |  | Source: COOP Observer        |
| <hr/>  |                    |   |  |                              |
| <b>BRYAN COUNTY --- 2.0 SW COLBERT [33.84, -96.52]</b> | 05/10/10 20:11 CST | 0 |  | Thunderstorm Wind (EG 52 kt) |
|  | 05/10/10 20:11 CST | 0 |  | Source: Emergency Manager    |

No damage was reported with the wind gust.

**A significant outbreak of severe thunderstorms and tornadoes affected a large part of northern, central, and southern Oklahoma. Tornadoes were most numerous across central and southern Oklahoma, with significant damage occurring over many areas. Severe thunderstorms erupted by mid afternoon across northern and western Oklahoma. Given the potent combination of ingredients in place, storms began to produce tornadoes quickly after initiation. Storm motions of 50 to 60 mph were common.**

During the mid afternoon hours, severe weather was confined to northern Oklahoma. It was there a long track supercell storm produced tornadoes near the Kansas border - including one rated EF3 - from near Wakita to north of Braman.

The capping inversion that had delayed thunderstorm development into central Oklahoma weakened, allowing for explosive supercell development along the dry line along and west of the Interstate 35 corridor. Rapid development and intensification was common with the late afternoon storms, with storms becoming tornadic within a very short time after initiation. This round of storms would directly impact a large part of the Oklahoma City metro area at rush hour, and posed a significant threat to the area. The first tornado in this area occurred in Canadian County.

During the next several hours, tornadoes were clustered around the metro area, and at times there were multiple significant damaging tornadoes occurring simultaneously. Several of the tornadoes had long tracks. Damage from the tornadoes was substantial, with numerous structures, vehicles, trees and power poles/lines significantly damaged or destroyed. One of the more intense tornadoes moved across Lake Thunderbird east of Norman destroying numerous boats.

More storms developed across southwest and south central Oklahoma, and also quickly became tornadic.

By 9 pm, 35 tornadoes had been reported. While the loss of three lives was tragic, the casualties could have been much higher given the storm's fast motions, their intensity, the time of day and the areas impacted.

While exact monetary damage figures were not available, it is estimated that losses were in excess of \$595 million. At least 450 sustained injuries, most of them minor. Unfortunately three people lost their lives.

**Note:** The large number of injuries and tornadoes made it difficult to associate injuries with specific tornadoes. Injury numbers were included when we had confidence in the numbers.

**Note:** The complex nature of storm evolutions and interactions made the job of classifying tornadoes difficult. This represents our best scientific assessment based on ground and aerial surveys, data from multiple radars, photographic and video evidence and anecdotal information.

## Storm Data and Unusual Weather Phenomena - May 2010

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|-----------|-------------------|---------------------|------------------------|
|----------|-----------|-------------------|---------------------|------------------------|



*Severe damage to a tri-level home northwest of Braman in Kay county. Photo courtesy of Doug Speheger (NWS Norman Damage Survey).*

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**ELLIS COUNTY --- 2.0 S HARMON [36.12, -99.56]**

|                    |   |  |                           |
|--------------------|---|--|---------------------------|
| 05/11/10 19:04 CST | 0 |  | Hail (2.50 in)            |
| 05/11/10 19:04 CST | 0 |  | Source: Emergency Manager |

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**ELLIS COUNTY --- 8.0 E ARNETT [36.14, -99.63]**

|                    |   |  |                         |
|--------------------|---|--|-------------------------|
| 05/11/10 19:06 CST | 0 |  | Hail (2.50 in)          |
| 05/11/10 19:06 CST | 0 |  | Source: Trained Spotter |

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**ELLIS COUNTY --- 6.0 W HARMON [36.15, -99.67]**

|                    |   |  |                |
|--------------------|---|--|----------------|
| 05/11/10 19:11 CST | 0 |  | Hail (1.75 in) |
| 05/11/10 19:11 CST | 0 |  | Source: Public |

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**WOODWARD COUNTY --- 13.9 WSW SHARON [36.19, -99.56]**

|                    |   |  |                                      |
|--------------------|---|--|--------------------------------------|
| 05/11/10 19:27 CST | 0 |  | Tornado (EF0, L: 0.10 mi , W: 10 yd) |
| 05/11/10 19:27 CST | 0 |  | Source: NWS Employee                 |

Brief tornado reported by off-duty Storm Prediction Center employees, estimated to be about 3 miles north of Harmon. No damage was reported with the tornado.

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**WOODWARD COUNTY --- 8.0 W SHARON [36.28, -99.48]**

|                    |   |  |                |
|--------------------|---|--|----------------|
| 05/11/10 19:48 CST | 0 |  | Hail (2.75 in) |
| 05/11/10 19:48 CST | 0 |  | Source: Public |

## Storm Data and Unusual Weather Phenomena - May 2010

| Location  | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details               |
|---|--------------------|----------------------|------------------------|--------------------------------------|
| <b>WOODWARD COUNTY --- 3.8 SSW WOODWARD [36.38, -99.42]</b>   |                    |                      |                        |                                      |
|   | 05/11/10 19:54 CST | 0                    |                        | Hail (1.00 in)                       |
|   | 05/11/10 19:54 CST | 0                    |                        | Source: Trained Spotter              |
| The hail was observed on County Road NS 201.  |                    |                      |                        |                                      |
| <b>WOODWARD COUNTY --- 4.0 SE WOODWARD [36.39, -99.34]</b>  |                    |                      |                        |                                      |
|   | 05/11/10 20:10 CST | 0                    |                        | Hail (2.00 in)                       |
|   | 05/11/10 20:10 CST | 0                    |                        | Source: Trained Spotter              |
| A cold front stalled from around I-44 during the late night/early morning hours of the 11th, but began to lift back toward the northwest as an upper trough moved toward the central/southern Plains. Rich gulf moisture overspread the area near and south of the warm front, and the atmosphere was very unstable. A strong cap was in place over the region, but a mid level disturbance moved over Oklahoma, weakening the cap and providing sufficient convergence along the retreating warm for Thunderstorms developed over western and northwest Oklahoma and quickly became severe producing large hail. Hail reached baseball-size in Woodward county. A brief tornado was reported north of Sharon. No damage was reported with the hail or tornado. |                    |                      |                        |                                      |
| <b>WOODWARD COUNTY --- 6.0 N MOORELAND [36.53, -99.21]</b>  |                    |                      |                        |                                      |
|   | 05/12/10 14:45 CST | 0                    |                        | Hail (1.00 in)                       |
|   | 05/12/10 14:50 CST | 0                    |                        | Source: Public                       |
| Most of the hail was smaller, but a few hail stones were 1.00 inch.   |                    |                      |                        |                                      |
| <b>JACKSON COUNTY --- ALTUS [34.64, -99.33]</b>   |                    |                      |                        |                                      |
|   | 05/12/10 15:33 CST | 0                    |                        | Hail (0.75 in)                       |
|   | 05/12/10 15:33 CST | 0                    |                        | Source: Amateur Radio                |
| <b>JACKSON COUNTY --- 5.0 E BLAIR [34.78, -99.24]</b>   |                    |                      |                        |                                      |
|   | 05/12/10 15:45 CST | 0                    |                        | Hail (1.25 in)                       |
|   | 05/12/10 15:45 CST | 0                    |                        | Source: Amateur Radio                |
| <b>ELLIS COUNTY --- 9.0 S FARGO [36.24, -99.62]</b>   |                    |                      |                        |                                      |
|   | 05/12/10 16:08 CST | 0                    |                        | Hail (2.50 in)                       |
|   | 05/12/10 16:08 CST | 0                    |                        | Source: Emergency Manager            |
| <b>WOODWARD COUNTY --- 2.3 WSW TANGIER [36.41, -99.57]</b>  |                    |                      |                        |                                      |
|   | 05/12/10 16:20 CST | 0                    |                        | Hail (1.00 in)                       |
|   | 05/12/10 16:20 CST | 0                    |                        | Source: Emergency Manager            |
| <b>BECKHAM COUNTY --- 6.6 SSW SWEETWATER [35.33, -99.95]</b>  |                    |                      |                        |                                      |
|   | 05/12/10 17:00 CST | 0.20K                |                        | Hail (1.75 in)                       |
|   | 05/12/10 17:00 CST | 0                    |                        | Source: Emergency Manager            |
| The hail was reported between Mayfield and Sweetwater. Tree limbs were also downed at this location. Monetary damages were estimated.   |                    |                      |                        |                                      |
| <b>ELLIS COUNTY --- GAGE [36.32, -99.76]</b>  |                    |                      |                        |                                      |
|   | 05/12/10 17:08 CST | 0                    |                        | Hail (0.75 in)                       |
|   | 05/12/10 17:08 CST | 0                    |                        | Source: Trained Spotter              |
| <b>HARMON COUNTY --- 7.0 NW VINSON [34.97, -99.95], 7.0 NNW VINSON [34.99, -99.91]</b>  |                    |                      |                        |                                      |
|   | 05/12/10 17:20 CST | 0                    |                        | Tornado (EF0, L: 2.73 mi , W: 50 yd) |
|   | 05/12/10 17:25 CST | 0                    |                        | Source: NWS Employee                 |
| The tornado was reported by an off-duty NWS employee. No damage was reported with the tornado and the location is estimated.  |                    |                      |                        |                                      |
| <b>ROGER MILLS COUNTY --- 3.0 N DEMPSEY [35.55, -99.82]</b>   |                    |                      |                        |                                      |
|   | 05/12/10 17:20 CST | 0                    |                        | Hail (1.75 in)                       |
|   | 05/12/10 17:20 CST | 0                    |                        | Source: Public                       |

