

## Storm Data and Unusual Weather Phenomena - May 2017

| Location   | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details       |
|--|--------------------|----------------------|------------------------|------------------------------|
| <b>OKLAHOMA, Panhandle</b>   |                    |                      |                        |                              |
| <b>(OK-Z001) CIMARRON, (OK-Z002) TEXAS, (OK-Z003) BEAVER</b>   |                    |                      |                        |                              |
|  | 05/01/17 00:00 CST | 0                    |                        | Frost/Freeze                 |
|  | 05/01/17 09:00 CST | 0                    |                        |                              |
| <p>With parts of the northern and western combined TX and OK Panhandles receiving several inches of snow concluding earlier that day on the 30th, antecedent conditions were present, even though some snow melt did occur earlier in the day. Combined that with northwesterly flow continuing to advect cold air into the region with winds exceeding 50 kts the evening on the 30th with light and variable winds with mostly clear skies by overnight 30th into the 1st, temperatures were able to drop meeting freeze warning criteria up in the northwestern combined Panhandles.</p>  |                    |                      |                        |                              |
| <b>BEAVER COUNTY --- 5.2 ESE GRAY [36.51, -100.74]</b>   |                    |                      |                        |                              |
|  | 05/02/17 21:07 CST | 0                    |                        | Hail (2.00 in)               |
|  | 05/02/17 21:07 CST | 0                    |                        | Source: Trained Spotter      |
| <p>An upper level trough moving southeast out of Colorado into the combined Panhandles in-conjunction with a cold front moving through the region created enough surface and mid level lift. CAPE values of 1000-1500 J/Kg, surface based moisture axis pooled across the eastern combined Panhandles along with effective shear of 40-50 kts supported supercells with some illustrating strong mesocyclones. Damaging wind gusts and large hail was reported with these supercells with hail as large as golf balls.</p>   |                    |                      |                        |                              |
| <b>CIMARRON COUNTY --- 3.0 SSE BOISE CITY [36.69, -102.50]</b>   |                    |                      |                        |                              |
|  | 05/09/17 20:10 CST | 0                    |                        | Thunderstorm Wind (MG 59 kt) |
|  | 05/09/17 20:10 CST | 0                    |                        | Source: Mesonet              |
| <b>CIMARRON COUNTY --- KEYES [36.82, -102.25]</b>  |                    |                      |                        |                              |
|  | 05/09/17 20:23 CST | 0                    |                        | Thunderstorm Wind (MG 73 kt) |
|  | 05/09/17 20:23 CST | 0                    |                        | Source: Broadcast Media      |
| <p>As the day progressed through the Panhandles, an upper level trough over eastern New Mexico was moving further towards the western Panhandles and as a result, upper level dynamics with a SW-NE 250 hPa jet streak was setting up over SE New Mexico and the Texas south Plains as we went into the over night hours into the 10th. This set up good upper level dynamics in-conjunction with a good low level veering SE-SW veering profile advecting moisture into the region. With CAPE between 1000-2000 J/kg and LCL heights around 500m across the central and eastern Panhandles, the dynamics were there for supercells and the possibility of tornadoes. From the evening of the 9th through the very early morning hours of the 10th, several large hail and wind reports were confined mainly to the TX but also a few in the OK Panhandle. Two EF-1 tornadoes also occurred in the TX Panhandle from the same supercell early morning on the 10th.</p> |                    |                      |                        |                              |
| <b>TEXAS COUNTY --- 10.8 WNW GOODWELL [36.66, -101.81]</b>   |                    |                      |                        |                              |
|  | 05/15/17 16:54 CST | 0                    |                        | Hail (1.50 in)               |
|  | 05/15/17 16:54 CST | 0                    |                        | Source: Public               |
| <b>TEXAS COUNTY --- 8.7 NW (GUY)GUYMON MUNI ARP [36.75, -101.63]</b>   |                    |                      |                        |                              |
|  | 05/15/17 17:49 CST | 0                    |                        | Hail (1.00 in)               |
|  | 05/15/17 17:49 CST | 0                    |                        | Source: Trained Spotter      |
| <b>TEXAS COUNTY --- 10.8 WNW GOODWELL [36.66, -101.81]</b>   |                    |                      |                        |                              |
|  | 05/15/17 18:01 CST | 0                    |                        | Hail (1.25 in)               |
|  | 05/15/17 18:01 CST | 0                    |                        | Source: Public               |
| <b>TEXAS COUNTY --- 6.5 NE HOUGH [36.94, -101.49]</b>  |                    |                      |                        |                              |
|  | 05/15/17 18:33 CST | 0                    |                        | Thunderstorm Wind (EG 52 kt) |
|  | 05/15/17 18:33 CST | 0                    |                        | Source: Trained Spotter      |
| Estimated 60 MPH gust.   |                    |                      |                        |                              |
| <b>TEXAS COUNTY --- 6.2 N TEXHOMA [36.59, -101.78]</b>   |                    |                      |                        |                              |
|  | 05/15/17 19:08 CST | 0                    |                        | Hail (1.00 in)               |
|  | 05/15/17 19:08 CST | 0                    |                        | Source: Trained Spotter      |

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| Location  | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details               |
|---|--------------------|-------------------|---------------------|--------------------------------------|
| <b>TEXAS COUNTY --- 0.7 S GOODWELL [36.59, -101.63]</b>   |                    |                   |                     |                                      |
|   | 05/15/17 19:51 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt)         |
|   | 05/15/17 19:51 CST |                   | 0                   | Source: Trained Spotter              |
| Thunderstorm wind gust due to micro burst.  |                    |                   |                     |                                      |
| <b>TEXAS COUNTY --- 2.3 ENE HOOKER [36.88, -101.18]</b>   |                    |                   |                     |                                      |
|   | 05/15/17 20:52 CST |                   | 0                   | Hail (1.75 in)                       |
|   | 05/15/17 20:52 CST |                   | 0                   | Source: Storm Chaser                 |
| <b>TEXAS COUNTY --- 3.6 ENE HOOKER [36.89, -101.16]</b>   |                    |                   |                     |                                      |
|   | 05/15/17 20:58 CST |                   | 0                   | Hail (1.75 in)                       |
|   | 05/15/17 20:58 CST |                   | 0                   | Source: Storm Chaser                 |
| <b>TEXAS COUNTY --- 3.9 SW TYRONE [36.91, -101.12]</b>  |                    |                   |                     |                                      |
|   | 05/15/17 21:02 CST |                   | 0                   | Hail (1.75 in)                       |
|   | 05/15/17 21:02 CST |                   | 0                   | Source: Trained Spotter              |
| <p>A dryline set up across the western combined Panhandles provided a relatively sharp moisture axis with warm, unstable airmass across the central and eastern Panhandles with good low level moisture. With SBCAPE of 2000-3000 J/Kg, 30-40 kts of effective shear and high LCL's, supercell potential with damaging winds and large hail would be the main threat with a low tornado threat given the high LCL's and weak low level helicity values. Storms developed across the TX Panhandle and with southerly flow moved north and east throughout the afternoon into the evening hours before waning after the loss of diurnal heating. Large hail up to the size of baseballs were reported along with damaging wind reports.</p> |                    |                   |                     |                                      |
| <b>BEAVER COUNTY --- 1.1 W BRYANS CORNER [36.62, -100.84]</b>   |                    |                   |                     |                                      |
|   | 05/16/17 13:30 CST |                   | 0                   | Hail (2.50 in)                       |
|   | 05/16/17 13:30 CST |                   | 0                   | Source: Trained Spotter              |
| Ping pong to Tennis ball size hail.   |                    |                   |                     |                                      |
| <b>BEAVER COUNTY --- BRYANS CORNER [36.62, -100.82]</b>   |                    |                   |                     |                                      |
|   | 05/16/17 13:30 CST |                   | 0                   | Hail (1.75 in)                       |
|   | 05/16/17 13:30 CST |                   | 0                   | Source: Trained Spotter              |
| Late report. Estimated at least golf ball size hail based on damage to trees, dents in cars, and house damage.  |                    |                   |                     |                                      |
| <b>BEAVER COUNTY --- 3.8 NNW BALKO [36.68, -100.71], 3.9 NNW BALKO [36.68, -100.71]</b>   |                    |                   |                     |                                      |
|   | 05/16/17 13:45 CST |                   | 0                   | Tornado (EF0, L: 0.09 mi , W: 25 yd) |
|   | 05/16/17 13:46 CST |                   | 0                   | Source: Storm Chaser                 |
| Report of tornado on the ground 1 mile south and 2 miles west of Balko. Brief touchdown. Less than a minute.  |                    |                   |                     |                                      |
| <b>BEAVER COUNTY --- BRYANS CORNER [36.62, -100.82]</b>   |                    |                   |                     |                                      |
|   | 05/16/17 14:00 CST |                   | 0                   | Hail (1.25 in)                       |
|   | 05/16/17 14:00 CST |                   | 0                   | Source: Public                       |
| <b>BEAVER COUNTY --- 4.5 W BEAVER [36.81, -100.60]</b>  |                    |                   |                     |                                      |
|   | 05/16/17 14:02 CST |                   | 0                   | Hail (2.00 in)                       |
|   | 05/16/17 14:02 CST |                   | 0                   | Source: Broadcast Media              |
| Hen egg size hail reported.   |                    |                   |                     |                                      |
| <b>BEAVER COUNTY --- 0.9 NW FORGAN [36.91, -100.54]</b>   |                    |                   |                     |                                      |
|   | 05/16/17 14:13 CST |                   | 0                   | Hail (2.75 in)                       |
|   | 05/16/17 14:13 CST |                   | 0                   | Source: Emergency Manager            |
| <b>BEAVER COUNTY --- 0.9 NE FORGAN [36.91, -100.52]</b>   |                    |                   |                     |                                      |
|   | 05/16/17 14:15 CST |                   | 0                   | Hail (1.50 in)                       |
|   | 05/16/17 14:15 CST |                   | 0                   | Source: Emergency Manager            |

