The exceptional drought that had plagued much of Oklahoma for several months continued through the month of September. Although rainfall events were a little more frequent, rainfall totals were still below normal. Parts of north-central Oklahoma received a little more precipitation, which actually reduced the drought category slightly to D3 (severe). Luckily, the intense heat calmed significantly by the end of the month.

**HARPER COUNTY --- 7.0 SE SELMAN [36.73, -99.40]**
- 09/17/11 15:00 CST 0 Hail (0.75 in)
- 09/17/11 15:00 CST 0 Source: Public

**HARPER COUNTY --- 8.0 SE SELMAN [36.72, -99.39]**
- 09/17/11 15:00 CST 0 Hail (0.75 in)
- 09/17/11 15:00 CST 0 Source: Public

**ALFALFA COUNTY --- AMORITA [36.92, -98.29]**
- 09/17/11 15:35 CST 0 Hail (1.00 in)
- 09/17/11 15:35 CST 0 Source: Public

**WOODWARD COUNTY --- 15.0 N MOORELAND ARPT [36.70, -99.19]**
- 09/17/11 15:40 CST 0 Hail (1.75 in)
- 09/17/11 15:40 CST 0 Source: Park/Forest Service

Quarter- to Golf Ball-size hail was reported at Alabaster Caverns State Park.

**WOODWARD COUNTY --- 4.0 SE WOODWARD [36.39, -99.34]**
- 09/17/11 15:50 CST 0 Hail (1.00 in)
- 09/17/11 15:50 CST 0 Source: Public

**BECKHAM COUNTY --- 1.0 S RETROP [35.15, -99.36]**
- 09/17/11 16:02 CST 0 Hail (1.25 in)
- 09/17/11 16:02 CST 0 Source: Amateur Radio

Numerous storm chasers reported a tornado south of Wakita that persisted for a few minutes as it moved southeast. No damage was reported.

**GRANT COUNTY --- 4.2 S WAKITA [36.82, -97.93], 5.0 S WAKITA [36.81, -97.91]**
- 09/17/11 16:46 CST 0 Tornado (EF0, L: 1.52 mi , W: 75 yd)
- 09/17/11 16:49 CST 0 Source: Storm Chaser

A second tornado was observed by numerous storm chasers to the northeast of the larger tornado that was occurring south of Wakita. This tornado was a narrow rope tornado that became very elongated and tilted from the cloud base. No damage was reported with this tornado.

**GRANT COUNTY --- 6.8 S WAKITA [36.78, -97.90]**

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The document is an extract from the Storm Data and Unusual Weather Phenomena - September 2011 report. It contains information on drought conditions in Oklahoma and reports of hail and tornadoes that occurred in various counties. The data includes dates, times, locations, and details of the events.
<table>
<thead>
<tr>
<th>Location</th>
<th>Date/Time</th>
<th>Deaths &amp; Injuries</th>
<th>Property &amp; Crop Dmg</th>
<th>Event Type and Details</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>09/17/11 16:55 CST</td>
<td>0</td>
<td></td>
<td>Tornado (EF0, L: 0.50 mi, W: 30 yd)</td>
</tr>
<tr>
<td></td>
<td>09/17/11 16:55 CST</td>
<td>0</td>
<td></td>
<td>Source: Broadcast Media</td>
</tr>
</tbody>
</table>

A third brief tornado was observed by a media storm chaser. Again, no damage was reported with this tornado.

<table>
<thead>
<tr>
<th>TILLMAN COUNTY --- 3.0 W GRANDFIELD [34.23, -98.74]</th>
<th>09/17/11 17:05 CST</th>
<th>0</th>
<th>Thunderstorm Wind (MG 50 kt)</th>
<th>Source: Mesonet</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALFALFA COUNTY --- 3.5 N CARMEN [36.63, -98.46]</td>
<td>09/17/11 17:10 CST</td>
<td>8K</td>
<td>Thunderstorm Wind (EG 56 kt)</td>
<td>Source: Emergency Manager</td>
</tr>
</tbody>
</table>

Six power poles were snapped. Monetary damages were estimated.

<table>
<thead>
<tr>
<th>COMANCHE COUNTY --- MEDICINE PARK [34.73, -98.50]</th>
<th>09/17/11 17:14 CST</th>
<th>0</th>
<th>Hail (0.88 in)</th>
<th>Source: Amateur Radio</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>TILLMAN COUNTY --- 3.0 W GRANDFIELD [34.23, -98.74]</th>
<th>09/17/11 17:15 CST</th>
<th>0</th>
<th>Thunderstorm Wind (MG 57 kt)</th>
<th>Source: Mesonet</th>
</tr>
</thead>
<tbody>
<tr>
<td>TILLMAN COUNTY --- GRANDFIELD [34.23, -98.69]</td>
<td>09/17/11 17:15 CST</td>
<td>0</td>
<td>Hail (2.00 in)</td>
<td>Source: Public</td>
</tr>
</tbody>
</table>

In addition to the severe winds, hail up to two inches in diameter was reported.

<table>
<thead>
<tr>
<th>TILLMAN COUNTY --- GRANDFIELD [34.23, -98.69]</th>
<th>09/17/11 17:15 CST</th>
<th>0</th>
<th>Thunderstorm Wind (EG 56 kt)</th>
<th>Source: Public</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>KAY COUNTY --- 4.0 SSE BLACKWELL [36.75, -97.25]</th>
<th>09/17/11 18:10 CST</th>
<th>0</th>
<th>Thunderstorm Wind (MG 54 kt)</th>
<th>Source: Mesonet</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>KAY COUNTY --- 1.0 S (PNC)PONCA CITY ARPT [36.72, -97.10]</th>
<th>09/17/11 18:15 CST</th>
<th>0</th>
<th>Thunderstorm Wind (MG 59 kt)</th>
<th>Source: ASOS</th>
</tr>
</thead>
</table>

| KAY COUNTY --- 3.0 SE KILDARE [36.78, -97.01] | 09/17/11 18:20 CST | 0 | Thunderstorm Wind (EG 61 kt) | Source: Emergency Manager |

Several trees and a barn were damaged. Monetary damage estimates were not available.