## Storm Data and Unusual Weather Phenomena - May 2010

| Location   | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details         |
|--|--------------------|----------------------|------------------------|--------------------------------|
| <b>HARMON COUNTY --- 5.0 NNE MADGE [34.97, -99.93]</b>   |                    |                      |                        |                                |
|  | 05/12/10 17:50 CST |                      | 0                      | Hail (1.75 in)                 |
|  | 05/12/10 17:50 CST |                      | 0                      | Source: Emergency Manager      |
| Hail at least golf ball-size was found along Highway 30 in northern Harmon county. The hail could have been larger than golf ball-size because the hail had been on the ground approximately 40 minutes. |                    |                      |                        |                                |
| <b>BECKHAM COUNTY --- 11.4 SSW ERICK [35.05, -99.92]</b>   |                    |                      |                        |                                |
|  | 05/12/10 17:51 CST |                      | 0                      | Hail (1.75 in)                 |
|  | 05/12/10 17:51 CST |                      | 0                      | Source: Public                 |
| <b>BECKHAM COUNTY --- 5.0 SW SAYRE [35.25, -99.70]</b>   |                    |                      |                        |                                |
|  | 05/12/10 18:08 CST |                      | 0                      | Hail (1.00 in)                 |
|  | 05/12/10 18:08 CST |                      | 0                      | Source: Emergency Manager      |
| <b>BECKHAM COUNTY --- 2.0 S CARTER [35.19, -99.50]</b>   |                    |                      |                        |                                |
|  | 05/12/10 18:25 CST |                      | 0                      | Hail (1.00 in)                 |
|  | 05/12/10 18:25 CST |                      | 0                      | Source: Fire Department/Rescue |
| <b>BECKHAM COUNTY --- 3.0 W CARTER [35.22, -99.55]</b>   |                    |                      |                        |                                |
|  | 05/12/10 18:25 CST |                      | 0                      | Hail (1.75 in)                 |
|  | 05/12/10 18:25 CST |                      | 0                      | Source: Public                 |
| <b>BECKHAM COUNTY --- 5.0 SSW ELK CITY [35.34, -99.45]</b>   |                    |                      |                        |                                |
|  | 05/12/10 18:30 CST |                      | 0                      | Hail (1.50 in)                 |
|  | 05/12/10 18:30 CST |                      | 0                      | Source: NWS Employee           |
| <b>BECKHAM COUNTY --- 9.0 S ELK CITY [35.28, -99.42]</b>   |                    |                      |                        |                                |
|  | 05/12/10 18:35 CST |                      | 0                      | Hail (2.75 in)                 |
|  | 05/12/10 18:35 CST |                      | 0                      | Source: Broadcast Media        |
| <b>BECKHAM COUNTY --- 4.0 S ELK CITY [35.35, -99.42]</b>   |                    |                      |                        |                                |
|  | 05/12/10 18:40 CST |                      | 0                      | Hail (1.00 in)                 |
|  | 05/12/10 18:49 CST |                      | 0                      | Source: Public                 |
| <b>WASHITA COUNTY --- 4.0 SW CANUTE [35.38, -99.33]</b>  |                    |                      |                        |                                |
|  | 05/12/10 18:45 CST |                      | 0                      | Hail (2.50 in)                 |
|  | 05/12/10 18:55 CST |                      | 0                      | Source: Public                 |
| Hail up to tennis ball size fell for 10 minutes. Wind gusts to 50 mph were also reported at this location.   |                    |                      |                        |                                |
| <b>WASHITA COUNTY --- 4.0 S CANUTE [35.36, -99.28]</b>   |                    |                      |                        |                                |
|  | 05/12/10 18:52 CST |                      | 0                      | Hail (1.75 in)                 |
|  | 05/12/10 18:52 CST |                      | 0                      | Source: Fire Department/Rescue |
| <b>WASHITA COUNTY --- FOSS [35.46, -99.17]</b>   |                    |                      |                        |                                |
|  | 05/12/10 18:55 CST |                      | 0                      | Hail (0.88 in)                 |
|  | 05/12/10 19:05 CST |                      | 0                      | Source: Emergency Manager      |
| <b>WASHITA COUNTY --- 1.0 WNW BURNS FLAT [35.37, -99.20]</b>   |                    |                      |                        |                                |
|  | 05/12/10 18:59 CST |                      | 0                      | Thunderstorm Wind (MG 52 kt)   |
|  | 05/12/10 18:59 CST |                      | 0                      | Source: ASOS                   |
| The winds were sustained at 41 kts with gusts to 52 kts. Based on radar the winds were likely associated with the rear flank downdraft.  |                    |                      |                        |                                |
| <b>WASHITA COUNTY --- 3.0 N BURNS FLAT [35.40, -99.18]</b>   |                    |                      |                        |                                |
|  | 05/12/10 19:01 CST |                      | 0                      | Hail (1.75 in)                 |
|  | 05/12/10 19:01 CST |                      | 0                      | Source: Amateur Radio          |

## Storm Data and Unusual Weather Phenomena - May 2010

| Location  | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details               |
|---|--------------------|-------------------|---------------------|--------------------------------------|
| <b>WASHITA COUNTY --- 2.8 NE BESSIE [35.41, -98.96], 3.8 SE CLINTON [35.47, -98.93]</b>   |                    |                   |                     |                                      |
|   | 05/12/10 19:21 CST |                   | 0                   | Tornado (EF0, L: 4.00 mi , W: 50 yd) |
|   | 05/12/10 19:26 CST |                   | 0                   | Source: Emergency Manager            |
| Spotters and emergency management personnel observed a tornado that developed over north-central Washita county and moved northeast into Custer county. No damage was reported in Washita county.   |                    |                   |                     |                                      |
| <b>CUSTER COUNTY --- 3.8 SE CLINTON [35.47, -98.93], 6.3 ESE ARAPAHO [35.54, -98.86]</b>  |                    |                   |                     |                                      |
|   | 05/12/10 19:26 CST |                   | 0                   | Tornado (EF1, L: 6.40 mi , W: 50 yd) |
|   | 05/12/10 19:35 CST |                   | 0                   | Source: Emergency Manager            |
| Storm spotters observed a tornado that moved from Washita county into Custer county. The tornado damaged a barn and a residence, and downed a few power lines as it moved northeast across Interstate 40 east of Clinton. The tornado lifted north of Interstate 40 near Custer City Road. Monetary damages were not available. |                    |                   |                     |                                      |
| <b>CUSTER COUNTY --- ARAPAHO [35.58, -98.96]</b>  |                    |                   |                     |                                      |
|   | 05/12/10 19:26 CST |                   | 0                   | Hail (1.75 in)                       |
|   | 05/12/10 19:26 CST |                   | 0                   | Source: Amateur Radio                |
| <b>ROGER MILLS COUNTY --- 3.0 NE CRAWFORD [35.86, -99.76]</b>   |                    |                   |                     |                                      |
|   | 05/12/10 20:30 CST |                   | 0                   | Hail (1.00 in)                       |
|   | 05/12/10 20:30 CST |                   | 0                   | Source: Trained Spotter              |
| The hail was reported on the county line between Ellis and Roger Mills counties.  |                    |                   |                     |                                      |
| <b>GARFIELD COUNTY --- 2.0 SW ENID [36.38, -97.91]</b>  |                    |                   |                     |                                      |
|   | 05/12/10 22:45 CST |                   | 5K                  | Thunderstorm Wind (EG 61 kt)         |
|   | 05/12/10 22:45 CST |                   | 0                   | Source: Storm Chaser                 |
| Several large tree limbs were downed, and a roof sustained minor roof damage. Monetary damages were estimated.  |                    |                   |                     |                                      |
| <b>GARFIELD COUNTY --- HILLSDALE [36.56, -97.99]</b>  |                    |                   |                     |                                      |
|   | 05/12/10 22:50 CST |                   | 0                   | Hail (1.75 in)                       |
|   | 05/12/10 22:50 CST |                   | 0                   | Source: Emergency Manager            |
| Strong winds were also reported with hail, puncturing holes in the siding of a building. Damage to the area wheat crop was also reported. Monetary damage estimates were not available.   |                    |                   |                     |                                      |
| <b>GARFIELD COUNTY --- HUNTER [36.56, -97.66]</b>   |                    |                   |                     |                                      |
|   | 05/12/10 23:12 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt)         |
|   | 05/12/10 23:12 CST |                   | 0                   | Source: Emergency Manager            |
| No damage was reported with the wind gust.  |                    |                   |                     |                                      |
| <b>KAY COUNTY --- 1.0 N BLACKWELL [36.81, -97.28]</b>   |                    |                   |                     |                                      |
|   | 05/12/10 23:30 CST |                   | 5K                  | Hail (1.75 in)                       |
|   | 05/12/10 23:30 CST |                   | 0                   | Source: Emergency Manager            |
| A car sustained several dents and the windshield was cracked by the hail. Monetary damages were estimated.  |                    |                   |                     |                                      |
| <b>KAY COUNTY --- 4.0 W BLACKWELL [36.80, -97.35]</b>   |                    |                   |                     |                                      |
|   | 05/12/10 23:30 CST |                   | 0                   | Hail (1.75 in)                       |
|   | 05/12/10 23:30 CST |                   | 0                   | Source: Emergency Manager            |
| <b>KAY COUNTY --- 3.0 S CHILOCCO [36.95, -97.07]</b>  |                    |                   |                     |                                      |
|   | 05/12/10 23:52 CST |                   | 0                   | Hail (2.00 in)                       |
|   | 05/12/10 23:52 CST |                   | 0                   | Source: Emergency Manager            |
| <b>JACKSON COUNTY --- (LTS)ALTUS AFB [34.66, -99.29]</b>  |                    |                   |                     |                                      |

## Storm Data and Unusual Weather Phenomena - May 2010

| Location   | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details         |
|--|--------------------|-------------------|---------------------|--------------------------------|
|  | 05/13/10 00:34 CST |                   | 0                   | Thunderstorm Wind (MG 61 kt)   |
|  | 05/13/10 00:34 CST |                   | 0                   | Source: ASOS                   |
| <hr/>  |                    |                   |                     |                                |
| <b>JACKSON COUNTY --- ALTUS [34.64, -99.33]</b>  |                    |                   |                     |                                |
|  | 05/13/10 00:35 CST |                   | 0                   | Thunderstorm Wind (EG 61 kt)   |
|  | 05/13/10 00:35 CST |                   | 0                   | Source: Emergency Manager      |
| <p>Minor roof damage was reported was reported to homes. Numerous tree limbs up to 8-inches in diameter were also downed by the strong winds. Monetary damage estimates were not available.</p>  |                    |                   |                     |                                |
| <hr/>  |                    |                   |                     |                                |
| <b>JACKSON COUNTY --- 9.0 S ALTUS [34.51, -99.33]</b>  |                    |                   |                     |                                |
|  | 05/13/10 01:04 CST |                   | 0                   | Hail (0.88 in)                 |
|  | 05/13/10 01:04 CST |                   | 0                   | Source: Emergency Manager      |
| <hr/>  |                    |                   |                     |                                |
| <b>STEPHENS COUNTY --- EMPIRE CITY [34.42, -98.04]</b>   |                    |                   |                     |                                |
|  | 05/13/10 01:50 CST |                   | 0                   | Thunderstorm Wind (EG 61 kt)   |
|  | 05/13/10 01:50 CST |                   | 0                   | Source: Broadcast Media        |
| <p>A metal barn was blown down. Numerous tree limbs were also downed. The report was relayed by KWTW-9 TV. Monetary damage estimates were not available.</p>   |                    |                   |                     |                                |
| <hr/>  |                    |                   |                     |                                |
| <b>COMANCHE COUNTY --- LAWTON [34.61, -98.39]</b>  |                    |                   |                     |                                |
|  | 05/13/10 01:53 CST |                   | 2K                  | Thunderstorm Wind (EG 52 kt)   |
|  | 05/13/10 01:53 CST |                   | 0                   | Source: Amateur Radio          |
| <p>Several tree limbs were downed on the west side of Lawton. Monetary damages were estimated.</p>   |                    |                   |                     |                                |
| <hr/>  |                    |                   |                     |                                |
| <b>COMANCHE COUNTY --- 2.0 N ELGIN [34.81, -98.29]</b>   |                    |                   |                     |                                |
|  | 05/13/10 02:03 CST |                   | 0                   | Hail (1.00 in)                 |
|  | 05/13/10 02:03 CST |                   | 0                   | Source: Fire Department/Rescue |
| <hr/>  |                    |                   |                     |                                |
| <b>GRADY COUNTY --- RUSH SPRINGS [34.78, -97.96]</b>   |                    |                   |                     |                                |
|  | 05/13/10 02:10 CST |                   | 0                   | Thunderstorm Wind (EG 65 kt)   |
|  | 05/13/10 02:10 CST |                   | 0                   | Source: Emergency Manager      |
| <p>A roof of an apartment complex sustained major damage. Other roof damage was reported to a couple of homes. Monetary damage estimates were not available.</p>   |                    |                   |                     |                                |
| <hr/>  |                    |                   |                     |                                |
| <b>GRADY COUNTY --- 2.0 NNW NINNEKAH [34.98, -97.93]</b>   |                    |                   |                     |                                |
|  | 05/13/10 02:15 CST |                   | 0                   | Thunderstorm Wind (MG 52 kt)   |
|  | 05/13/10 02:15 CST |                   | 0                   | Source: Mesonet                |
| <hr/>  |                    |                   |                     |                                |
| <b>GRADY COUNTY --- 3.7 ENE NORGE [35.01, -97.94]</b>  |                    |                   |                     |                                |
|  | 05/13/10 02:15 CST |                   | 0                   | Thunderstorm Wind (MG 50 kt)   |
|  | 05/13/10 02:15 CST |                   | 0                   | Source: Mesonet                |
| <hr/>  |                    |                   |                     |                                |
| <b>STEPHENS COUNTY --- 7.0 NW VELMA [34.53, -97.76]</b>  |                    |                   |                     |                                |
|  | 05/13/10 02:20 CST |                   | 0                   | Thunderstorm Wind (MG 50 kt)   |
|  | 05/13/10 02:20 CST |                   | 0                   | Source: Mesonet                |
| <hr/>  |                    |                   |                     |                                |
| <b>GARVIN COUNTY --- LINDSAY [34.84, -97.61]</b>   |                    |                   |                     |                                |
|  | 05/13/10 02:25 CST |                   | 0                   | Thunderstorm Wind (EG 75 kt)   |
|  | 05/13/10 02:25 CST |                   | 0                   | Source: Emergency Manager      |
| <p>A total of 39 businesses were damaged by the severe winds. One business was destroyed, and 10 sustained major damage. Nine mobile homes were also damaged. At the lumber yard, the roofs of two buildings were blown off. Several power lines, tree branches, and two restaurant signs were also downed. The report was relayed by KWTW-9 and local emergency management. Monetary damage estimates were not available.</p> |                    |                   |                     |                                |
| <hr/>  |                    |                   |                     |                                |
| <b>STEPHENS COUNTY --- VELMA [34.46, -97.67]</b>   |                    |                   |                     |                                |