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|--|--------------------|----------------------|------------------------|--------------------------------|
| <b>BEAVER COUNTY --- 0.9 NW FORGAN [36.91, -100.54]</b>  |                    |                      |                        |                                |
|  | 05/16/17 14:20 CST | 0                    |                        | Hail (3.50 in)                 |
|  | 05/16/17 14:20 CST | 0                    |                        | Source: Trained Spotter        |
| Late report. Found one very large hail stone measured at 3.5 inches.   |                    |                      |                        |                                |
| <b>TEXAS COUNTY --- 11.2 SE ADAMS [36.62, -100.96]</b>   |                    |                      |                        |                                |
|  | 05/16/17 14:32 CST | 0                    |                        | Hail (1.00 in)                 |
|  | 05/16/17 14:32 CST | 0                    |                        | Source: Emergency Manager      |
| <b>BEAVER COUNTY --- 1.5 NNW BRYANS CORNER [36.64, -100.83]</b>  |                    |                      |                        |                                |
|  | 05/16/17 14:51 CST | 0                    |                        | Hail (2.75 in)                 |
|  | 05/16/17 14:51 CST | 0                    |                        | Source: Storm Chaser           |
| <b>BEAVER COUNTY --- 0.9 NW FORGAN [36.91, -100.54]</b>  |                    |                      |                        |                                |
|  | 05/16/17 15:45 CST | 0                    |                        | Hail (1.50 in)                 |
|  | 05/16/17 15:45 CST | 0                    |                        | Source: Trained Spotter        |
| Late report. Mostly quarter size hail with a few as large as ping pong ball size.  |                    |                      |                        |                                |
| <b>BEAVER COUNTY --- TURPIN [36.87, -100.88]</b>   |                    |                      |                        |                                |
|  | 05/16/17 16:15 CST | 0                    |                        | Hail (1.00 in)                 |
|  | 05/16/17 16:15 CST | 0                    |                        | Source: Trained Spotter        |
| Late report. Radar estimated time of occurrence. 45-50 mph winds.  |                    |                      |                        |                                |
| <p><b>An active day of severe weather across central and eastern TX and OK Panhandles. An upper low analyzed near Las Vegas, NV in the morning opened as it bottoms out over smn NM in the afternoon before lifting and deepening again as it ejected over the Panhandles later that evening. Dryline slowly mixed east early afternoon on the 16th and with the more significant synoptic forcing hanging back and fairly meridional flow aloft. Mid to upper 60s dewpts were present over the eastern half of the Panhandles and with the exception of the very western edge of the deep sfc moisture, these dewpts did not mix out much through the day. Some standards parameters across the eastern Panhandles in particular included 400-600 m<sup>2</sup>/s<sup>2</sup> Helicity with 3000-4000 J/kg of SBCAPE. This environment lead to numerous very large hail reports and several tornadoes, with one or two being long tracked over several miles.</b></p> |                    |                      |                        |                                |
| <b>CIMARRON COUNTY --- 12.7 NNW BOISE CITY [36.91, -102.57]</b>  |                    |                      |                        |                                |
|  | 05/21/17 16:00 CST | 0                    |                        | Hail (1.00 in)                 |
|  | 05/21/17 16:00 CST | 0                    |                        | Source: Trained Spotter        |
| <b>TEXAS COUNTY --- 0.9 SW HOOKER [36.86, -101.23]</b>   |                    |                      |                        |                                |
|  | 05/21/17 18:05 CST | 0                    |                        | Thunderstorm Wind (MG 55 kt)   |
|  | 05/21/17 18:05 CST | 0                    |                        | Source: Mesonet                |
| <p><b>An upper level trough moving east across the Rockies along with a surface trough across eastern New Mexico allowed a good set up for strong south and southeasterly surface flow. As the axis of the surface trough moved east into the far western OK Panhandle, with given SBCAPE of around 1000 J/Kg and effective shear of 30-40 kts. in the small aforementioned domain, this did allow some isolated storms to form where a hail report and a strong wind report was observed.</b></p>   |                    |                      |                        |                                |
| <b>CIMARRON COUNTY --- 1.3 WSW FELT [36.56, -102.80]</b>   |                    |                      |                        |                                |
|  | 05/27/17 18:14 CST | 0                    |                        | Hail (1.25 in)                 |
|  | 05/27/17 18:14 CST | 0                    |                        | Source: Trained Spotter        |
| <b>TEXAS COUNTY --- 13.1 N EVA [36.99, -101.90]</b>  |                    |                      |                        |                                |
|  | 05/27/17 18:48 CST | 0                    |                        | Hail (1.00 in)                 |
|  | 05/27/17 18:48 CST | 0                    |                        | Source: Fire Department/Rescue |
| <b>TEXAS COUNTY --- 8.3 N EVA [36.92, -101.90]</b>   |                    |                      |                        |                                |
|  | 05/27/17 18:55 CST | 0                    |                        | Hail (1.75 in)                 |
|  | 05/27/17 18:55 CST | 0                    |                        | Source: Public                 |

Late report of golf ball size hail reported via Facebook. Time estimated by radar.

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|---|--------------------|----------------------|------------------------|------------------------------|
| <b>TEXAS COUNTY --- 0.9 SE HOOKER [36.86, -101.21]</b>                            |                    |                      |                        |                              |
|   | 05/27/17 19:45 CST | 0                    |                        | Hail (2.75 in)               |
|   | 05/27/17 19:45 CST | 0                    |                        | Source: Emergency Manager    |
| Baseball size hail reported with numerous windows broken and damage to property.  |                    |                      |                        |                              |
| <b>TEXAS COUNTY --- 0.9 SE HOOKER [36.86, -101.21]</b>                            |                    |                      |                        |                              |
|   | 05/27/17 19:45 CST | 0                    |                        | Thunderstorm Wind (EG 61 kt) |
|   | 05/27/17 19:45 CST | 0                    |                        | Source: Emergency Manager    |
| Estimated wind gust of 70 MPH.  |                    |                      |                        |                              |
| <b>TEXAS COUNTY --- 0.9 SW HOOKER [36.86, -101.23]</b>                            |                    |                      |                        |                              |
|   | 05/27/17 19:50 CST | 0                    |                        | Thunderstorm Wind (MG 59 kt) |
|   | 05/27/17 19:50 CST | 0                    |                        | Source: Mesonet              |
| <b>TEXAS COUNTY --- 2.2 W ADAMS [36.75, -101.12]</b>                              |                    |                      |                        |                              |
|   | 05/27/17 19:53 CST | 0                    |                        | Hail (1.50 in)               |
|   | 05/27/17 19:53 CST | 0                    |                        | Source: Public               |
| <b>BEAVER COUNTY --- 4.5 NNW BOYD [36.76, -100.85]</b>                            |                    |                      |                        |                              |
|   | 05/27/17 20:09 CST | 0                    |                        | Hail (2.00 in)               |
|   | 05/27/17 20:09 CST | 0                    |                        | Source: Trained Spotter      |
| <b>TEXAS COUNTY --- 3.0 NE BAKER [36.90, -100.98]</b>                             |                    |                      |                        |                              |
|   | 05/27/17 20:10 CST | 0                    |                        | Thunderstorm Wind (EG 61 kt) |
|   | 05/27/17 20:10 CST | 0                    |                        | Source: Storm Chaser         |
| Estimated winds of 70 MPH.  |                    |                      |                        |                              |
| <b>BEAVER COUNTY --- BRYANS CORNER [36.62, -100.82]</b>                           |                    |                      |                        |                              |
|   | 05/27/17 20:13 CST | 0                    |                        | Hail (2.75 in)               |
|   | 05/27/17 20:13 CST | 0                    |                        | Source: Emergency Manager    |
| Baseball size hail reported with damage to windows and vehicles.                  |                    |                      |                        |                              |
| <b>BEAVER COUNTY --- BRYANS CORNER [36.62, -100.82]</b>                           |                    |                      |                        |                              |
|   | 05/27/17 20:17 CST | 0                    |                        | Thunderstorm Wind (EG 52 kt) |
|   | 05/27/17 20:17 CST | 0                    |                        | Source: Emergency Manager    |
| Powerlines down with power out in the area. Some damage to property due to winds. |                    |                      |                        |                              |
| <b>BEAVER COUNTY --- BALKO [36.63, -100.68]</b>                                   |                    |                      |                        |                              |
|   | 05/27/17 20:22 CST | 0                    |                        | Thunderstorm Wind (EG 52 kt) |
|   | 05/27/17 20:22 CST | 0                    |                        | Source: Emergency Manager    |
| Numerous downed powerlines due to straight line winds.                            |                    |                      |                        |                              |
| <b>BEAVER COUNTY --- 2.9 ESE BALKO [36.62, -100.63]</b>                           |                    |                      |                        |                              |
|   | 05/27/17 20:29 CST | 0                    |                        | Thunderstorm Wind (EG 52 kt) |
|   | 05/27/17 20:29 CST | 0                    |                        | Source: Emergency Manager    |
| Numerous downed powerlines due to straight line winds.                            |                    |                      |                        |                              |
| <b>BEAVER COUNTY --- 2.9 ESE BALKO [36.62, -100.63]</b>                           |                    |                      |                        |                              |
|   | 05/27/17 20:30 CST | 0                    |                        | Thunderstorm Wind (EG 52 kt) |
|   | 05/27/17 20:30 CST | 0                    |                        | Source: Emergency Manager    |
| Late report...18-wheeler truck blown over due to thunderstorm winds.              |                    |                      |                        |                              |