<table>
<thead>
<tr>
<th>MAJOR COUNTY --- FAIRVIEW [36.27, -98.48]</th>
<th>09/17/11 18:25 CST</th>
<th>0</th>
<th>Hail (2.00 in)</th>
<th>Source: Law Enforcement</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>NOBLE COUNTY --- 4.0 SE BILLINGS [36.49, -97.39]</th>
<th>09/17/11 18:39 CST</th>
<th>0</th>
<th>Thunderstorm Wind (MG 55 kt)</th>
<th>Source: Public</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>GARFIELD COUNTY --- DRUMMOND [36.30, -98.04]</th>
<th>09/17/11 19:39 CST</th>
<th>0</th>
<th>Hail (1.25 in)</th>
<th>Source: Trained Spotter</th>
</tr>
</thead>
</table>

Printed on: 01/03/2012
### Storm Data and Unusual Weather Phenomena - September 2011

<table>
<thead>
<tr>
<th>Location</th>
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<th>Property &amp; Crop Dmg</th>
<th>Event Type and Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GARFIELD COUNTY --- 4.0 SSE ENID [36.35, -97.85]</strong></td>
<td>09/17/11 20:13 CST</td>
<td>0</td>
<td>Hail (1.75 in)</td>
<td>The hail report was relayed by personnel at Vance Air Force Base.</td>
</tr>
<tr>
<td></td>
<td>09/17/11 20:13 CST</td>
<td>0</td>
<td>Source: Trained Spotter</td>
<td></td>
</tr>
<tr>
<td><strong>MARSHALL COUNTY --- 7.0 SSW KINGSTON [33.91, -96.77]</strong></td>
<td>09/18/11 16:20 CST</td>
<td>0</td>
<td>Hail (1.00 in)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>09/18/11 16:20 CST</td>
<td>0</td>
<td>Source: Fire Department/Rescue</td>
<td></td>
</tr>
<tr>
<td><strong>BRYAN COUNTY --- 3.5 N SILO [34.09, -96.48]</strong></td>
<td>09/18/11 16:35 CST</td>
<td>0</td>
<td>Hail (1.00 in)</td>
<td>The hail was reported near Brown.</td>
</tr>
<tr>
<td></td>
<td>09/18/11 16:35 CST</td>
<td>0</td>
<td>Source: Public</td>
<td></td>
</tr>
<tr>
<td><strong>TEXAS, Western North</strong></td>
<td></td>
<td></td>
<td></td>
<td>A few severe thunderstorms with large hail developed along a slow-moving cold front across southeast Oklahoma.</td>
</tr>
<tr>
<td><strong>(TX-Z083) HARDEMAN, (TX-Z084) FOARD, (TX-Z085) WILBARGER, (TX-Z086) WICHITA, (TX-Z087) KNOX, (TX-Z088) BAYLOR, (TX-Z089) ARCHER, (TX-Z090) CLAY</strong></td>
<td>09/01/11 00:00 CST</td>
<td>0</td>
<td>Drought</td>
<td>The exceptional drought that had plagued north Texas for several months continued through the month of September. Although rainfall events were a little more frequent, rainfall totals were still below normal. Several areas were still running as their driest period since October 1, 2010, with most locations having a deficit of 15 to 20 inches. Luckily, the intense heat calmed significantly by the end of the month.</td>
</tr>
<tr>
<td></td>
<td>09/30/11 23:59 CST</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WICHITA COUNTY --- BURKBURNETT [34.09, -98.56]</strong></td>
<td>09/17/11 17:55 CST</td>
<td>4K</td>
<td>Thunderstorm Wind (EG 61 kt)</td>
<td>Numerous large tree limbs and power poles were blown down. Monetary damages were estimated.</td>
</tr>
<tr>
<td></td>
<td>09/17/11 17:55 CST</td>
<td>0</td>
<td>Source: COOP Observer</td>
<td></td>
</tr>
<tr>
<td><strong>WICHITA COUNTY --- (SPS)SHEPPARD AFB [33.99, -98.49]</strong></td>
<td>09/17/11 18:10 CST</td>
<td>0</td>
<td>Thunderstorm Wind (MG 56 kt)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>09/17/11 18:10 CST</td>
<td>0</td>
<td>Source: ASOS</td>
<td></td>
</tr>
<tr>
<td><strong>CLAY COUNTY --- CHARLIE [34.10, -98.32]</strong></td>
<td>09/17/11 18:35 CST</td>
<td>0</td>
<td>Hail (1.00 in)</td>
<td>Scattered thunderstorms developed near the Red River. Severe storms were mostly confined to southern Oklahoma, but one severe storm straddled the Red River and moved into Wichita county. Wind gusts were estimated at 70 mph near Burk Burnett, with a measured gust of 64 mph at Sheppard Air Force Base. Some damage was reported with the gust near Burk Burnett.</td>
</tr>
<tr>
<td></td>
<td>09/17/11 18:35 CST</td>
<td>0</td>
<td>Source: COOP Observer</td>
<td></td>
</tr>
</tbody>
</table>