## Storm Data and Unusual Weather Phenomena - May 2010

| Location  | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details       |
|---|--------------------|-------------------|---------------------|------------------------------|
|   | 05/13/10 02:25 CST |                   | 3K                  | Thunderstorm Wind (MG 54 kt) |
|   | 05/13/10 02:25 CST |                   | 0                   | Source: Emergency Manager    |
| A couple of power poles were blown down. Monetary damages were estimated.   |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>CLEVELAND COUNTY --- 1.6 WNW (OUN)NORMAN WESTHEIMER ARPT [35.26, -97.49]</b>   |                    |                   |                     |                              |
|   | 05/13/10 02:30 CST |                   | 0.50K               | Thunderstorm Wind (EG 56 kt) |
|   | 05/13/10 02:30 CST |                   | 0                   | Source: NWS Employee         |
| Several fence panels were downed, several of which were blown approximately 15 feet. Pea size hail also occurred at this location. Monetary damages were estimated.   |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>MCCLAIN COUNTY --- 5.0 SE BLANCHARD [35.09, -97.60]</b>  |                    |                   |                     |                              |
|   | 05/13/10 02:30 CST |                   | 0                   | Thunderstorm Wind (EG 56 kt) |
|   | 05/13/10 02:32 CST |                   | 0                   | Source: Public               |
| Several tree branches at least 6-inches in diameter, as well as numerous smaller branches, were blown down. Minor roof damage was also report to roof of a home, and a couple of windows were broken on a garage. Monetary damage estimates were not available.   |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>MCCLAIN COUNTY --- 4.0 WNW NEWCASTLE [35.27, -97.67]</b>   |                    |                   |                     |                              |
|   | 05/13/10 02:38 CST |                   | 0                   | Hail (0.75 in)               |
|   | 05/13/10 02:40 CST |                   | 0                   | Source: Trained Spotter      |
| <hr/>   |                    |                   |                     |                              |
| <b>POTTAWATOMIE COUNTY --- 5.6 S DALE [35.31, -97.04]</b>   |                    |                   |                     |                              |
|   | 05/13/10 03:00 CST |                   | 4K                  | Thunderstorm Wind (EG 56 kt) |
|   | 05/13/10 03:00 CST |                   | 0                   | Source: Broadcast Media      |
| Several power lines and a tree were downed by the strong winds. The report was relayed by KWTW-9. Monetary damages were estimated.  |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>LINCOLN COUNTY --- 4.0 N PRAGUE [35.55, -96.69]</b>  |                    |                   |                     |                              |
|   | 05/13/10 03:15 CST |                   | 0                   | Thunderstorm Wind (EG 56 kt) |
|   | 05/13/10 03:15 CST |                   | 0                   | Source: Public               |
| A large pole barn was demolished. Several trees were also uprooted. A portable basketball goal was moved approximately 500 feet. Monetary damage estimates were not available.  |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>LINCOLN COUNTY --- PRAGUE [35.49, -96.69]</b>  |                    |                   |                     |                              |
|   | 05/13/10 03:15 CST |                   | 0                   | Thunderstorm Wind (EG 61 kt) |
|   | 05/13/10 03:15 CST |                   | 0                   | Source: Emergency Manager    |
| Three homes had their roofs completely removed. Three well built barns were also completely destroyed. Monetary damage estimates were not available.  |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>SEMINOLE COUNTY --- LITTLE [35.35, -96.67]</b>   |                    |                   |                     |                              |
|   | 05/13/10 03:18 CST |                   | 0                   | Thunderstorm Wind (EG 56 kt) |
|   | 05/13/10 03:18 CST |                   | 0                   | Source: Emergency Manager    |
| A couple of highway signs were blown down. Several power poles were also broken. Monetary damage estimates were not available.  |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>PONTOTOC COUNTY --- VANOSS [34.76, -96.87]</b>   |                    |                   |                     |                              |
|   | 05/13/10 03:32 CST |                   | 0                   | Thunderstorm Wind (EG 61 kt) |
|   | 05/13/10 03:32 CST |                   | 0                   | Source: Emergency Manager    |
| A roof at a residence was partially removed. A 30 ft by 80 ft metal/wood barn was also destroyed. Monetary damages were estimated.  |                    |                   |                     |                              |
| Several supercell thunderstorms with large hail and tornadoes affected much of western Oklahoma during the late afternoon and early evening. The storms evolved into a squall line that brought numerous reports of severe weather, including particularly damaging winds and hail. A few locations that had received damage from the May 10 tornadoes saw additional damage. |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>MAJOR COUNTY --- 8.0 WSW FAIRVIEW [36.23, -98.61]</b>  |                    |                   |                     |                              |
|   | 05/16/10 12:22 CST |                   | 0                   | Hail (2.75 in)               |
|   | 05/16/10 12:22 CST |                   | 0                   | Source: Public               |

The hail report was relayed by KWTW-9.

## Storm Data and Unusual Weather Phenomena - May 2010

| Location  | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details         |
|---|--------------------|-------------------|---------------------|--------------------------------|
| <b>BLAINE COUNTY --- 2.0 WSW OKEENE [36.11, -98.35]</b>   |                    |                   |                     |                                |
|   | 05/16/10 12:58 CST |                   | 0                   | Hail (4.25 in)                 |
|   | 05/16/10 12:58 CST |                   | 0                   | Source: Law Enforcement        |
| The hail report was relayed by KWTW-9. Also, the area wheat crop sustained major damage, with some fields totally wiped out. Monetary damage estimates were not available.  |                    |                   |                     |                                |
| <b>BLAINE COUNTY --- OKEENE [36.12, -98.32]</b>   |                    |                   |                     |                                |
|   | 05/16/10 13:02 CST |                   | 0                   | Hail (2.75 in)                 |
|   | 05/16/10 13:02 CST |                   | 0                   | Source: Fire Department/Rescue |
| <b>BLAINE COUNTY --- 5.2 E SOUTHARD [36.06, -98.39]</b>   |                    |                   |                     |                                |
|   | 05/16/10 13:10 CST |                   | 0.40K               | Thunderstorm Wind (EG 56 kt)   |
|   | 05/16/10 13:10 CST |                   | 0                   | Source: Emergency Manager      |
| A couple of trees were uprooted as a result of the strong wind. Monetary damages were estimated.  |                    |                   |                     |                                |
| <b>KINGFISHER COUNTY --- 4.0 W LOYAL [35.98, -98.19], 1.8 NNW OKARCHE [35.75, -98.00]</b>   |                    |                   |                     |                                |
|   | 05/16/10 13:30 CST |                   | 0                   | Hail (1.75 in)                 |
|   | 05/16/10 14:05 CST |                   | 0                   | Source: Emergency Manager      |
| Hail up to golf ball size was reported to a large area. The emergency manager reported widespread damage to 20,000 acres of the wheat crop from north of Loyal to north of Okarche. Some canola fields were also damaged. Some farmers lost their entire wheat crop. Widespread damage to homes and businesses also occurred, mainly in the form of damaged siding and roofs. Monetary damage estimates were not available. |                    |                   |                     |                                |
| <b>KINGFISHER COUNTY --- 5.0 SSW LOYAL [35.90, -98.15]</b>  |                    |                   |                     |                                |
|   | 05/16/10 13:38 CST |                   | 0                   | Hail (1.25 in)                 |
|   | 05/16/10 13:38 CST |                   | 0                   | Source: Public                 |
| <b>CANADIAN COUNTY --- PIEDMONT [35.64, -97.75]</b>   |                    |                   |                     |                                |
|   | 05/16/10 14:32 CST |                   | 0                   | Hail (2.75 in)                 |
|   | 05/16/10 14:33 CST |                   | 0                   | Source: Public                 |
| <b>OKLAHOMA COUNTY --- 10.0 W EDMOND [35.65, -97.66]</b>  |                    |                   |                     |                                |
|   | 05/16/10 14:39 CST |                   | 0                   | Hail (1.00 in)                 |
|   | 05/16/10 14:39 CST |                   | 0                   | Source: Trained Spotter        |
| <b>OKLAHOMA COUNTY --- 4.0 NNW WARR ACRES [35.57, -97.65]</b>   |                    |                   |                     |                                |
|   | 05/16/10 14:45 CST |                   | 0                   | Hail (1.75 in)                 |
|   | 05/16/10 14:45 CST |                   | 0                   | Source: Public                 |
| <b>OKLAHOMA COUNTY --- 5.4 W EDMOND [35.65, -97.58]</b>   |                    |                   |                     |                                |
|   | 05/16/10 14:48 CST |                   | 0                   | Hail (1.25 in)                 |
|   | 05/16/10 14:48 CST |                   | 0                   | Source: Amateur Radio          |
| The hail was reported on Edmond Road between May and Portland Avenues.  |                    |                   |                     |                                |
| <b>OKLAHOMA COUNTY --- 2.5 NW THE VILLAGE [35.59, -97.58]</b>   |                    |                   |                     |                                |
|   | 05/16/10 14:50 CST |                   | 0                   | Hail (2.50 in)                 |
|   | 05/16/10 14:50 CST |                   | 0                   | Source: Public                 |
| Some homes had broken windows on the north sides of the structure. Numerous vehicles suffered significant damage. The winds were estimated at 50 mph.   |                    |                   |                     |                                |
| <b>OKLAHOMA COUNTY --- 5.5 NW THE VILLAGE [35.64, -97.61]</b>   |                    |                   |                     |                                |
|   | 05/16/10 14:50 CST |                   | 0                   | Hail (1.75 in)                 |
|   | 05/16/10 14:50 CST |                   | 0                   | Source: NWS Employee           |
| The hail was reported near Meridian Avenue and 164th Street.  |                    |                   |                     |                                |