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| Location   | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details       |
|--|--------------------|----------------------|------------------------|------------------------------|
| <b>BEAVER COUNTY --- ELMWOOD [36.62, -100.52]</b>              |                    |                      |                        |                              |
|  | 05/27/17 20:33 CST | 0                    |                        | Hail (1.75 in)               |
|  | 05/27/17 20:33 CST | 0                    |                        | Source: Emergency Manager    |
| <b>BEAVER COUNTY --- ELMWOOD [36.62, -100.52]</b>              |                    |                      |                        |                              |
|  | 05/27/17 20:33 CST | 0                    |                        | Thunderstorm Wind (EG 52 kt) |
|  | 05/27/17 20:33 CST | 0                    |                        | Source: Emergency Manager    |
| Trees and powerlines downed due to thunderstorm wind gust.     |                    |                      |                        |                              |
| <b>BEAVER COUNTY --- 9.8 WSW LOGAN [36.51, -100.38]</b>        |                    |                      |                        |                              |
|  | 05/27/17 20:41 CST | 0                    |                        | Thunderstorm Wind (EG 52 kt) |
|  | 05/27/17 20:41 CST | 0                    |                        | Source: Public               |
| Broken windows in house and cars.                              |                    |                      |                        |                              |
| <b>BEAVER COUNTY --- 7.6 SE ELMWOOD [36.53, -100.44]</b>       |                    |                      |                        |                              |
|  | 05/27/17 20:48 CST | 0                    |                        | Hail (2.75 in)               |
|  | 05/27/17 20:48 CST | 0                    |                        | Source: Trained Spotter      |
| <b>BEAVER COUNTY --- 1.5 SSW BEAVER [36.80, -100.53]</b>       |                    |                      |                        |                              |
|  | 05/27/17 20:55 CST | 0                    |                        | Thunderstorm Wind (MG 53 kt) |
|  | 05/27/17 20:55 CST | 0                    |                        | Source: Mesonet              |
| <b>BEAVER COUNTY --- 3.0 NW LOGAN [36.60, -100.26]</b>         |                    |                      |                        |                              |
|  | 05/27/17 20:55 CST | 0                    |                        | Thunderstorm Wind (MG 59 kt) |
|  | 05/27/17 20:55 CST | 0                    |                        | Source: Mesonet              |
| <b>BEAVER COUNTY --- 1.1 E SLAPOUT [36.62, -100.10]</b>        |                    |                      |                        |                              |
|  | 05/27/17 20:56 CST | 0                    |                        | Thunderstorm Wind (EG 52 kt) |
|  | 05/27/17 20:56 CST | 0                    |                        | Source: Emergency Manager    |
| Late report...18-wheeler blown over due to thunderstorm winds. |                    |                      |                        |                              |
| <b>BEAVER COUNTY --- 1.5 SSW BEAVER [36.80, -100.53]</b>       |                    |                      |                        |                              |
|  | 05/27/17 21:05 CST | 0                    |                        | Thunderstorm Wind (MG 54 kt) |
|  | 05/27/17 21:05 CST | 0                    |                        | Source: Mesonet              |
| <b>BEAVER COUNTY --- 3.0 NW LOGAN [36.60, -100.26]</b>         |                    |                      |                        |                              |
|  | 05/27/17 21:20 CST | 0                    |                        | Thunderstorm Wind (MG 56 kt) |
|  | 05/27/17 21:20 CST | 0                    |                        | Source: Mesonet              |
| <b>TEXAS COUNTY --- 1.7 E GOODWELL [36.60, -101.60]</b>        |                    |                      |                        |                              |
|  | 05/29/17 19:30 CST | 0                    |                        | Thunderstorm Wind (MG 50 kt) |
|  | 05/29/17 19:30 CST | 0                    |                        | Source: Mesonet              |

Shortwave trough over south central CO tracked southeast across the northern Panhandles. Large scale forcing allowed for storms to develop over the mountains to the west and continued to track east. Post frontal stratus deck continued to erode with daytime heating which resulted in steep mid level laps rates for sufficient MLCAPE values 500-1500 J/kg along with effective shear values of 40-50 kts. This provided support for isolated to scattered supercells capable of producing large hail and damaging winds up to 75 mph around sunset. Several reports of up to baseball size hail and numerous damaging wind reports were the result across the northern TX Panhandle and all across the OK Panhandle.

### TEXAS, North Panhandle

(TX-Z001) DALLAM, (TX-Z002) SHERMAN, (TX-Z003) HANSFORD, (TX-Z006) HARTLEY, (TX-Z009) ROBERTS, (TX-Z010) HEMPHILL, (TX-Z012) POTTER, (TX-Z013) CARSON, (TX-Z016) DEAF SMITH, (TX-Z017) RANDALL, (TX-Z018) ARMSTRONG, (TX-Z019) DONLEY

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|----------|--------------------|-------------------|---------------------|------------------------|
|          | 05/01/17 00:00 CST |                   | 0                   | Frost/Freeze           |
|          | 05/01/17 09:00 CST |                   | 0                   |                        |

With parts of the northern and western combined TX and OK Panhandles receiving several inches of snow concluding earlier that day on the 30th, antecedent conditions were present, even though some snow melt did occur earlier in the day. Combined that with northwesterly flow continuing to advect cold air into the region with winds exceeding 50 kts the evening on the 30th with light and variable winds with mostly clear skies by overnight 30th into the 1st, temperatures were able to drop meeting freeze warning criteria up in the northwestern combined Panhandles.

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**HANSFORD COUNTY --- 9.8 NNE SPEARMAN [36.33, -101.13]**

|                    |   |                         |
|--------------------|---|-------------------------|
| 05/02/17 20:38 CST | 0 | Hail (0.88 in)          |
| 05/02/17 20:38 CST | 0 | Source: Law Enforcement |

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**HANSFORD COUNTY --- 9.8 NNE SPEARMAN [36.33, -101.13]**

|                    |   |                         |
|--------------------|---|-------------------------|
| 05/02/17 20:39 CST | 0 | Hail (1.00 in)          |
| 05/02/17 20:39 CST | 0 | Source: Law Enforcement |

Deputy at Palo Duro lake - reported quarter size hail at 939pm.

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**DALLAM COUNTY --- 2.8 S WARE [36.14, -102.70]**

|                    |   |                              |
|--------------------|---|------------------------------|
| 05/02/17 20:49 CST | 0 | Thunderstorm Wind (EG 52 kt) |
| 05/02/17 20:49 CST | 0 | Source: Public               |

Trailer was destroyed NW of Dalhart.

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**OCHILTREE COUNTY --- 8.1 ENE TWICHELL [36.46, -100.58]**

|                    |   |                         |
|--------------------|---|-------------------------|
| 05/02/17 21:13 CST | 0 | Hail (1.00 in)          |
| 05/02/17 21:13 CST | 0 | Source: Trained Spotter |

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**HARTLEY COUNTY --- 0.7 S DALHART [36.06, -102.52]**

|                    |   |                |
|--------------------|---|----------------|
| 05/02/17 21:15 CST | 0 | Hail (1.00 in) |
| 05/02/17 21:15 CST | 0 | Source: Public |

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**OCHILTREE COUNTY --- 3.1 WSW PERRYTON [36.38, -100.85]**

|                    |   |                |
|--------------------|---|----------------|
| 05/02/17 21:21 CST | 0 | Hail (1.25 in) |
| 05/02/17 21:21 CST | 0 | Source: Public |

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**OCHILTREE COUNTY --- 4.3 NE FARNSWORTH [36.32, -100.91]**

|                    |   |                         |
|--------------------|---|-------------------------|
| 05/02/17 21:28 CST | 0 | Hail (1.50 in)          |
| 05/02/17 21:28 CST | 0 | Source: Trained Spotter |

Late report.

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**OCHILTREE COUNTY --- 14.3 SSE PERRYTON MUNI ARPT [36.21, -100.65]**

|                    |   |                         |
|--------------------|---|-------------------------|
| 05/02/17 21:58 CST | 0 | Hail (1.25 in)          |
| 05/02/17 21:58 CST | 0 | Source: Trained Spotter |

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**HANSFORD COUNTY --- 1.7 W SPEARMAN [36.20, -101.23]**

|                    |   |                         |
|--------------------|---|-------------------------|
| 05/02/17 22:42 CST | 0 | Hail (1.75 in)          |
| 05/02/17 22:42 CST | 0 | Source: Law Enforcement |

Law enforcement reported golf ball size hail.

---

**HANSFORD COUNTY --- 0.7 S MORSE [36.06, -101.48]**

|                    |   |                         |
|--------------------|---|-------------------------|
| 05/02/17 22:45 CST | 0 | Hail (1.00 in)          |
| 05/02/17 22:45 CST | 0 | Source: Trained Spotter |

Late report...6 inch diameter tree limbs downed and quarter sized hail fell. Time estimated from radar.

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**HUTCHINSON COUNTY --- 4.8 N PRINGLE [36.02, -101.45]**

## Storm Data and Unusual Weather Phenomena - May 2017

| Location  | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details                |
|---|--------------------|----------------------|------------------------|---------------------------------------|
|   | 05/02/17 22:52 CST |                      | 0                      | Hail (1.00 in)                        |
|   | 05/02/17 22:52 CST |                      | 0                      | Source: Storm Chaser                  |
| <hr/>   |                    |                      |                        |                                       |
| <b>HUTCHINSON COUNTY --- 4.4 SW BORGER [35.63, -101.44]</b>   |                    |                      |                        |                                       |
|   | 05/02/17 23:30 CST |                      | 0                      | Hail (1.00 in)                        |
|   | 05/02/17 23:30 CST |                      | 0                      | Source: Public                        |
| <hr/>   |                    |                      |                        |                                       |
| <b>HUTCHINSON COUNTY --- 1.3 WSW BORGER [35.66, -101.40]</b>  |                    |                      |                        |                                       |
|   | 05/02/17 23:46 CST |                      | 0                      | Hail (1.00 in)                        |
|   | 05/02/17 23:46 CST |                      | 0                      | Source: Law Enforcement               |
| <hr/>   |                    |                      |                        |                                       |
| <b>HUTCHINSON COUNTY --- 0.7 S HUTCHINSON CO ARPT [35.69, -101.40]</b>  |                    |                      |                        |                                       |
|   | 05/02/17 23:49 CST |                      | 0                      | Hail (1.50 in)                        |
|   | 05/02/17 23:49 CST |                      | 0                      | Source: Public                        |
| <hr/>   |                    |                      |                        |                                       |
| <b>HUTCHINSON COUNTY --- 1.4 N HUTCHINSON CO ARPT [35.72, -101.40]</b>  |                    |                      |                        |                                       |
|   | 05/02/17 23:52 CST |                      | 0                      | Hail (0.88 in)                        |
|   | 05/02/17 23:52 CST |                      | 0                      | Source: Storm Chaser                  |
| <hr/>   |                    |                      |                        |                                       |
| <b>CARSON COUNTY --- 2.1 NNE SKELLYTOWN [35.60, -101.17]</b>  |                    |                      |                        |                                       |
|   | 05/03/17 00:05 CST |                      | 0                      | Thunderstorm Wind (EG 52 kt)          |
|   | 05/03/17 00:05 CST |                      | 0                      | Source: Trained Spotter               |
| <hr/>   |                    |                      |                        |                                       |
| One power pole knocked down causing transformer fires on County road Y. Two other power poles leaning.  |                    |                      |                        |                                       |
| <hr/>   |                    |                      |                        |                                       |
| <b>HUTCHINSON COUNTY --- 1.3 WSW BORGER [35.66, -101.40]</b>  |                    |                      |                        |                                       |
|   | 05/03/17 00:48 CST |                      | 0                      | Hail (0.88 in)                        |
|   | 05/03/17 00:48 CST |                      | 0                      | Source: Public                        |
| <hr/>   |                    |                      |                        |                                       |
| An upper level trough moving southeast out of Colorado into the combined Panhandles in-conjunction with a cold front moving through the region created enough surface and mid level lift. CAPE values of 1000-1500 J/Kg, surface based moisture axis pooled across the eastern combined Panhandles along with effective shear of 40-50 kts supported supercells with some illustrating strong mesocyclones. Damaging wind gusts and large hail was reported with these supercells with hail as large as golf balls. |                    |                      |                        |                                       |
| <hr/>   |                    |                      |                        |                                       |
| <b>DEAF SMITH COUNTY --- 3.4 W BOOTLEG [34.83, -102.87]</b>   |                    |                      |                        |                                       |
|   | 05/09/17 19:03 CST |                      | 0                      | Hail (1.00 in)                        |
|   | 05/09/17 19:03 CST |                      | 0                      | Source: Trained Spotter               |
| <hr/>   |                    |                      |                        |                                       |
| <b>DEAF SMITH COUNTY --- 1.5 NNW BOOTLEG [34.85, -102.82]</b>   |                    |                      |                        |                                       |
|   | 05/09/17 19:12 CST |                      | 0                      | Hail (0.88 in)                        |
|   | 05/09/17 19:12 CST |                      | 0                      | Source: NWS Employee                  |
| <hr/>   |                    |                      |                        |                                       |
| <b>ARMSTRONG COUNTY --- 0.9 SE CLAUDE [35.11, -101.36]</b>  |                    |                      |                        |                                       |
|   | 05/10/17 02:11 CST |                      | 0                      | Hail (2.00 in)                        |
|   | 05/10/17 02:11 CST |                      | 0                      | Source: Trained Spotter               |
| <hr/>   |                    |                      |                        |                                       |
| Late report. Time estimated by radar.   |                    |                      |                        |                                       |
| <hr/>   |                    |                      |                        |                                       |
| <b>ARMSTRONG COUNTY --- 5.7 E GOODNIGHT [35.04, -101.10], 8.9 ENE GOODNIGHT [35.07, -101.05]</b>  |                    |                      |                        |                                       |
|   | 05/10/17 02:27 CST |                      | 0                      | Tornado (EF1, L: 2.80 mi , W: 180 yd) |
|   | 05/10/17 02:36 CST |                      | 0                      | Source: NWS Storm Survey              |
| <hr/>   |                    |                      |                        |                                       |
| Tornado started 4 ENE of Goodnight at the intersection of County Road J and County Road 30. It overturned a section of center pivot irrigation before doing more significant tree damage at a ranch 7 ENE of Goodnight. Two downed power poles along with uprooted and snapped trees were the most noticeable damage. Some tree debris was deposited 100-200 yards NE of the original location.   |                    |                      |                        |                                       |
| <hr/>   |                    |                      |                        |                                       |
| <b>DONLEY COUNTY --- 4.8 N ASHTOLA [35.07, -101.07]</b>   |                    |                      |                        |                                       |
|   | 05/10/17 02:36 CST |                      | 0                      | Hail (3.00 in)                        |
|   | 05/10/17 02:36 CST |                      | 0                      | Source: Public                        |

## Storm Data and Unusual Weather Phenomena - May 2017

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

Late report of hail ranging from golf ball to slightly larger than baseballs in size.

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**GRAY COUNTY --- 14.1 W ALANREED [35.22, -100.98]**

|  |                    |  |   |                |
|--|--------------------|--|---|----------------|
|  | 05/10/17 02:49 CST |  | 0 | Hail (1.75 in) |
|  | 05/10/17 02:49 CST |  | 0 | Source: Public |

Late report from Facebook. Time estimated by radar.

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**GRAY COUNTY --- 9.7 W ALANREED [35.20, -100.90], 7.3 W ALANREED [35.22, -100.86]**

|  |                    |  |   |                                      |
|--|--------------------|--|---|--------------------------------------|
|  | 05/10/17 03:01 CST |  | 0 | Tornado (EF1, L: 2.65 mi , W: 50 yd) |
|  | 05/10/17 03:09 CST |  | 0 | Source: NWS Storm Survey             |

Tornado started in open field WSW of Lake McClellan, TX in Gray County. Moving NE, the tornado peaked in intensity as it approached and moved parallel to the lake and through the north side of the Lake McClellan campground. Peak damage included numerous large tree branches and several trees uprooted or snapped. A few recreational vehicles in the campground also sustained some damages. The tornado dissipated ENE of Lake McClellan just north of McClellan Creek.

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**ARMSTRONG COUNTY --- 0.9 SE WASHBURN [35.17, -101.57]**

|  |                    |  |   |                         |
|--|--------------------|--|---|-------------------------|
|  | 05/10/17 03:17 CST |  | 0 | Hail (1.25 in)          |
|  | 05/10/17 03:17 CST |  | 0 | Source: Trained Spotter |

Late report. Half Dollar size hail reported.

As the day progressed through the Panhandles, an upper level trough over eastern New Mexico was moving further towards the western Panhandles and as a result, upper level dynamics with a SW-NE 250 hPa jet streak was setting up over SE New Mexico and the Texas south Plains as we went into the over night hours into the 10th. This set up good upper level dynamics in-conjunction with a good low level veering SE-SW veering profile advecting moisture into the region. With CAPE between 1000-2000 J/kg and LCL heights around 500m across the central and eastern Panhandles, the dynamics were there for supercells and the possibility of tornadoes. From the evening of the 9th through the very early morning hours of the 10th, several large hail and wind reports were confined mainly to the TX but also a few in the OK Panhandle. Two EF-1 tornadoes also occurred in the TX Panhandle from the same supercell early morning on the 10th.



Storm Data and Unusual Weather Phenomena - May 2017

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

## Storm Data and Unusual Weather Phenomena - May 2017

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

*Several large trees along the north side of Lake McClellan snapped in half near their bases indicating very strong winds.*

**POTTER COUNTY --- 3.0 NNE AMARILLO [35.24, -101.80]**

|                    |   |                         |
|--------------------|---|-------------------------|
| 05/10/17 15:21 CST | 0 | Hail (1.75 in)          |
| 05/10/17 15:21 CST | 0 | Source: Trained Spotter |

**POTTER COUNTY --- 3.0 NNE AMARILLO [35.24, -101.80]**

|                    |   |                |
|--------------------|---|----------------|
| 05/10/17 15:25 CST | 0 | Hail (2.50 in) |
| 05/10/17 15:25 CST | 0 | Source: Public |

Picture of hail received.

**SHERMAN COUNTY --- 3.9 E LAUTZ [36.22, -101.96]**

|                    |   |                |
|--------------------|---|----------------|
| 05/10/17 15:57 CST | 0 | Hail (1.75 in) |
| 05/10/17 15:57 CST | 0 | Source: Public |

Golf ball hail southeast of Stratford.