## Storm Data and Unusual Weather Phenomena - May 2010

| Location   | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details       |
|--|--------------------|----------------------|------------------------|------------------------------|
| <b>OKLAHOMA COUNTY --- 7.0 NW THE VILLAGE [35.64, -97.64]</b>  |                    |                      |                        |                              |
|  | 05/16/10 14:50 CST |                      | 0                      | Hail (2.50 in)               |
|  | 05/16/10 14:50 CST |                      | 0                      | Source: Public               |
| <b>OKLAHOMA COUNTY --- 5.0 NNW WARR ACRES [35.59, -97.65]</b>  |                    |                      |                        |                              |
|  | 05/16/10 14:51 CST |                      | 0                      | Hail (2.00 in)               |
|  | 05/16/10 14:51 CST |                      | 0                      | Source: Amateur Radio        |
| <b>OKLAHOMA COUNTY --- 3.0 WSW EDMOND [35.63, -97.53]</b>  |                    |                      |                        |                              |
|  | 05/16/10 14:53 CST |                      | 0                      | Hail (1.00 in)               |
|  | 05/16/10 14:53 CST |                      | 0                      | Source: Amateur Radio        |
| <b>OKLAHOMA COUNTY --- 1.4 WSW THE VILLAGE [35.57, -97.57]</b>   |                    |                      |                        |                              |
|  | 05/16/10 14:55 CST |                      | 0                      | Hail (1.75 in)               |
|  | 05/16/10 15:00 CST | 21                   | 0                      | Source: Public               |
| The hail was reported near Lake Hefner. Several people sustained minor injuries after being caught outside during the hailstorm. |                    |                      |                        |                              |
| <b>OKLAHOMA COUNTY --- 5.0 NW OKLAHOMA CITY [35.52, -97.57]</b>  |                    |                      |                        |                              |
|  | 05/16/10 14:58 CST |                      | 0                      | Hail (4.25 in)               |
|  | 05/16/10 14:58 CST |                      | 0                      | Source: Amateur Radio        |
| <b>OKLAHOMA COUNTY --- 0.7 NNE NICHOLS HILLS [35.56, -97.53]</b>   |                    |                      |                        |                              |
|  | 05/16/10 15:00 CST |                      | 0                      | Hail (3.00 in)               |
|  | 05/16/10 15:00 CST |                      | 0                      | Source: Public               |
| The hail was reported near Western Avenue between Wilshire Boulevard and Britton Road.   |                    |                      |                        |                              |
| <b>OKLAHOMA COUNTY --- 1.6 WSW BETHANY [35.50, -97.66]</b>   |                    |                      |                        |                              |
|  | 05/16/10 15:00 CST |                      | 0                      | Hail (0.88 in)               |
|  | 05/16/10 15:15 CST |                      | 0                      | Source: NWS Employee         |
| The hail occurred near Council Road and NW 23rd Street.  |                    |                      |                        |                              |
| <b>OKLAHOMA COUNTY --- 2.4 ENE WARR ACRES [35.54, -97.58]</b>  |                    |                      |                        |                              |
|  | 05/16/10 15:00 CST |                      | 0                      | Hail (2.00 in)               |
|  | 05/16/10 15:00 CST |                      | 0                      | Source: Amateur Radio        |
| Several cars received significant damage from the large hail near NW 63rd Street and Portland Avenue.                            |                    |                      |                        |                              |
| <b>OKLAHOMA COUNTY --- 6.0 N OKLAHOMA CITY [35.56, -97.51]</b>   |                    |                      |                        |                              |
|  | 05/16/10 15:05 CST |                      | 0                      | Thunderstorm Wind (MG 52 kt) |
|  | 05/16/10 15:05 CST |                      | 0                      | Source: Mesonet              |
| <b>OKLAHOMA COUNTY --- 1.8 NW FOREST PARK [35.52, -97.48]</b>  |                    |                      |                        |                              |
|  | 05/16/10 15:06 CST |                      | 0                      | Hail (2.00 in)               |
|  | 05/16/10 15:06 CST |                      | 0                      | Source: Amateur Radio        |
| Very large hail broke street lights near Remington Park.   |                    |                      |                        |                              |
| <b>OKLAHOMA COUNTY --- 2.0 ENE NICHOLS HILLS [35.56, -97.51]</b>   |                    |                      |                        |                              |
|  | 05/16/10 15:06 CST |                      | 0                      | Hail (1.75 in)               |
|  | 05/16/10 15:06 CST |                      | 0                      | Source: Amateur Radio        |
| <b>OKLAHOMA COUNTY --- 2.0 NNW OKLAHOMA CITY [35.50, -97.52]</b>   |                    |                      |                        |                              |
|  | 05/16/10 15:07 CST |                      | 0                      | Hail (1.75 in)               |
|  | 05/16/10 15:07 CST |                      | 0                      | Source: Amateur Radio        |

## Storm Data and Unusual Weather Phenomena - May 2010

| Location   | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details       |
|--|--------------------|----------------------|------------------------|------------------------------|
| <b>OKLAHOMA COUNTY --- NICHOLS HILLS [35.55, -97.54]</b>   |                    |                      |                        |                              |
|  | 05/16/10 15:08 CST | 0                    |                        | Hail (2.00 in)               |
|  | 05/16/10 15:08 CST | 0                    |                        | Source: Emergency Manager    |
| Both car and residence windows were broken from the large hail.                                    |                    |                      |                        |                              |
| <b>OKLAHOMA COUNTY --- 4.0 SSW EDMOND [35.60, -97.51]</b>  |                    |                      |                        |                              |
|  | 05/16/10 15:10 CST | 0                    |                        | Hail (1.75 in)               |
|  | 05/16/10 15:10 CST | 0                    |                        | Source: Storm Chaser         |
| The hail was reported near the intersection of the Kilpatrick Turnpike and the Broadway Extension. |                    |                      |                        |                              |
| <b>OKLAHOMA COUNTY --- THE VILLAGE [35.57, -97.55]</b>   |                    |                      |                        |                              |
|  | 05/16/10 15:11 CST | 0                    |                        | Hail (2.00 in)               |
|  | 05/16/10 15:11 CST | 0                    |                        | Source: Trained Spotter      |
| <b>OKLAHOMA COUNTY --- 0.3 S THE VILLAGE [35.57, -97.55]</b>                                       |                    |                      |                        |                              |
|  | 05/16/10 15:12 CST | 0                    |                        | Thunderstorm Wind (EG 52 kt) |
|  | 05/16/10 15:12 CST | 0                    |                        | Source: Trained Spotter      |
| A few trees were uprooted, with power outages through the area as a result.                        |                    |                      |                        |                              |
| <b>OKLAHOMA COUNTY --- 2.0 NE OKLAHOMA CITY [35.49, -97.48]</b>                                    |                    |                      |                        |                              |
|  | 05/16/10 15:13 CST | 0                    |                        | Hail (1.75 in)               |
|  | 05/16/10 15:13 CST | 0                    |                        | Source: Public               |
| <b>OKLAHOMA COUNTY --- 3.0 WNW OKLAHOMA CITY [35.49, -97.56]</b>                                   |                    |                      |                        |                              |
|  | 05/16/10 15:18 CST | 0                    |                        | Hail (1.75 in)               |
|  | 05/16/10 15:18 CST | 0                    |                        | Source: Trained Spotter      |
| <b>OKLAHOMA COUNTY --- DEL CITY [35.45, -97.44]</b>  |                    |                      |                        |                              |
|  | 05/16/10 15:24 CST | 0                    |                        | Hail (1.00 in)               |
|  | 05/16/10 15:24 CST | 0                    |                        | Source: Amateur Radio        |
| The hail was reported near Sunnyslane Avenue and SE 15th Street.                                   |                    |                      |                        |                              |
| <b>OKLAHOMA COUNTY --- 2.0 SE FOREST PARK [35.49, -97.42]</b>                                      |                    |                      |                        |                              |
|  | 05/16/10 15:25 CST | 0                    |                        | Hail (1.25 in)               |
|  | 05/16/10 15:25 CST | 0                    |                        | Source: Trained Spotter      |
| <b>OKLAHOMA COUNTY --- 2.0 W DEL CITY [35.45, -97.48]</b>  |                    |                      |                        |                              |
|  | 05/16/10 15:25 CST | 0                    |                        | Hail (1.75 in)               |
|  | 05/16/10 15:25 CST | 0                    |                        | Source: Amateur Radio        |
| The hail was reported near Eastern Avenue and SE 15th Street.                                      |                    |                      |                        |                              |
| <b>OKLAHOMA COUNTY --- (TIK)TINKER AFB [35.41, -97.39]</b>   |                    |                      |                        |                              |
|  | 05/16/10 15:28 CST | 0                    |                        | Hail (2.50 in)               |
|  | 05/16/10 15:28 CST | 0                    |                        | Source: Other Federal Agency |
| <b>OKLAHOMA COUNTY --- 1.1 ENE MIDWEST CITY [35.46, -97.37]</b>                                    |                    |                      |                        |                              |
|  | 05/16/10 15:29 CST | 0                    |                        | Hail (1.00 in)               |
|  | 05/16/10 15:29 CST | 0                    |                        | Source: Amateur Radio        |
| The hail was reported near the intersection of Reno Avenue and Douglas Boulevard.                  |                    |                      |                        |                              |
| <b>OKLAHOMA COUNTY --- (TIK)TINKER AFB [35.41, -97.39]</b>   |                    |                      |                        |                              |
|  | 05/16/10 15:30 CST | 0                    |                        | Thunderstorm Wind (MG 50 kt) |
|  | 05/16/10 15:30 CST | 0                    |                        | Source: ASOS                 |

## Storm Data and Unusual Weather Phenomena - May 2010

| Location  | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details    |
|---|--------------------|----------------------|------------------------|---------------------------|
| <b>OKLAHOMA COUNTY --- 3.0 S CHOCTAW [35.45, -97.27]</b>                |                    |                      |                        |                           |
|   | 05/16/10 15:30 CST |                      | 0                      | Hail (2.00 in)            |
|   | 05/16/10 15:30 CST |                      | 0                      | Source: Public            |
| The hail was reported near SE 10th Street and Choctaw Rd.               |                    |                      |                        |                           |
| <b>OKLAHOMA COUNTY --- 2.8 SW (TIK)TINKER AFB [35.38, -97.42]</b>       |                    |                      |                        |                           |
|   | 05/16/10 15:38 CST |                      | 0                      | Hail (0.88 in)            |
|   | 05/16/10 15:38 CST |                      | 0                      | Source: NWS Employee      |
| <b>OKLAHOMA COUNTY --- 7.0 S NICOMA PARK [35.39, -97.32]</b>            |                    |                      |                        |                           |
|   | 05/16/10 15:39 CST |                      | 0                      | Hail (1.75 in)            |
|   | 05/16/10 15:39 CST |                      | 0                      | Source: Trained Spotter   |
| <b>CLEVELAND COUNTY --- STELLA [35.32, -97.21]</b>                      |                    |                      |                        |                           |
|   | 05/16/10 15:50 CST |                      | 0                      | Hail (1.75 in)            |
|   | 05/16/10 15:50 CST |                      | 0                      | Source: COOP Observer     |
| Several cars had their windshields cracked because of the large hail.   |                    |                      |                        |                           |
| <b>POTTAWATOMIE COUNTY --- 3.2 SW DALE [35.35, -97.09]</b>              |                    |                      |                        |                           |
|   | 05/16/10 15:53 CST |                      | 0                      | Hail (0.75 in)            |
|   | 05/16/10 15:53 CST |                      | 0                      | Source: Public            |
| The hail was reported a half of a mile northwest of Shawnee Twin Lakes. |                    |                      |                        |                           |
| <b>POTTAWATOMIE COUNTY --- SHAWNEE [35.33, -96.92]</b>                  |                    |                      |                        |                           |
|   | 05/16/10 16:10 CST |                      | 0                      | Hail (1.00 in)            |
|   | 05/16/10 16:10 CST |                      | 0                      | Source: County Official   |
| <b>PONTOTOC COUNTY --- ALLEN [34.88, -96.41]</b>                        |                    |                      |                        |                           |
|   | 05/16/10 17:13 CST |                      | 0                      | Hail (2.00 in)            |
|   | 05/16/10 17:18 CST |                      | 0                      | Source: Emergency Manager |
| <b>CUSTER COUNTY --- 3.0 SE CUSTER CITY [35.63, -98.84]</b>             |                    |                      |                        |                           |
|   | 05/16/10 17:27 CST |                      | 0                      | Hail (1.00 in)            |
|   | 05/16/10 17:27 CST |                      | 0                      | Source: Public            |
| <b>COAL COUNTY --- 10.0 NNE COALGATE [34.67, -96.15]</b>                |                    |                      |                        |                           |
|   | 05/16/10 17:49 CST |                      | 0                      | Hail (1.00 in)            |
|   | 05/16/10 17:49 CST |                      | 0                      | Source: Public            |
| <b>ATOKA COUNTY --- 4.0 WSW DAISY [34.52, -95.80]</b>                   |                    |                      |                        |                           |
|   | 05/16/10 18:24 CST |                      | 0                      | Hail (1.75 in)            |
|   | 05/16/10 18:24 CST |                      | 0                      | Source: Public            |
| <b>WOODS COUNTY --- 13.5 NNE CAMP HOUSTON [36.99, -99.03]</b>           |                    |                      |                        |                           |
|   | 05/16/10 19:26 CST |                      | 0                      | Hail (0.88 in)            |
|   | 05/16/10 19:26 CST |                      | 0                      | Source: Public            |

Thunderstorms developed by mid afternoon in northwest Oklahoma near a warm front. A long-lived supercell became organized over Major County and moved southeast, leaving a swath of large damaging hail in its wake.