**HUTCHINSON COUNTY --- 0.9 NW FRITCH [35.64, -101.61]**

|                    |   |                         |
|--------------------|---|-------------------------|
| 05/10/17 16:05 CST | 0 | Hail (1.00 in)          |
| 05/10/17 16:05 CST | 0 | Source: Trained Spotter |

**SHERMAN COUNTY --- 5.4 ESE STRATFORD [36.39, -101.98]**

|                    |   |                     |
|--------------------|---|---------------------|
| 05/10/17 16:12 CST | 0 | Hail (1.50 in)      |
| 05/10/17 16:12 CST | 0 | Source: Post Office |

Late Facebook report received. Time estimated by radar.

**DONLEY COUNTY --- 4.1 SSW GILES [34.77, -100.57]**

|                    |   |                |
|--------------------|---|----------------|
| 05/10/17 16:28 CST | 0 | Hail (1.00 in) |
| 05/10/17 16:28 CST | 0 | Source: Public |

**COLLINGSWORTH COUNTY --- 1.5 NNE WELLINGTON [34.87, -100.21]**

|                    |   |                |
|--------------------|---|----------------|
| 05/10/17 17:22 CST | 0 | Hail (0.88 in) |
| 05/10/17 17:22 CST | 0 | Source: Public |

A second shortwave trough following the one from earlier in the morning on the 10th made its way across the region. As the 300 hPa jet streak moved further east across north Texas, this put the favorable jet dynamics for upper level divergence right over the Panhandles. As the cold pocket aloft near the center of the upper level low over central New Mexico moved closer to the region, in-conjunction with 1000-2000 J/Kg SBCAPE and 40-50 kts of effective shear, mesoscale elements were there for supercell with large hail. residual outflow boundaries from early that morning also were some of the focus of convection with large hail up to tennis ball size reported on the north side of Amarillo. Several reports of large hail was reported across the central and eastern TX Panhandle.

**HUTCHINSON COUNTY --- 12.0 W STINNETT [35.82, -101.66]**

|                    |   |                              |
|--------------------|---|------------------------------|
| 05/14/17 16:28 CST | 0 | Thunderstorm Wind (EG 52 kt) |
| 05/14/17 16:28 CST | 0 | Source: Storm Chaser         |

Five power poles snapped on FM 1060 about 9-12 miles south of Capps switch.

**HUTCHINSON COUNTY --- 3.0 W PRINGLE [35.95, -101.50]**

|                    |   |                              |
|--------------------|---|------------------------------|
| 05/14/17 16:50 CST | 0 | Thunderstorm Wind (EG 52 kt) |
| 05/14/17 16:50 CST | 0 | Source: Trained Spotter      |

From trained spotter.

**HUTCHINSON COUNTY --- 1.0 NNW STINNETT [35.83, -101.46]**

## Storm Data and Unusual Weather Phenomena - May 2017

| Location   | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details       |
|--|--------------------|----------------------|------------------------|------------------------------|
|  | 05/14/17 18:48 CST |                      | 0                      | Thunderstorm Wind (MG 66 kt) |
|  | 05/14/17 18:48 CST |                      | 0                      | Source: Mesonet              |
| <b>Convection developed along a dryline that was located across the far western TX Panhandle. SBCAPE of 1000-2000 J/Kg in-conjunction with parallel 700-500 hPa flow with forecast soundings showing inverted-V profiles indicated a line of storms would develop with severe winds being the main hazard. Winds greater than 70 MPH were observed out ahead of the dryline across the central TX Panhandle where convection developed and progressed through before ending around sunset.</b> |                    |                      |                        |                              |
| <hr/>  |                    |                      |                        |                              |
| <b>MOORE COUNTY --- 8.9 SW DUMAS MUNI ARPT [35.75, -102.12]</b>  |                    |                      |                        |                              |
|  | 05/15/17 17:00 CST |                      | 0                      | Hail (1.00 in)               |
|  | 05/15/17 17:00 CST |                      | 0                      | Source: Public               |
| <hr/>  |                    |                      |                        |                              |
| <b>MOORE COUNTY --- 12.4 SSE SUNRAY [35.85, -101.66]</b>   |                    |                      |                        |                              |
|  | 05/15/17 17:04 CST |                      | 0                      | Hail (0.75 in)               |
|  | 05/15/17 17:04 CST |                      | 0                      | Source: Public               |
| Dime size hail also reported.  |                    |                      |                        |                              |
| <hr/>  |                    |                      |                        |                              |
| <b>HUTCHINSON COUNTY --- 0.7 N FRITCH [35.64, -101.60]</b>   |                    |                      |                        |                              |
|  | 05/15/17 17:15 CST |                      | 0                      | Hail (1.00 in)               |
|  | 05/15/17 17:15 CST |                      | 0                      | Source: Law Enforcement      |
| Nickel to quarter size hail falling in Fritch.   |                    |                      |                        |                              |
| <hr/>  |                    |                      |                        |                              |
| <b>MOORE COUNTY --- 1.3 WNW DUMAS MUNI ARPT [35.86, -102.04]</b>   |                    |                      |                        |                              |
|  | 05/15/17 17:20 CST |                      | 0                      | Hail (0.90 in)               |
|  | 05/15/17 17:20 CST |                      | 0                      | Source: Storm Chaser         |
| <hr/>  |                    |                      |                        |                              |
| <b>POTTER COUNTY --- 7.6 ENE VALLE DE ORO [35.50, -101.99]</b>   |                    |                      |                        |                              |
|  | 05/15/17 17:20 CST |                      | 0                      | Hail (1.75 in)               |
|  | 05/15/17 17:20 CST |                      | 0                      | Source: Broadcast Media      |
| <hr/>  |                    |                      |                        |                              |
| <b>HUTCHINSON COUNTY --- 2.1 N FRITCH [35.66, -101.60]</b>   |                    |                      |                        |                              |
|  | 05/15/17 17:22 CST |                      | 0                      | Hail (1.00 in)               |
|  | 05/15/17 17:22 CST |                      | 0                      | Source: Amateur Radio        |
| <hr/>  |                    |                      |                        |                              |
| <b>HUTCHINSON COUNTY --- 5.0 W SANFORD [35.73, -101.57]</b>  |                    |                      |                        |                              |
|  | 05/15/17 17:25 CST |                      | 0                      | Hail (1.00 in)               |
|  | 05/15/17 17:25 CST |                      | 0                      | Source: Public               |
| <hr/>  |                    |                      |                        |                              |
| <b>HUTCHINSON COUNTY --- 4.5 W SANFORD [35.72, -101.56]</b>  |                    |                      |                        |                              |
|  | 05/15/17 17:28 CST |                      | 0                      | Hail (1.00 in)               |
|  | 05/15/17 17:28 CST |                      | 0                      | Source: Trained Spotter      |
| <hr/>  |                    |                      |                        |                              |
| <b>CARSON COUNTY --- PANHANDLE [35.35, -101.38]</b>  |                    |                      |                        |                              |
|  | 05/15/17 17:35 CST |                      | 0                      | Hail (0.88 in)               |
|  | 05/15/17 17:35 CST |                      | 0                      | Source: Broadcast Media      |
| <hr/>  |                    |                      |                        |                              |
| <b>MOORE COUNTY --- 0.9 NE MASTERSON [35.64, -101.96]</b>  |                    |                      |                        |                              |
|  | 05/15/17 17:40 CST |                      | 0                      | Hail (1.25 in)               |
|  | 05/15/17 17:40 CST |                      | 0                      | Source: Storm Chaser         |
| <hr/>  |                    |                      |                        |                              |
| <b>MOORE COUNTY --- 1.5 SSE FOUR WAY [35.66, -101.96]</b>  |                    |                      |                        |                              |
|  | 05/15/17 17:40 CST |                      | 0                      | Hail (0.75 in)               |
|  | 05/15/17 17:40 CST |                      | 0                      | Source: Storm Chaser         |
| <hr/>  |                    |                      |                        |                              |
| <b>CARSON COUNTY --- 0.7 N CONWAY [35.21, -101.38]</b>   |                    |                      |                        |                              |
|  | 05/15/17 17:44 CST |                      | 0                      | Hail (1.00 in)               |
|  | 05/15/17 17:44 CST |                      | 0                      | Source: Storm Chaser         |