Baseball size hail was reported west of Fairview, with softball size hail west of Okeene. As the storm moved southeast, the coverage of hail increased, with numerous reports of golfball size - and a few baseball size - hail from near Kingfisher to northwest Oklahoma City. The storm continued southeast through Oklahoma City, causing extensive damage.

Damage was widespread and significant in and around the Oklahoma City metro area. Numerous vehicles were heavily damaged or even totaled by the large amounts of damaging hail. Numerous buildings suffered roof, window and structural damage, and trees and

## Storm Data and Unusual Weather Phenomena - May 2010

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|-----------|-------------------|---------------------|------------------------|
|----------|-----------|-------------------|---------------------|------------------------|

vegetation were shredded by the large hail. Hail drifts reached several feet deep over some areas, and a few locations reported hail still on the ground more than 12 hours later.

As the storm continued southeast, it continued to produce hail near golf ball size through parts of Seminole, Hughes, and Atoka counties.

While exact damage figures were not available, estimates place the monetary losses in excess of \$500 million.



*At least golf ball-size hail near 164th Street and Meridian Avenue. Photo courtesy of Ty Judd.*

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**ELLIS COUNTY --- 16.9 S ARNETT [35.90, -99.76]**

|                    |   |                                      |
|--------------------|---|--------------------------------------|
| 05/19/10 00:22 CST | 0 | Tornado (EF0, L: 0.50 mi , W: 50 yd) |
| 05/19/10 00:22 CST | 0 | Source: Emergency Manager            |

A tornado was observed 1 mile west of Packsaddle in extreme southern Ellis County. No damage was reported with the tornado.

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**DEWEY COUNTY --- LEEDEY [35.87, -99.35]**

|                    |   |                                |
|--------------------|---|--------------------------------|
| 05/19/10 01:17 CST | 0 | Hail (2.00 in)                 |
| 05/19/10 01:17 CST | 0 | Source: Fire Department/Rescue |

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**DEWEY COUNTY --- 1.0 S CAMARGO [36.01, -99.29]**

|                    |   |                         |
|--------------------|---|-------------------------|
| 05/19/10 01:24 CST | 0 | Hail (1.50 in)          |
| 05/19/10 01:24 CST | 0 | Source: Trained Spotter |

## Storm Data and Unusual Weather Phenomena - May 2010

| Location  | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details               |
|---|--------------------|-------------------|---------------------|--------------------------------------|
| <b>DEWEY COUNTY --- 6.0 SW TALOGA [35.98, -99.04]</b>   |                    |                   |                     |                                      |
|   | 05/19/10 01:57 CST |                   | 0                   | Hail (1.00 in)                       |
|   | 05/19/10 01:57 CST |                   | 0                   | Source: Law Enforcement              |
| The report was relayed by the Dewey county sheriff.   |                    |                   |                     |                                      |
| <b>DEWEY COUNTY --- 3.0 S TALOGA [36.00, -98.96]</b>  |                    |                   |                     |                                      |
|   | 05/19/10 02:08 CST |                   | 0                   | Hail (1.00 in)                       |
|   | 05/19/10 02:08 CST |                   | 0                   | Source: Law Enforcement              |
| The report was relayed by the Dewey county sheriff.   |                    |                   |                     |                                      |
| <b>DEWEY COUNTY --- TALOGA [36.04, -98.96]</b>  |                    |                   |                     |                                      |
|   | 05/19/10 02:15 CST |                   | 0                   | Hail (1.75 in)                       |
|   | 05/19/10 02:15 CST |                   | 0                   | Source: Law Enforcement              |
| Reported by the Dewey county sheriff.   |                    |                   |                     |                                      |
| <b>ELLIS COUNTY --- 4.5 N FARGO [36.44, -99.62]</b>   |                    |                   |                     |                                      |
|   | 05/19/10 02:15 CST |                   | 0                   | Tornado (EF1, L: 0.50 mi , W: 30 yd) |
|   | 05/19/10 02:15 CST |                   | 0                   | Source: Emergency Manager            |
| A tornado touched down briefly north of Fargo destroying a trailer and damaging trees and power lines. Monetary damage estimates were not available.  |                    |                   |                     |                                      |
| <b>DEWEY COUNTY --- 3.0 N VICI [36.19, -99.30]</b>  |                    |                   |                     |                                      |
|   | 05/19/10 03:17 CST |                   | 0                   | Hail (0.88 in)                       |
|   | 05/19/10 03:17 CST |                   | 0                   | Source: Emergency Manager            |
| <b>KAY COUNTY --- 0.5 NNW TONKAWA [36.69, -97.31]</b>   |                    |                   |                     |                                      |
|   | 05/19/10 04:45 CST |                   | 0                   | Hail (0.88 in)                       |
|   | 05/19/10 04:45 CST |                   | 0                   | Source: Public                       |
| The hail occurred near the intersection of 10th Street and Rence Avenue.  |                    |                   |                     |                                      |
| <b>NOBLE COUNTY --- PERRY [36.29, -97.29]</b>   |                    |                   |                     |                                      |
|   | 05/19/10 05:35 CST |                   | 0                   | Thunderstorm Wind (EG 61 kt)         |
|   | 05/19/10 05:35 CST |                   | 0                   | Source: Trained Spotter              |
| No damage was reported with the wind gust.  |                    |                   |                     |                                      |
| <b>PAYNE COUNTY --- STILLWATER [36.12, -97.06]</b>  |                    |                   |                     |                                      |
|   | 05/19/10 05:56 CST |                   | 0                   | Hail (0.75 in)                       |
|   | 05/19/10 05:56 CST |                   | 0                   | Source: Public                       |
| The hail occurred at the OSU Fire Service Training Grounds.   |                    |                   |                     |                                      |
| <b>Two large severe thunderstorms with a history of producing very large hail and tornadoes moved through the northern Texas panhandle and into northwest Oklahoma. Hail up to two inches in diameter was reported along their track. No damage was reported.</b> |                    |                   |                     |                                      |
| <b>DEWEY COUNTY --- 4.0 NNW LEEDEY [35.92, -99.38], 4.6 SSW CAMARGO [35.96, -99.31]</b>   |                    |                   |                     |                                      |
|   | 05/19/10 14:24 CST |                   | 0                   | Tornado (EF0, L: 5.90 mi , W: 40 yd) |
|   | 05/19/10 14:30 CST |                   | 0                   | Source: NWS Storm Survey             |
| Video and radar evidence showed a tornado northwest of Leedeey. The tornado moved over open country, with no known damage occurring.  |                    |                   |                     |                                      |
| <b>DEWEY COUNTY --- 4.0 SSW CAMARGO [35.97, -99.32]</b>   |                    |                   |                     |                                      |
|   | 05/19/10 14:42 CST |                   | 0                   | Hail (2.00 in)                       |
|   | 05/19/10 14:42 CST |                   | 0                   | Source: Trained Spotter              |
| <b>DEWEY COUNTY --- 7.0 NNE LEEDEY [35.96, -99.30]</b>  |                    |                   |                     |                                      |

## Storm Data and Unusual Weather Phenomena - May 2010

| Location   | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details                 |
|--|--------------------|-------------------|---------------------|--|
|  | 05/19/10 14:42 CST |                   | 0                   | Hail (2.50 in)                         |
|  | 05/19/10 14:42 CST |                   | 0                   | Source: Public                         |
| <hr/>  |                    |                   |                     |  |
| <b>DEWEY COUNTY --- 3.0 S CAMARGO [35.98, -99.29]</b>  |                    |                   |                     |  |
|  | 05/19/10 14:50 CST |                   | 0                   | Hail (1.75 in)                         |
|  | 05/19/10 14:50 CST |                   | 0                   | Source: Trained Spotter                |
| The report was relayed by Vortex2.   |                    |                   |                     |  |
| <hr/>  |                    |                   |                     |  |
| <b>KINGFISHER COUNTY --- 1.0 NW HENNESSEY [36.12, -97.91]</b>  |                    |                   |                     |  |
|  | 05/19/10 15:41 CST |                   | 0                   | Tornado (EF0, L: 0.10 mi , W: 50 yd)   |
|  | 05/19/10 15:48 CST |                   | 0                   | Source: NWS Storm Survey               |
| The tornado remained nearly stationary. No known damage occurred with the tornado.   |                    |                   |                     |  |
| <hr/>  |                    |                   |                     |  |
| <b>DEWEY COUNTY --- 4.5 E HUCMAC [36.06, -98.71]</b>   |                    |                   |                     |  |
|  | 05/19/10 15:50 CST |                   | 0                   | Hail (1.00 in)                         |
|  | 05/19/10 15:50 CST |                   | 0                   | Source: Trained Spotter                |
| The report was relayed by Vortex2.   |                    |                   |                     |  |
| <hr/>  |                    |                   |                     |  |
| <b>BLAINE COUNTY --- 4.0 N EAGLE CITY [35.99, -98.59]</b>  |                    |                   |                     |  |
|  | 05/19/10 16:03 CST |                   | 0                   | Hail (3.25 in)                         |
|  | 05/19/10 16:03 CST |                   | 0                   | Source: Storm Chaser                   |
| <hr/>  |                    |                   |                     |  |
| <b>BLAINE COUNTY --- 2.0 S CANTON [36.03, -98.59]</b>  |                    |                   |                     |  |
|  | 05/19/10 16:04 CST |                   | 0                   | Hail (1.25 in)                         |
|  | 05/19/10 16:04 CST |                   | 0                   | Source: Public                         |
| <hr/>  |                    |                   |                     |  |
| <b>KINGFISHER COUNTY --- 10.0 E HENNESSEY [36.11, -97.72]</b>  |                    |                   |                     |  |
|  | 05/19/10 16:08 CST |                   | 0                   | Tornado (EF0, L: 0.10 mi , W: 10 yd)   |
|  | 05/19/10 16:08 CST |                   | 0                   | Source: NWS Storm Survey               |
| Video and radar evidence showed a brief tornado occurring 10 miles east of Hennessey. No known damage occurred with the radar. The timing and location of the tornado were estimated based on radar.   |                    |                   |                     |  |
| <hr/>  |                    |                   |                     |  |
| <b>LOGAN COUNTY --- 4.0 SSE MARSHALL [36.11, -97.59], 4.0 SE MARSHALL [36.12, -97.57]</b>  |                    |                   |                     |  |
|  | 05/19/10 16:24 CST |                   | 0                   | Tornado (EF0, L: 1.56 mi , W: 20 yd)   |
|  | 05/19/10 16:27 CST |                   | 0                   | Source: NWS Storm Survey               |
| Video and radar evidence suggest a mostly rain-wrapped tornado occurred from 4 miles SSE of Marshall to 4 miles SE of Marshall. No known damage occurred with the tornado.   |                    |                   |                     |  |
| <hr/>  |                    |                   |                     |  |
| <b>LOGAN COUNTY --- 4.0 SSE MARSHALL [36.11, -97.59]</b>   |                    |                   |                     |  |
|  | 05/19/10 16:30 CST |                   | 0                   | Thunderstorm Wind (MG 53 kt)           |
|  | 05/19/10 16:30 CST |                   | 0                   | Source: Mesonet                        |
| <hr/>  |                    |                   |                     |  |
| <b>KINGFISHER COUNTY --- 1.0 W LOYAL [35.97, -98.14], 5.0 NNE KINGFISHER [35.93, -97.90]</b>   |                    |                   |                     |  |
|  | 05/19/10 16:33 CST |                   | 0                   | Tornado (EF1, L: 14.00 mi , W: 75 yd)  |
|  | 05/19/10 17:00 CST | 1                 | 0                   | Source: NWS Storm Survey               |
| The tornado developed just west of Loyal, where an un-anchored trailer home was destroyed and a power pole was downed. The tornado continued east toward the southern edge of Loyal, with tree damage reported in Loyal. The tornado crossed US Highway 81 north of Kingfisher, and a truck was blown off the road with the driver suffering minor injuries. Also near this location, the Department of Transportation salt barn was destroyed five miles north of Kingfisher and sign/fence damage occurred just east of this location. Monetary damage estimates were not available. |                    |                   |                     |  |
| <hr/>  |                    |                   |                     |  |
| <b>PAYNE COUNTY --- 15.0 W STILLWATER [36.12, -97.33], 5.0 WNW STILLWATER [36.15, -97.14]</b>  |                    |                   |                     |  |
|  | 05/19/10 17:03 CST |                   | 0                   | Tornado (EF1, L: 10.55 mi , W: 200 yd) |
|  | 05/19/10 17:36 CST |                   | 0                   | Source: NWS Storm Survey               |