## Storm Data and Unusual Weather Phenomena - May 2017

| Location   | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details  |
|--|--------------------|----------------------|------------------------|-------------------------|
| <b>MOORE COUNTY --- 1.3 ENE FOUR WAY [35.69, -101.95]</b>                                  |                    |                      |                        |                         |
|  | 05/15/17 17:45 CST |                      | 0                      | Hail (1.00 in)          |
|  | 05/15/17 17:45 CST |                      | 0                      | Source: Amateur Radio   |
| <b>MOORE COUNTY --- 6.2 E FOUR WAY [35.69, -101.86]</b>                                    |                    |                      |                        |                         |
|  | 05/15/17 17:48 CST |                      | 0                      | Hail (1.25 in)          |
|  | 05/15/17 17:48 CST |                      | 0                      | Source: Storm Chaser    |
| Hail still falling at time of the report. Half Dollar size hail reported east of Four Way. |                    |                      |                        |                         |
| <b>MOORE COUNTY --- 8.1 ESE ETTER [35.98, -101.87]</b>                                     |                    |                      |                        |                         |
|  | 05/15/17 17:49 CST |                      | 0                      | Hail (0.88 in)          |
|  | 05/15/17 17:49 CST |                      | 0                      | Source: Storm Chaser    |
| <b>MOORE COUNTY --- 3.4 ENE FOUR WAY [35.69, -101.91]</b>                                  |                    |                      |                        |                         |
|  | 05/15/17 17:51 CST |                      | 0                      | Hail (1.00 in)          |
|  | 05/15/17 17:51 CST |                      | 0                      | Source: Storm Chaser    |
| <b>MOORE COUNTY --- 5.1 E FOUR WAY [35.69, -101.88]</b>                                    |                    |                      |                        |                         |
|  | 05/15/17 17:52 CST |                      | 0                      | Hail (1.75 in)          |
|  | 05/15/17 17:52 CST |                      | 0                      | Source: Trained Spotter |
| <b>MOORE COUNTY --- 6.2 E FOUR WAY [35.69, -101.86]</b>                                    |                    |                      |                        |                         |
|  | 05/15/17 17:56 CST |                      | 0                      | Hail (1.50 in)          |
|  | 05/15/17 17:56 CST |                      | 0                      | Source: Trained Spotter |
| <b>MOORE COUNTY --- 6.0 WNW LAKE MEREDITH [35.68, -101.77]</b>                             |                    |                      |                        |                         |
|  | 05/15/17 18:08 CST |                      | 0                      | Hail (1.25 in)          |
|  | 05/15/17 18:08 CST |                      | 0                      | Source: Trained Spotter |
| <b>MOORE COUNTY --- 13.2 N LAKE MEREDITH [35.84, -101.64]</b>                              |                    |                      |                        |                         |
|  | 05/15/17 18:18 CST |                      | 0                      | Hail (0.75 in)          |
|  | 05/15/17 18:18 CST |                      | 0                      | Source: Storm Chaser    |
| <b>HUTCHINSON COUNTY --- 4.5 W STINNETT [35.82, -101.53]</b>                               |                    |                      |                        |                         |
|  | 05/15/17 18:24 CST |                      | 0                      | Hail (2.50 in)          |
|  | 05/15/17 18:24 CST |                      | 0                      | Source: Storm Chaser    |
| <b>HUTCHINSON COUNTY --- 7.8 W STINNETT [35.82, -101.59]</b>                               |                    |                      |                        |                         |
|  | 05/15/17 18:31 CST |                      | 0                      | Hail (1.50 in)          |
|  | 05/15/17 18:31 CST |                      | 0                      | Source: Storm Chaser    |
| <b>SHERMAN COUNTY --- 10.0 E STRATFORD [36.42, -101.89]</b>                                |                    |                      |                        |                         |
|  | 05/15/17 18:31 CST |                      | 0                      | Hail (1.00 in)          |
|  | 05/15/17 18:31 CST |                      | 0                      | Source: Public          |
| <b>HUTCHINSON COUNTY --- 0.6 E STINNETT [35.82, -101.44]</b>                               |                    |                      |                        |                         |
|  | 05/15/17 18:37 CST |                      | 0                      | Hail (1.50 in)          |
|  | 05/15/17 18:37 CST |                      | 0                      | Source: Trained Spotter |
| <b>HUTCHINSON COUNTY --- 8.1 WNW STINNETT [35.87, -101.58]</b>                             |                    |                      |                        |                         |
|  | 05/15/17 18:39 CST |                      | 0                      | Hail (2.00 in)          |
|  | 05/15/17 18:39 CST |                      | 0                      | Source: Trained Spotter |
| <b>HUTCHINSON COUNTY --- 2.6 WNW STINNETT [35.84, -101.49]</b>                             |                    |                      |                        |                         |
|  | 05/15/17 18:40 CST |                      | 0                      | Hail (2.75 in)          |
|  | 05/15/17 18:40 CST |                      | 0                      | Source: Trained Spotter |

## Storm Data and Unusual Weather Phenomena - May 2017

| Location  | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details         |
|---|--------------------|----------------------|------------------------|--------------------------------|
| <b>HUTCHINSON COUNTY --- 4.5 W STINNETT [35.82, -101.53]</b>                      |                    |                      |                        |                                |
|   | 05/15/17 18:40 CST | 0                    |                        | Hail (2.50 in)                 |
|   | 05/15/17 18:40 CST | 0                    |                        | Source: Trained Spotter        |
| Tennis ball size hail reported with accumulating hail of at least golf ball size. |                    |                      |                        |                                |
| <b>SHERMAN COUNTY --- 6.2 W TEXHOMA [36.49, -101.81]</b>                          |                    |                      |                        |                                |
|   | 05/15/17 18:45 CST | 0                    |                        | Hail (1.50 in)                 |
|   | 05/15/17 18:45 CST | 0                    |                        | Source: Fire Department/Rescue |
| <b>HUTCHINSON COUNTY --- 3.0 SW PRINGLE [35.92, -101.49]</b>                      |                    |                      |                        |                                |
|   | 05/15/17 18:50 CST | 0                    |                        | Hail (2.50 in)                 |
|   | 05/15/17 18:50 CST | 0                    |                        | Source: Storm Chaser           |
| <b>HANSFORD COUNTY --- 0.9 SE MORSE [36.06, -101.47]</b>                          |                    |                      |                        |                                |
|   | 05/15/17 19:01 CST | 0                    |                        | Hail (1.00 in)                 |
|   | 05/15/17 19:01 CST | 0                    |                        | Source: Storm Chaser           |
| <b>HUTCHINSON COUNTY --- 4.2 N STINNETT [35.88, -101.45]</b>                      |                    |                      |                        |                                |
|   | 05/15/17 19:05 CST | 0                    |                        | Hail (1.75 in)                 |
|   | 05/15/17 19:05 CST | 0                    |                        | Source: Storm Chaser           |
| <b>HUTCHINSON COUNTY --- 5.7 NE PRINGLE [36.01, -101.38]</b>                      |                    |                      |                        |                                |
|   | 05/15/17 19:22 CST | 0                    |                        | Thunderstorm Wind (EG 52 kt)   |
|   | 05/15/17 19:22 CST | 0                    |                        | Source: Trained Spotter        |
| Winds estimated at 60 MPH.  |                    |                      |                        |                                |
| <b>HUTCHINSON COUNTY --- 15.3 ENE PRINGLE [36.02, -101.19]</b>                    |                    |                      |                        |                                |
|   | 05/15/17 19:40 CST | 0                    |                        | Thunderstorm Wind (MG 60 kt)   |
|   | 05/15/17 19:40 CST | 0                    |                        | Source: Storm Chaser           |
| <b>HANSFORD COUNTY --- 6.2 E SPEARMAN [36.19, -101.09]</b>                        |                    |                      |                        |                                |
|   | 05/15/17 20:09 CST | 0                    |                        | Thunderstorm Wind (EG 52 kt)   |
|   | 05/15/17 20:09 CST | 0                    |                        | Source: Storm Chaser           |
| Measured gust of 60 MPH.  |                    |                      |                        |                                |
| <b>HANSFORD COUNTY --- 7.9 NNE SPEARMAN [36.30, -101.13]</b>                      |                    |                      |                        |                                |
|   | 05/15/17 20:10 CST | 0                    |                        | Hail (1.00 in)                 |
|   | 05/15/17 20:10 CST | 0                    |                        | Source: Storm Chaser           |
| <b>OCHILTREE COUNTY --- 3.0 SSW FARNSWORTH [36.24, -100.99]</b>                   |                    |                      |                        |                                |
|   | 05/15/17 20:48 CST | 0                    |                        | Hail (0.88 in)                 |
|   | 05/15/17 20:48 CST | 0                    |                        | Source: NWS Employee           |
| Pea and nickel size hail coating roadway on Route 15.                             |                    |                      |                        |                                |
| <b>OCHILTREE COUNTY --- 1.1 W PERRYTON [36.40, -100.82]</b>                       |                    |                      |                        |                                |
|   | 05/15/17 20:54 CST | 0                    |                        | Hail (1.00 in)                 |
|   | 05/15/17 20:54 CST | 0                    |                        | Source: Storm Chaser           |
| <b>OCHILTREE COUNTY --- 0.7 S PERRYTON [36.39, -100.80]</b>                       |                    |                      |                        |                                |
|   | 05/15/17 20:55 CST | 0                    |                        | Hail (1.00 in)                 |
|   | 05/15/17 20:55 CST | 0                    |                        | Source: Fire Department/Rescue |
| <b>OCHILTREE COUNTY --- 0.7 N PERRYTON [36.41, -100.80]</b>                       |                    |                      |                        |                                |