## Storm Data and Unusual Weather Phenomena - May 2010

| Location  | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details               |
|---|--------------------|----------------------|------------------------|--------------------------------------|
| <p>Radar and video evidence showed a tornado moved from just east of Interstate 35, over Lake Carl Blackwell, to five miles west of Stillwater. Most of the damage occurred at Range and McElroy Roads. Much of the damage was confined to trees. However, a large wooden barn sustained damage, as well as a tin roof taken off a home, and other outbuildings were damaged. Monetary damage estimates were not available.</p> |                    |                      |                        |                                      |
| <hr/>   |                    |                      |                        |                                      |
| <b>LOGAN COUNTY --- 2.0 SE ORLANDO [36.13, -97.35]</b>  |                    |                      |                        |                                      |
|   | 05/19/10 17:04 CST | 0                    |                        | Tornado (EF0, L: 0.10 mi , W: 10 yd) |
|   | 05/19/10 17:05 CST | 0                    |                        | Source: NWS Storm Survey             |
| <p>Radar and local media coverage suggest a brief tornado occurred 2 miles southeast of Orlando. No known damage occurred with the tornado.</p>   |                    |                      |                        |                                      |
| <hr/>   |                    |                      |                        |                                      |
| <b>LOGAN COUNTY --- 4.0 SSE MARSHALL [36.11, -97.59]</b>  |                    |                      |                        |                                      |
|   | 05/19/10 17:35 CST | 0                    |                        | Thunderstorm Wind (MG 50 kt)         |
|   | 05/19/10 17:35 CST | 0                    |                        | Source: Mesonet                      |
| <hr/>   |                    |                      |                        |                                      |
| <b>STEPHENS COUNTY --- 2.0 NW DUNCAN [34.52, -97.98]</b>  |                    |                      |                        |                                      |
|   | 05/19/10 17:49 CST | 0                    |                        | Hail (1.00 in)                       |
|   | 05/19/10 17:49 CST | 0                    |                        | Source: Amateur Radio                |
| <hr/>   |                    |                      |                        |                                      |
| <b>CLEVELAND COUNTY --- 4.0 W NORMAN [35.22, -97.51]</b>  |                    |                      |                        |                                      |
|   | 05/19/10 17:56 CST | 0                    |                        | Hail (1.00 in)                       |
|   | 05/19/10 17:56 CST | 0                    |                        | Source: Public                       |
| <hr/>   |                    |                      |                        |                                      |
| <b>STEPHENS COUNTY --- 1.0 NE DUNCAN [34.51, -97.95]</b>  |                    |                      |                        |                                      |
|   | 05/19/10 17:58 CST | 0                    |                        | Hail (1.75 in)                       |
|   | 05/19/10 17:58 CST | 0                    |                        | Source: Amateur Radio                |
| <hr/>   |                    |                      |                        |                                      |
| <b>CLEVELAND COUNTY --- 1.0 NW NORMAN [35.23, -97.45]</b>   |                    |                      |                        |                                      |
|   | 05/19/10 18:00 CST | 0                    |                        | Hail (1.00 in)                       |
|   | 05/19/10 18:00 CST | 0                    |                        | Source: Amateur Radio                |
| <hr/>   |                    |                      |                        |                                      |
| <b>MCCLAIN COUNTY --- 3.0 S BLANCHARD [35.10, -97.66]</b>   |                    |                      |                        |                                      |
|   | 05/19/10 18:00 CST | 0                    |                        | Hail (1.75 in)                       |
|   | 05/19/10 18:00 CST | 0                    |                        | Source: Public                       |
| <hr/>   |                    |                      |                        |                                      |
| <b>CLEVELAND COUNTY --- 1.0 NW NORMAN [35.23, -97.45]</b>   |                    |                      |                        |                                      |
|   | 05/19/10 18:01 CST | 0                    |                        | Thunderstorm Wind (MG 50 kt)         |
|   | 05/19/10 18:01 CST | 0                    |                        | Source: Amateur Radio                |
| <hr/>   |                    |                      |                        |                                      |
| <b>CLEVELAND COUNTY --- 2.0 SSW NORMAN [35.19, -97.45]</b>  |                    |                      |                        |                                      |
|   | 05/19/10 18:04 CST | 0                    |                        | Hail (1.25 in)                       |
|   | 05/19/10 18:04 CST | 0                    |                        | Source: Trained Spotter              |
| <hr/>   |                    |                      |                        |                                      |
| <b>LOGAN COUNTY --- 4.1 N CRESCENT [36.01, -97.60], 5.0 S CRESCENT [35.88, -97.60]</b>  |                    |                      |                        |                                      |
|   | 05/19/10 18:04 CST | 0                    |                        | Hail (3.50 in)                       |
|   | 05/19/10 18:07 CST | 0                    |                        | Source: Emergency Manager            |
| <p>The Logan county emergency manager reported hail from 2.75 to 3.5 inches. He reported the hail was located from 4 miles north of Crescent to 5 miles south of Crescent. Numerous windows were broken at homes on the north side of Crescent, as well as numerous car windows. Monetary damage estimates were not available.</p>  |                    |                      |                        |                                      |
| <hr/>   |                    |                      |                        |                                      |
| <b>MCCLAIN COUNTY --- 3.0 S GOLDSBY [35.11, -97.48]</b>   |                    |                      |                        |                                      |
|   | 05/19/10 18:22 CST | 0                    |                        | Hail (2.75 in)                       |
|   | 05/19/10 18:22 CST | 0                    |                        | Source: Storm Chaser                 |
| <hr/>   |                    |                      |                        |                                      |
| <b>CLEVELAND COUNTY --- 3.0 S NORMAN [35.18, -97.44]</b>  |                    |                      |                        |                                      |
|   | 05/19/10 18:26 CST | 0                    |                        | Hail (1.00 in)                       |
|   | 05/19/10 18:26 CST | 0                    |                        | Source: Storm Chaser                 |
| <hr/>   |                    |                      |                        |                                      |
| <b>CLEVELAND COUNTY --- NOBLE [35.14, -97.39]</b>   |                    |                      |                        |                                      |

## Storm Data and Unusual Weather Phenomena - May 2010

| Location   | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details  |
|--|--------------------|----------------------|------------------------|-------------------------|
|  | 05/19/10 18:26 CST |                      | 0                      | Hail (1.75 in)          |
|  | 05/19/10 18:29 CST |                      | 0                      | Source: Law Enforcement |
| <hr/>  |                    |                      |                        |                         |
| <b>CLEVELAND COUNTY --- 2.6 S NORMAN [35.18, -97.44]</b>                 |                    |                      |                        |                         |
|  | 05/19/10 18:28 CST |                      | 0                      | Hail (1.25 in)          |
|  | 05/19/10 18:28 CST |                      | 0                      | Source: NWS Employee    |
| <hr/>  |                    |                      |                        |                         |
| The hail was reported at the National Weather Center.                    |                    |                      |                        |                         |
| <hr/>  |                    |                      |                        |                         |
| <b>CLEVELAND COUNTY --- 6.0 SSE LAKE THUNDERBIRD DAM [35.14, -97.18]</b> |                    |                      |                        |                         |
|  | 05/19/10 18:28 CST |                      | 0                      | Hail (1.00 in)          |
|  | 05/19/10 18:28 CST |                      | 0                      | Source: NWS Employee    |
| <hr/>  |                    |                      |                        |                         |
| <b>CLEVELAND COUNTY --- 2.0 S NOBLE [35.11, -97.39]</b>                  |                    |                      |                        |                         |
|  | 05/19/10 18:30 CST |                      | 0                      | Hail (2.75 in)          |
|  | 05/19/10 18:30 CST |                      | 0                      | Source: Public          |
| <hr/>  |                    |                      |                        |                         |
| <b>CLEVELAND COUNTY --- 2.0 SSE NOBLE [35.11, -97.38]</b>                |                    |                      |                        |                         |
|  | 05/19/10 18:34 CST |                      | 0                      | Hail (3.00 in)          |
|  | 05/19/10 18:34 CST |                      | 0                      | Source: Amateur Radio   |
| <hr/>  |                    |                      |                        |                         |
| <b>CLEVELAND COUNTY --- 3.0 S NORMAN [35.18, -97.44]</b>                 |                    |                      |                        |                         |
|  | 05/19/10 18:37 CST |                      | 0                      | Hail (1.75 in)          |
|  | 05/19/10 18:37 CST |                      | 0                      | Source: Public          |
| <hr/>  |                    |                      |                        |                         |
| <b>CLEVELAND COUNTY --- 6.0 ESE NORMAN [35.19, -97.34]</b>               |                    |                      |                        |                         |
|  | 05/19/10 18:37 CST |                      | 0                      | Hail (1.25 in)          |
|  | 05/19/10 18:37 CST |                      | 0                      | Source: NWS Employee    |
| <hr/>  |                    |                      |                        |                         |
| <b>MCCLAIN COUNTY --- 1.5 SSE GOLDSBY [35.13, -97.47]</b>                |                    |                      |                        |                         |
|  | 05/19/10 18:40 CST |                      | 0                      | Hail (2.75 in)          |
|  | 05/19/10 18:40 CST |                      | 0                      | Source: Amateur Radio   |
| <hr/>  |                    |                      |                        |                         |
| Golf ball- to baseball-size hail was reported in Goldsby.                |                    |                      |                        |                         |
| <hr/>  |                    |                      |                        |                         |
| <b>CLEVELAND COUNTY --- 9.0 E NORMAN [35.22, -97.28]</b>                 |                    |                      |                        |                         |
|  | 05/19/10 18:43 CST |                      | 0                      | Hail (1.25 in)          |
|  | 05/19/10 18:43 CST |                      | 0                      | Source: Amateur Radio   |
| <hr/>  |                    |                      |                        |                         |
| <b>CLEVELAND COUNTY --- 5.0 E NOBLE [35.14, -97.30]</b>                  |                    |                      |                        |                         |
|  | 05/19/10 18:45 CST |                      | 0                      | Hail (1.00 in)          |
|  | 05/19/10 18:45 CST |                      | 0                      | Source: Public          |
| <hr/>  |                    |                      |                        |                         |
| <b>CLEVELAND COUNTY --- 6.1 SSE LAKE THUNDERBIRD DAM [35.14, -97.18]</b> |                    |                      |                        |                         |
|  | 05/19/10 18:45 CST |                      | 0                      | Hail (2.50 in)          |
|  | 05/19/10 18:45 CST |                      | 0                      | Source: NWS Employee    |
| <hr/>  |                    |                      |                        |                         |
| <b>CLEVELAND COUNTY --- 2.8 WNW LAKE THUNDERBIRD DAM [35.23, -97.27]</b> |                    |                      |                        |                         |
|  | 05/19/10 18:47 CST |                      | 0                      | Hail (1.00 in)          |
|  | 05/19/10 18:47 CST |                      | 0                      | Source: Amateur Radio   |
| <hr/>  |                    |                      |                        |                         |
| <b>CLEVELAND COUNTY --- 4.0 NE NOBLE [35.18, -97.34]</b>                 |                    |                      |                        |                         |
|  | 05/19/10 18:50 CST |                      | 0                      | Hail (1.50 in)          |
|  | 05/19/10 18:50 CST |                      | 0                      | Source: NWS Employee    |
| <hr/>  |                    |                      |                        |                         |
| <b>GARVIN COUNTY --- FOSTER [34.62, -97.49]</b>                          |                    |                      |                        |                         |
|  | 05/19/10 18:50 CST |                      | 0                      | Hail (1.75 in)          |
|  | 05/19/10 19:00 CST |                      | 0                      | Source: Amateur Radio   |

## Storm Data and Unusual Weather Phenomena - May 2010

| Location  | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details                 |
|---|--------------------|----------------------|------------------------|--|
| <b>CLEVELAND COUNTY --- 6.4 SSE LAKE THUNDERBIRD DAM [35.13, -97.20]</b>  |                    |                      |                        |  |
|   | 05/19/10 19:10 CST |                      | 0                      | Hail (1.00 in)                         |
|   | 05/19/10 19:10 CST |                      | 0                      | Source: NWS Employee                   |
| <b>GARVIN COUNTY --- 1.0 SW ELMORE CITY [34.61, -97.41]</b>   |                    |                      |                        |  |
|   | 05/19/10 19:10 CST |                      | 0                      | Hail (1.50 in)                         |
|   | 05/19/10 19:10 CST |                      | 0                      | Source: Public                         |
| <b>LINCOLN COUNTY --- 5.5 WNW PRAGUE [35.52, -96.78], 4.1 WNW PRAGUE [35.51, -96.76]</b>  |                    |                      |                        |  |
|   | 05/19/10 19:12 CST |                      | 0                      | Tornado (EF1, L: 1.40 mi , W: 25 yd)   |
|   | 05/19/10 19:17 CST |                      | 0                      | Source: NWS Storm Survey               |
| The tornado developed approximately 5.5 miles west-northwest of Prague, destroying an outbuilding. Additional damage occurred to a tin barn and several trees 4 miles west-northwest of Prague. Radar imagery suggests the tornado lifted shortly after this. Monetary damage estimates were not available.   |                    |                      |                        |  |
| <b>GARVIN COUNTY --- 6.6 NE HENNEPIN [34.58, -97.27], 3.5 SSW WYNNEWOOD [34.59, -97.17]</b>   |                    |                      |                        |  |
|   | 05/19/10 19:31 CST |                      | 0                      | Tornado (EF0, L: 5.50 mi , W: 375 yd)  |
|   | 05/19/10 19:40 CST |                      | 0                      | Source: NWS Storm Survey               |
| The tornado developed 7 miles west-southwest of Wynnewood in Garvin county, and continued into Murray county, where the bulk of the damage occurred. Minor tree damage occurred on the Garvin county side of the tornado. Monetary damage estimates were not available.   |                    |                      |                        |  |
| <b>POTTAWATOMIE COUNTY --- 1.0 S MACOMB [35.14, -97.01]</b>   |                    |                      |                        |  |
|   | 05/19/10 19:36 CST |                      | 0                      | Hail (1.75 in)                         |
|   | 05/19/10 19:36 CST |                      | 0                      | Source: Storm Chaser                   |
| <b>MURRAY COUNTY --- 1.9 W JOY [34.59, -97.17], 8.0 N SULPHUR [34.63, -96.97]</b>   |                    |                      |                        |  |
|   | 05/19/10 19:40 CST |                      | 0                      | Tornado (EF1, L: 12.00 mi , W: 375 yd) |
|   | 05/19/10 19:53 CST |                      | 0                      | Source: NWS Storm Survey               |
| This is a continuation of the Garvin county tornado that began 7 miles west-southwest of Wynnewood. Structural damage was concentrated in and around the community of Joy, along Joy Rd. east of Hwy 77. Several barns and outbuildings were heavily damaged, and some homes had roof damage. Extensive tree and power pole/line damage was also noted. Further to the east-northeast a home lost part of its roof. Monetary damage estimates were not available. |                    |                      |                        |  |
| <b>POTTAWATOMIE COUNTY --- 4.0 W ST LOUIS [35.07, -96.93]</b>   |                    |                      |                        |  |
|   | 05/19/10 19:40 CST |                      | 0                      | Hail (1.75 in)                         |
|   | 05/19/10 19:40 CST |                      | 0                      | Source: Public                         |
| <b>GARVIN COUNTY --- 10.0 S STRATFORD [34.66, -96.96]</b>   |                    |                      |                        |  |
|   | 05/19/10 20:16 CST |                      | 0                      | Hail (1.75 in)                         |
|   | 05/19/10 20:16 CST |                      | 0                      | Source: Trained Spotter                |
| <b>PONTOTOC COUNTY --- 2.0 W ROFF [34.63, -96.88]</b>   |                    |                      |                        |  |
|   | 05/19/10 20:32 CST |                      | 0                      | Thunderstorm Wind (EG 61 kt)           |
|   | 05/19/10 20:32 CST |                      | 0                      | Source: Amateur Radio                  |
| No damage was reported with the wind gust.  |                    |                      |                        |  |
| <b>PONTOTOC COUNTY --- ROFF [34.63, -96.84]</b>   |                    |                      |                        |  |
|   | 05/19/10 20:37 CST |                      | 0                      | Hail (1.75 in)                         |
|   | 05/19/10 20:37 CST |                      | 0                      | Source: Amateur Radio                  |
| <b>PONTOTOC COUNTY --- 9.0 SW ADA [34.68, -96.79]</b>   |                    |                      |                        |  |
|   | 05/19/10 21:15 CST |                      | 0                      | Hail (1.75 in)                         |
|   | 05/19/10 21:15 CST |                      | 0                      | Source: Emergency Manager              |
| <b>COAL COUNTY --- TUPELO [34.60, -96.42]</b>   |                    |                      |                        |  |
|   | 05/19/10 22:02 CST |                      | 0                      | Hail (0.88 in)                         |
|   | 05/19/10 22:02 CST |                      | 0                      | Source: Trained Spotter                |

## Storm Data and Unusual Weather Phenomena - May 2010

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|-----------|-------------------|---------------------|------------------------|
|----------|-----------|-------------------|---------------------|------------------------|

A large storm system moved through the southern and central Plains during the morning and afternoon of the 19th. Thunderstorms, some of them severe, had developed over the Texas panhandle and moved east into northwest and north central Oklahoma during the early morning hours. Additional development, aided by the low-level jet, occurred into parts of central Oklahoma, north of a warm front that was slowly moving north to near Interstate 40.

By mid afternoon, the well-defined front was located from parts of west-central into central Oklahoma, just north of the Oklahoma City metro area. Two thunderstorms developed near and along the front, one over Roger Mills and Dewey counties, and the other over northern Blaine county. The storms quickly became tornadic, with the first tornado of the day occurring north of Leedey in Dewey county. Another tornado, and probably the most photographed one of the day, occurred just north of Hennessey. Tornadoes, most of them brief in duration, and large hail continued across western and central Kingfisher county, and across northern Logan, southeast Garfield, and Payne counties. Another thunderstorm developed further east along the dry line later in the afternoon, and the storm eventually produced a tornado west of Prague in Lincoln county.

Finally, two supercell thunderstorms developed further south along the dry line that moved into central Oklahoma. Although both showed significant rotation on radar, only the supercell that moved from Stephens through Murray counties produced tornadoes. Two tornadoes were reported, one just southeast of Wynnewood and another north of Sulphur.

Additional severe thunderstorms developed across southern Oklahoma, but the main impacts had shifted from tornadoes to large hail and very heavy rainfall. By the time it was all said and done, five main supercells had occurred over parts of western and central Oklahoma, producing at least nine tornadoes. Widespread significant damage did not occur due to the location/short duration of the tornadoes, and only three minor injuries were reported.

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**ELLIS COUNTY --- 1.0 SW GAGE [36.31, -99.77]**

|                    |   |  |                              |
|--------------------|---|--|------------------------------|
| 05/24/10 17:45 CST | 0 |  | Thunderstorm Wind (MG 57 kt) |
| 05/24/10 17:45 CST | 0 |  | Source: ASOS                 |

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**ELLIS COUNTY --- 1.0 SW GAGE [36.31, -99.77]**

|                    |   |  |                              |
|--------------------|---|--|------------------------------|
| 05/24/10 17:56 CST | 0 |  | Thunderstorm Wind (MG 60 kt) |
| 05/24/10 17:56 CST | 0 |  | Source: ASOS                 |

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**CUSTER COUNTY --- 6.0 NE MOOREWOOD [35.80, -99.27]**

|                    |   |  |                |
|--------------------|---|--|----------------|
| 05/24/10 18:42 CST | 0 |  | Hail (1.00 in) |
| 05/24/10 18:42 CST | 0 |  | Source: Public |

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**DEWEY COUNTY --- 4.0 E LEEDEY [35.87, -99.28]**

|                    |   |  |                         |
|--------------------|---|--|-------------------------|
| 05/24/10 18:50 CST | 0 |  | Hail (2.25 in)          |
| 05/24/10 18:50 CST | 0 |  | Source: Broadcast Media |

The hail was reported by KWTW-9.

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**WOODWARD COUNTY --- 17.6 N MOORELAND ARPT [36.73, -99.13]**

|                    |   |  |                              |
|--------------------|---|--|------------------------------|
| 05/24/10 18:55 CST | 0 |  | Thunderstorm Wind (MG 52 kt) |
| 05/24/10 18:55 CST | 0 |  | Source: Mesonet              |

The wind gust occurred at the Freedom mesonet site.