## Storm Data and Unusual Weather Phenomena - May 2017

| Location  | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details               |
|---|--------------------|----------------------|------------------------|--------------------------------------|
|   | 05/15/17 20:59 CST |                      | 0                      | Hail (0.88 in)                       |
|   | 05/15/17 20:59 CST |                      | 0                      | Source: Storm Chaser                 |
| <b>A dryline set up across the western combined Panhandles provided a relatively sharp moisture axis with warm, unstable airmass across the central and eastern Panhandles with good low level moisture. With SBCAPE of 2000-3000 J/Kg, 30-40 kts of effective shear and high LCL's, supercell potential with damaging winds and large hail would be the main threat with a low tornado threat given the high LCL's and weak low level helicity values. Storms developed across the TX Panhandle and with southerly flow moved north and east throughout the afternoon into the evening hours before waning after the loss of diurnal heating. Large hail up to the size of baseballs were reported along with damaging wind reports.</b> |                    |                      |                        |                                      |
| <hr/>   |                    |                      |                        |                                      |
| <b>CARSON COUNTY --- 0.6 E WHITE DEER [35.43, -101.17]</b>  |                    |                      |                        |                                      |
|   | 05/16/17 13:55 CST |                      | 0                      | Hail (1.00 in)                       |
|   | 05/16/17 13:55 CST |                      | 0                      | Source: Amateur Radio                |
| <hr/>   |                    |                      |                        |                                      |
| <b>HANSFORD COUNTY --- 10.9 NNE SPEARMAN [36.35, -101.14], 11.0 NNE SPEARMAN [36.35, -101.14]</b>   |                    |                      |                        |                                      |
|   | 05/16/17 14:04 CST |                      | 0                      | Tornado (EF0, L: 0.09 mi , W: 25 yd) |
|   | 05/16/17 14:05 CST |                      | 0                      | Source: Law Enforcement              |
| <hr/>   |                    |                      |                        |                                      |
| Brief tornado touchdown for one minute.   |                    |                      |                        |                                      |
| <hr/>   |                    |                      |                        |                                      |
| <b>DONLEY COUNTY --- 4.5 SSE HOWARDWICK [35.01, -100.89]</b>  |                    |                      |                        |                                      |
|   | 05/16/17 15:00 CST |                      | 0                      | Hail (0.75 in)                       |
|   | 05/16/17 15:00 CST |                      | 0                      | Source: Storm Chaser                 |
| <hr/>   |                    |                      |                        |                                      |
| <b>DONLEY COUNTY --- 0.9 NE HOWARDWICK [35.08, -100.91]</b>   |                    |                      |                        |                                      |
|   | 05/16/17 15:13 CST |                      | 0                      | Hail (1.50 in)                       |
|   | 05/16/17 15:13 CST |                      | 0                      | Source: Storm Chaser                 |
| <hr/>   |                    |                      |                        |                                      |
| <b>DONLEY COUNTY --- 10.7 ESE JERICHO [35.12, -100.74]</b>  |                    |                      |                        |                                      |
|   | 05/16/17 15:29 CST |                      | 0                      | Hail (2.00 in)                       |
|   | 05/16/17 15:29 CST |                      | 0                      | Source: Trained Spotter              |
| <hr/>   |                    |                      |                        |                                      |
| <b>GRAY COUNTY --- 3.0 SSW MC LEAN [35.19, -100.62]</b>   |                    |                      |                        |                                      |
|   | 05/16/17 15:29 CST |                      | 0                      | Hail (1.50 in)                       |
|   | 05/16/17 15:29 CST |                      | 0                      | Source: Storm Chaser                 |
| <hr/>   |                    |                      |                        |                                      |
| <b>DONLEY COUNTY --- 11.1 ENE HOWARDWICK [35.11, -100.73]</b>   |                    |                      |                        |                                      |
|   | 05/16/17 15:30 CST |                      | 0                      | Hail (2.00 in)                       |
|   | 05/16/17 15:30 CST |                      | 0                      | Source: Storm Chaser                 |
| <hr/>   |                    |                      |                        |                                      |
| <b>GRAY COUNTY --- 3.0 SSW MC LEAN [35.19, -100.62]</b>   |                    |                      |                        |                                      |
|   | 05/16/17 15:34 CST |                      | 0                      | Hail (2.00 in)                       |
|   | 05/16/17 15:34 CST |                      | 0                      | Source: Storm Chaser                 |
| <hr/>   |                    |                      |                        |                                      |
| <b>GRAY COUNTY --- 3.0 SSW MC LEAN [35.19, -100.62]</b>   |                    |                      |                        |                                      |
|   | 05/16/17 15:36 CST |                      | 0                      | Hail (2.50 in)                       |
|   | 05/16/17 15:36 CST |                      | 0                      | Source: Storm Chaser                 |
| <hr/>   |                    |                      |                        |                                      |
| <b>GRAY COUNTY --- MC LEAN [35.23, -100.60]</b>   |                    |                      |                        |                                      |
|   | 05/16/17 15:36 CST |                      | 0                      | Hail (1.00 in)                       |
|   | 05/16/17 15:36 CST |                      | 0                      | Source: Amateur Radio                |
| <hr/>   |                    |                      |                        |                                      |
| <b>DONLEY COUNTY --- 15.3 E JERICHO [35.16, -100.65], 15.4 E JERICHO [35.18, -100.65]</b>   |                    |                      |                        |                                      |
|   | 05/16/17 15:39 CST |                      | 0                      | Tornado (EF0, L: 1.39 mi , W: 50 yd) |
|   | 05/16/17 15:50 CST |                      | 0                      | Source: NWS Employee                 |

Tornado on the ground observed by NWS Employee.

**GRAY COUNTY --- 2.8 SSW MC LEAN [35.19, -100.61]**

## Storm Data and Unusual Weather Phenomena - May 2017

| Location  | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details                 |
|---|--------------------|-------------------|---------------------|--|
|   | 05/16/17 15:45 CST |                   | 0                   | Hail (3.00 in)                         |
|   | 05/16/17 15:45 CST |                   | 0                   | Source: Storm Chaser                   |
| <hr/>   |                    |                   |                     |  |
| <b>GRAY COUNTY --- 1.7 E MC LEAN [35.23, -100.57]</b>   |                    |                   |                     |  |
|   | 05/16/17 15:50 CST |                   | 0                   | Hail (1.75 in)                         |
|   | 05/16/17 15:50 CST |                   | 0                   | Source: Storm Chaser                   |
| <hr/>   |                    |                   |                     |  |
| <b>WHEELER COUNTY --- 7.9 W LELA [35.23, -100.49], 7.9 W LELA [35.23, -100.49]</b>  |                    |                   |                     |  |
|   | 05/16/17 15:53 CST |                   | 0                   | Tornado (EF0, L: 0.06 mi , W: 25 yd)   |
|   | 05/16/17 15:54 CST |                   | 0                   | Source: Storm Chaser                   |
| <hr/>   |                    |                   |                     |  |
| Tornado observed by storm chaser.   |                    |                   |                     |  |
| <hr/>   |                    |                   |                     |  |
| <b>COLLINGSWORTH COUNTY --- 5.8 ENE QUAIL [34.90, -100.35]</b>  |                    |                   |                     |  |
|   | 05/16/17 16:09 CST |                   | 0                   | Hail (2.75 in)                         |
|   | 05/16/17 16:09 CST |                   | 0                   | Source: Storm Chaser                   |
| <hr/>   |                    |                   |                     |  |
| <b>COLLINGSWORTH COUNTY --- 0.6 E WELLINGTON [34.85, -100.21]</b>   |                    |                   |                     |  |
|   | 05/16/17 16:15 CST |                   | 0                   | Hail (2.75 in)                         |
|   | 05/16/17 16:15 CST |                   | 0                   | Source: Trained Spotter                |
| <hr/>   |                    |                   |                     |  |
| <b>WHEELER COUNTY --- 6.4 NNW LELA [35.31, -100.38], 6.5 NNW LELA [35.31, -100.38]</b>  |                    |                   |                     |  |
|   | 05/16/17 16:16 CST |                   | 0                   | Tornado (EF1, L: 0.09 mi , W: 25 yd)   |
|   | 05/16/17 16:17 CST |                   | 0                   | Source: NWS Storm Survey               |
| <hr/>   |                    |                   |                     |  |
| Brief tornado touched down and caused tree damage and damage to a powerline off of County Road 9 in rural Wheeler County.   |                    |                   |                     |  |
| <hr/>   |                    |                   |                     |  |
| <b>COLLINGSWORTH COUNTY --- LUTIE [35.02, -100.23]</b>  |                    |                   |                     |  |
|   | 05/16/17 16:24 CST |                   | 0                   | Hail (2.00 in)                         |
|   | 05/16/17 16:24 CST |                   | 0                   | Source: Storm Chaser                   |
| <hr/>   |                    |                   |                     |  |
| <b>WHEELER COUNTY --- 4.8 NW TWITTY [35.37, -100.29], 5.0 NW KELTON [35.46, -100.17]</b>  |                    |                   |                     |  |
|   | 05/16/17 16:25 CST |                   | 0                   | Tornado (EF2, L: 9.18 mi , W: 1250 yd) |
|   | 05/16/17 16:44 CST |                   | 0                   | Source: NWS Storm Survey               |
| <hr/>   |                    |                   |                     |  |
| Multiple reports of a tornado from NWS Employee and storm chasers. This tornado touched down around 525 pm CDT 5 miles south southwest of wheeler. The tornado moved northeast and was on the ground for approximately 9.1 miles and around 19 minutes. |                    |                   |                     |  |
| <hr/>   |                    |                   |                     |  |
| <b>COLLINGSWORTH COUNTY --- 6.0 ENE QUAIL [34.91, -100.35]</b>  |                    |                   |                     |  |
|   | 05/16/17 16:26 CST |                   | 0                   | Hail (2.50 in)                         |
|   | 05/16/17 16:26 CST |                   | 0                   | Source: Storm Chaser                   |
| <hr/>   |                    |                   |                     |  |
| <b>COLLINGSWORTH COUNTY --- 0.9 SE LUTIE [35.01, -100.22]</b>   |                    |                   |                     |  |
|   | 05/16/17 16:30 CST |                   | 0                   | Hail (1.25 in)                         |
|   | 05/16/17 16:30 CST |                   | 0                   | Source: Storm Chaser                   |
| <hr/>   |                    |                   |                     |  |
| <b>WHEELER COUNTY --- 6.2 SSE MOBEETIE [35.44, -100.38]</b>   |                    |                   |                     |  |
|   | 05/16/17 16:34 CST |                   | 0                   | Hail (1.75 in)                         |
|   | 05/16/17 16:34 CST |                   | 0                   | Source: Amateur Radio                  |
| <hr/>   |                    |                   |                     |  |
| <b>WHEELER COUNTY --- 0.9 SW WHEELER [35.44, -100.28]</b>   |                    |                   |                     |  |
|   | 05/16/17 16:38 CST |                   | 0                   | Hail (1.75 in)                         |
|   | 05/16/17 16:38 CST |                   | 0                   | Source: Amateur Radio                  |
| <hr/>   |                    |                   |                     |  |
| <b>WHEELER COUNTY --- 3.2 SSE WHEELER [35.41, -100.24]</b>  |                    |                   |                     |  |
|   | 05/16/17 16:40 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt)           |
|   | 05/16/17 16:40 CST |                   | 0                   | Source: Storm Chaser                   |

Multiple power poles snapped, power lines down, and trees down on highway 83.