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**ELLIS COUNTY --- 5.0 SSW SHATTUCK [36.20, -99.91]**

|                    |   |  |                |
|--------------------|---|--|----------------|
| 05/24/10 19:10 CST | 0 |  | Hail (0.88 in) |
| 05/24/10 19:10 CST | 0 |  | Source: Public |

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**WOODS COUNTY --- 16.0 NNE FREEDOM [36.98, -99.00]**

|                    |   |  |                              |
|--------------------|---|--|------------------------------|
| 05/24/10 19:15 CST | 0 |  | Thunderstorm Wind (MG 51 kt) |
| 05/24/10 19:15 CST | 0 |  | Source: Mesonet              |

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**WOODS COUNTY --- 16.0 NNE FREEDOM [36.98, -99.00]**

|                    |   |  |                              |
|--------------------|---|--|------------------------------|
| 05/24/10 19:20 CST | 0 |  | Thunderstorm Wind (MG 55 kt) |
| 05/24/10 19:20 CST | 0 |  | Source: Mesonet              |

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**WOODWARD COUNTY --- 2.8 S TANGIER [36.38, -99.53]**

## Storm Data and Unusual Weather Phenomena - May 2010

| Location | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details               |
|----------|--------------------|-------------------|---------------------|--------------------------------------|
|          | 05/24/10 19:48 CST |                   | 0                   | Tornado (EF0, L: 0.20 mi , W: 30 yd) |
|          | 05/24/10 19:48 CST |                   | 0                   | Source: Emergency Manager            |

A small tornado touched down south of Tangier. Two power poles were snapped and some light farm implements were thrown. The residence at the farm sustained minor damage. Monetary damage estimates were not available.

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### DEWEY COUNTY --- VICI [36.15, -99.30]

|                    |   |                         |
|--------------------|---|-------------------------|
| 05/24/10 20:10 CST | 0 | Hail (1.00 in)          |
| 05/24/10 20:10 CST | 0 | Source: Law Enforcement |

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### WOODWARD COUNTY --- 3.0 N QUINLAN [36.49, -99.05]

|                    |   |                |
|--------------------|---|----------------|
| 05/24/10 21:25 CST | 0 | Hail (0.75 in) |
| 05/24/10 21:25 CST | 0 | Source: Public |

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### ROGER MILLS COUNTY --- 0.6 W CHEYENNE [35.61, -99.68], 5.6 WNW DEMPSEY [35.54, -99.91], 1.0 N SWEETWATER [35.44, -99.91], 2.0 NW BERLIN [35.47, -99.66]

|                    |   |                                 |
|--------------------|---|---------------------------------|
| 05/25/10 04:00 CST | 0 | Flash Flood (due to Heavy Rain) |
| 05/25/10 06:00 CST | 0 | Source: Emergency Manager       |

Two county roads were closed between Cheyenne and Sweetwater due to very heavy rainfall. Widespread rainfall totals mostly ranged from three to four inches, with isolated totals near five inches.

**Thunderstorms developed along the dry line in the Texas panhandle and eventually made their way into western and northwest Oklahoma. Severe wind gusts and large hail were reported at several locations. A brief tornado was reported near Tangier in Woodward county. No damage was reported. Heavy rain over Roger Mills county resulted in the closing of a few county roads.**

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### KAY COUNTY --- 5.5 W TONKAWA [36.68, -97.41]

|                    |   |                           |
|--------------------|---|---------------------------|
| 05/26/10 18:15 CST | 0 | Funnel Cloud              |
| 05/26/10 18:30 CST | 0 | Source: Emergency Manager |

A thunderstorm produced a funnel cloud that reached about halfway to the ground west of Tonkawa. The funnel persisted for about 15 minutes.

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### ALFALFA COUNTY --- 2.0 E BYRON [36.90, -98.25]

|                    |   |                         |
|--------------------|---|-------------------------|
| 05/30/10 16:28 CST | 0 | Hail (1.50 in)          |
| 05/30/10 16:28 CST | 0 | Source: Trained Spotter |

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### GARFIELD COUNTY --- 1.0 WNW HILLSDALE [36.57, -98.01]

|                    |   |                         |
|--------------------|---|-------------------------|
| 05/30/10 17:25 CST | 0 | Hail (1.75 in)          |
| 05/30/10 17:25 CST | 0 | Source: Trained Spotter |

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### GARFIELD COUNTY --- (END)VANCE AFB ENID [36.34, -97.92]

|                    |   |                                   |
|--------------------|---|-----------------------------------|
| 05/30/10 17:55 CST | 0 | Hail (1.50 in)                    |
| 05/30/10 17:55 CST | 0 | Source: Official NWS Observations |

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### GARFIELD COUNTY --- 7.0 S ENID [36.30, -97.88]

|                    |   |                         |
|--------------------|---|-------------------------|
| 05/30/10 17:58 CST | 0 | Hail (1.50 in)          |
| 05/30/10 17:58 CST | 0 | Source: Trained Spotter |

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### GARFIELD COUNTY --- KREMLIN [36.55, -97.83]

|                    |   |                              |
|--------------------|---|------------------------------|
| 05/30/10 17:58 CST | 0 | Thunderstorm Wind (EG 56 kt) |
| 05/30/10 17:58 CST | 0 | Source: Emergency Manager    |

No damage was reported with the wind gust.

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### GARFIELD COUNTY --- ENID [36.40, -97.88]

|                    |   |                           |
|--------------------|---|---------------------------|
| 05/30/10 18:03 CST | 0 | Hail (1.00 in)            |
| 05/30/10 18:03 CST | 0 | Source: Emergency Manager |

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### GARFIELD COUNTY --- 1.0 E (END)VANCE AFB ENID [36.34, -97.90]

## Storm Data and Unusual Weather Phenomena - May 2010

| Location  | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details       |
|---|--------------------|-------------------|---------------------|------------------------------|
|   | 05/30/10 18:08 CST |                   | 0                   | Hail (1.75 in)               |
|   | 05/30/10 18:08 CST |                   | 0                   | Source: Emergency Manager    |
| <hr/>   |                    |                   |                     |                              |
| <b>GARFIELD COUNTY --- ENID [36.40, -97.88]</b>   |                    |                   |                     |                              |
|   | 05/30/10 18:20 CST |                   | 0                   | Hail (2.50 in)               |
|   | 05/30/10 18:20 CST |                   | 0                   | Source: Public               |
| <hr/>   |                    |                   |                     |                              |
| The hail was reported at the northwest side of town.  |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>GARFIELD COUNTY --- ENID [36.40, -97.88]</b>   |                    |                   |                     |                              |
|   | 05/30/10 18:24 CST |                   | 0                   | Hail (1.75 in)               |
|   | 05/30/10 18:24 CST |                   | 0                   | Source: Emergency Manager    |
| <hr/>   |                    |                   |                     |                              |
| <b>KINGFISHER COUNTY --- DOVER [35.98, -97.91]</b>  |                    |                   |                     |                              |
|   | 05/30/10 18:37 CST |                   | 0                   | Hail (1.00 in)               |
|   | 05/30/10 18:37 CST |                   | 0                   | Source: Trained Spotter      |
| <hr/>   |                    |                   |                     |                              |
| <b>PAYNE COUNTY --- CUSHING [35.98, -96.76]</b>   |                    |                   |                     |                              |
|   | 05/30/10 20:38 CST |                   | 0                   | Thunderstorm Wind (MG 56 kt) |
|   | 05/30/10 20:38 CST |                   | 0                   | Source: Emergency Manager    |
| <hr/>   |                    |                   |                     |                              |
| <b>LOGAN COUNTY --- 3.0 SE NAVINA [35.77, -97.52]</b>   |                    |                   |                     |                              |
|   | 05/30/10 21:15 CST |                   | 0                   | Hail (1.75 in)               |
|   | 05/30/10 21:15 CST |                   | 0                   | Source: Emergency Manager    |
| <hr/>   |                    |                   |                     |                              |
| <b>PAYNE COUNTY --- 1.0 N STILLWATER [36.13, -97.06]</b>  |                    |                   |                     |                              |
|   | 05/30/10 22:30 CST |                   | 0                   | Hail (1.00 in)               |
|   | 05/30/10 22:30 CST |                   | 0                   | Source: Public               |
| <hr/>   |                    |                   |                     |                              |
| Severe thunderstorms developed along a cold front during the late afternoon. Hail up to tennis ball size was reported with the thunderstorms. No damage was reported. |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>TEXAS, Western North</b>   |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>HARDEMAN COUNTY --- CHILLICOTHE [34.26, -99.51]</b>  |                    |                   |                     |                              |
|   | 05/12/10 15:04 CST |                   | 0                   | Hail (1.00 in)               |
|   | 05/12/10 15:04 CST |                   | 0                   | Source: Emergency Manager    |
| <hr/>   |                    |                   |                     |                              |
| <b>KNOX COUNTY --- KNOX CITY [33.42, -99.82]</b>  |                    |                   |                     |                              |
|   | 05/13/10 00:15 CST |                   | 0                   | Hail (1.00 in)               |
|   | 05/13/10 00:15 CST |                   | 0                   | Source: Emergency Manager    |
| <hr/>   |                    |                   |                     |                              |
| <b>WICHITA COUNTY --- IOWA PARK [33.95, -98.67]</b>   |                    |                   |                     |                              |
|   | 05/13/10 01:05 CST |                   | 3K                  | Thunderstorm Wind (EG 56 kt) |
|   | 05/13/10 01:05 CST |                   | 0                   | Source: Amateur Radio        |
| <hr/>   |                    |                   |                     |                              |
| Several power poles were blown down. Monetary damages were estimated.   |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>WICHITA COUNTY --- WICHITA FALLS [33.91, -98.49]</b>   |                    |                   |                     |                              |
|   | 05/13/10 01:15 CST |                   | 3K                  | Thunderstorm Wind (EG 56 kt) |
|   | 05/13/10 01:15 CST |                   | 0                   | Source: Storm Chaser         |
| <hr/>   |                    |                   |                     |                              |
| Several large tree limbs were downed by the high winds. Monetary damages were estimated.  |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>WICHITA COUNTY --- 1.0 E BURKBURNETT [34.09, -98.54]</b>   |                    |                   |                     |                              |
|   | 05/13/10 01:20 CST |                   | 0                   | Thunderstorm Wind (MG 59 kt) |
|   | 05/13/10 01:20 CST |                   | 0                   | Source: Trained Spotter      |

## Storm Data and Unusual Weather Phenomena - May 2010

| Location   | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details       |
|--|--------------------|-------------------|---------------------|------------------------------|
| <b>CLAY COUNTY --- HENRIETTA [33.82, -98.19]</b> |                    |                   |                     |                              |
|  | 05/13/10 01:40 CST |                   | 0                   | Thunderstorm Wind (EG 61 kt) |
|  | 05/13/10 01:40 CST |                   | 0                   | Source: Emergency Manager    |

Minor roof and siding damage was reported to several buildings on the west side of town, with several tree limbs downed as well. A metal garage door was also blown in at an auto parts store. Monetary damages were not available.

**A line of thunderstorms developed along a cold front that swept through the region during the early morning hours of the 13th. Storms also developed ahead of a dry line in the eastern Texas panhandle. Very strong winds and marginally severe hail accompanied the line of thunderstorms. The winds produced damage, especially over Wichita and Clay counties.**

|   |                    |  |   |                         |
|---|--------------------|--|---|-------------------------|
| <b>KNOX COUNTY --- MUNDAY [33.45, -99.63]</b> |                    |  |   |                         |
|   | 05/13/10 19:34 CST |  | 0 | Hail (1.00 in)          |
|   | 05/13/10 19:34 CST |  | 0 | Source: Law Enforcement |

The hail was reported on the northwest side of town.

|   |                    |  |   |                           |
|---|--------------------|--|---|---------------------------|
| <b>CLAY COUNTY --- VASHTI [33.56, -98.04]</b> |                    |  |   |                           |
|   | 05/13/10 23:50 CST |  | 0 | Hail (1.75 in)            |
|   | 05/13/10 23:50 CST |  | 0 | Source: Emergency Manager |

**Thunderstorms developed along and north of stalled front, and a few storms briefly reached severe levels and produced some large hail.**