## Storm Data and Unusual Weather Phenomena - May 2017

| Location   | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details               |
|--|--------------------|----------------------|------------------------|--------------------------------------|
| <b>COLLINGSWORTH COUNTY --- 7.9 E LUTIE [35.02, -100.09]</b>                                 |                    |                      |                        |                                      |
|  | 05/16/17 16:44 CST |                      | 0                      | Hail (2.75 in)                       |
|  | 05/16/17 16:44 CST |                      | 0                      | Source: Storm Chaser                 |
| <b>COLLINGSWORTH COUNTY --- 10.2 E LUTIE [35.02, -100.05], 10.5 E LUTIE [35.02, -100.05]</b> |                    |                      |                        |                                      |
|  | 05/16/17 16:45 CST |                      | 0                      | Tornado (EF0, L: 0.29 mi , W: 25 yd) |
|  | 05/16/17 16:46 CST |                      | 0                      | Source: Storm Chaser                 |
| Tornado reported on the ground by storm chasers in the area.                                 |                    |                      |                        |                                      |
| <b>COLLINGSWORTH COUNTY --- 10.2 E LUTIE [35.02, -100.05], 12.4 E LUTIE [35.02, -100.01]</b> |                    |                      |                        |                                      |
|  | 05/16/17 16:50 CST |                      | 0                      | Tornado (EF0, L: 2.26 mi , W: 25 yd) |
|  | 05/16/17 16:51 CST |                      | 0                      | Source: Storm Chaser                 |
| Tornado reported on the ground by storm chasers in the area.                                 |                    |                      |                        |                                      |
| <b>WHEELER COUNTY --- 4.0 NW KELTON [35.44, -100.17]</b>                                     |                    |                      |                        |                                      |
|  | 05/16/17 16:50 CST |                      | 0                      | Thunderstorm Wind (EG 52 kt)         |
|  | 05/16/17 16:50 CST |                      | 0                      | Source: Amateur Radio                |
| Four telephone poles broken off at ground. Three to four trees also damaged.                 |                    |                      |                        |                                      |
| <b>WHEELER COUNTY --- 4.0 ESE ALLISON [35.57, -100.04]</b>                                   |                    |                      |                        |                                      |
|  | 05/16/17 17:09 CST |                      | 0                      | Hail (2.50 in)                       |
|  | 05/16/17 17:09 CST |                      | 0                      | Source: Storm Chaser                 |
| <b>COLLINGSWORTH COUNTY --- 4.3 NNW WELLINGTON [34.91, -100.24]</b>                          |                    |                      |                        |                                      |
|  | 05/16/17 20:16 CST |                      | 0                      | Hail (1.00 in)                       |
|  | 05/16/17 20:16 CST |                      | 0                      | Source: Trained Spotter              |

Late report. Mostly dime to a few quarter size hail.

An active day of severe weather across central and eastern TX and OK Panhandles. An upper low analyzed near Las Vegas, NV in the morning opened as it bottoms out over sm NM in the afternoon before lifting and deepening again as it ejected over the Panhandles later that evening. Dryline slowly mixed east early afternoon on the 16th and with the more significant synoptic forcing hanging back and fairly meridional flow aloft. Mid to upper 60s dewpts were present over the eastern half of the Panhandles and with the exception of the very western edge of the deep sfc moisture, these dewpts did not mix out much through the day. Some standards parameters across the eastern Panhandles in particular included 400-600 m<sup>2</sup>/s<sup>2</sup> Helicity with 3000-4000 J/kg of SBCAPE. This environment lead to numerous very large hail reports and several tornadoes, with one or two being long tracked over several miles.



## Storm Data and Unusual Weather Phenomena - May 2017

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



*This picture was taken looking southwest at the tornado. NWS employee Luigi Meccariello took photo standing on FM 3143 about 5 miles SSE of McLean, TX. Time of photo was 1541 CST.*

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**HEMPHILL COUNTY --- 0.9 SW CANADIAN [35.89, -100.39]**

|                    |   |   |                      |
|--------------------|---|---|----------------------|
| 05/18/17 13:45 CST | 0 | 0 | Hail (1.00 in)       |
| 05/18/17 13:45 CST | 0 | 0 | Source: Storm Chaser |

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**HEMPHILL COUNTY --- 0.7 N CANADIAN [35.91, -100.38]**

|                    |   |   |                                |
|--------------------|---|---|--------------------------------|
| 05/18/17 13:47 CST | 0 | 0 | Hail (0.88 in)                 |
| 05/18/17 13:47 CST | 0 | 0 | Source: Fire Department/Rescue |

Pea to nickel size hail.

## Storm Data and Unusual Weather Phenomena - May 2017

| Location   | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details         |
|--|--------------------|----------------------|------------------------|--------------------------------|
| <b>HEMPHILL COUNTY --- 0.7 N CANADIAN [35.91, -100.38]</b>   |                    |                      |                        |                                |
|  | 05/18/17 13:50 CST | 0                    |                        | Hail (1.25 in)                 |
|  | 05/18/17 13:50 CST | 0                    |                        | Source: Fire Department/Rescue |
| <b>HEMPHILL COUNTY --- CANADIAN [35.90, -100.38]</b>   |                    |                      |                        |                                |
|  | 05/18/17 13:50 CST | 0                    |                        | Hail (1.25 in)                 |
|  | 05/18/17 13:50 CST | 0                    |                        | Source: Fire Department/Rescue |
| <b>HEMPHILL COUNTY --- 0.6 E CANADIAN [35.90, -100.37]</b>   |                    |                      |                        |                                |
|  | 05/18/17 13:52 CST | 0                    |                        | Hail (1.50 in)                 |
|  | 05/18/17 13:52 CST | 0                    |                        | Source: Storm Chaser           |
| <p>A residual dryline boundary was draped across portions of the eastern Panhandles. To the east of that dryline across the far eastern TX Panhandle, SBCAPE of 2000-3000 J/kg along with effective shear of 40-50 kts produced an environment for supercell development with large hail. The mid level 30-40 kts ahead of the Pacific front off to the west pushed the developing supercells quickly to the east over the OK state line storms that developed in the eastern TX Panhandle which kept activity in the Panhandles short lived. Reports of hail up to 1.5" was reported in the far eastern TX Panhandle.</p> |                    |                      |                        |                                |
| <b>DALLAM COUNTY --- 17.4 WSW KERRICK [36.41, -102.52]</b>   |                    |                      |                        |                                |
|  | 05/27/17 18:41 CST | 0                    |                        | Hail (1.75 in)                 |
|  | 05/27/17 18:41 CST | 0                    |                        | Source: Storm Chaser           |
| <b>SHERMAN COUNTY --- 4.3 SSW MALLETT [36.29, -102.12]</b>   |                    |                      |                        |                                |
|  | 05/27/17 19:18 CST | 0                    |                        | Hail (1.75 in)                 |
|  | 05/27/17 19:18 CST | 0                    |                        | Source: Trained Spotter        |
| <b>SHERMAN COUNTY --- 0.9 NW LAUTZ [36.23, -102.04]</b>  |                    |                      |                        |                                |
|  | 05/27/17 19:25 CST | 0                    |                        | Hail (1.00 in)                 |
|  | 05/27/17 19:25 CST | 0                    |                        | Source: Trained Spotter        |
| <b>SHERMAN COUNTY --- 0.6 W LAUTZ [36.22, -102.04]</b>   |                    |                      |                        |                                |
|  | 05/27/17 19:31 CST | 0                    |                        | Hail (2.00 in)                 |
|  | 05/27/17 19:31 CST | 0                    |                        | Source: Storm Chaser           |
| Hail dented car, cracked windshield.   |                    |                      |                        |                                |
| <b>DALLAM COUNTY --- 0.9 NW CONLEN [36.24, -102.24]</b>  |                    |                      |                        |                                |
|  | 05/27/17 20:10 CST | 0                    |                        | Hail (1.00 in)                 |
|  | 05/27/17 20:10 CST | 0                    |                        | Source: Storm Chaser           |
| <b>HANSFORD COUNTY --- 0.7 S MORSE [36.06, -101.48]</b>  |                    |                      |                        |                                |
|  | 05/27/17 20:13 CST | 0                    |                        | Hail (2.50 in)                 |
|  | 05/27/17 20:13 CST | 0                    |                        | Source: Public                 |
| Tennis ball size hail reported via Twitter.  |                    |                      |                        |                                |
| <b>HANSFORD COUNTY --- 0.9 SE MORSE [36.06, -101.47]</b>   |                    |                      |                        |                                |
|  | 05/27/17 20:13 CST | 0                    |                        | Hail (2.75 in)                 |
|  | 05/27/17 20:13 CST | 0                    |                        | Source: Storm Chaser           |
| <b>SHERMAN COUNTY --- 7.8 SSW LAUTZ [36.11, -102.06]</b>   |                    |                      |                        |                                |
|  | 05/27/17 20:26 CST | 0                    |                        | Hail (0.88 in)                 |
|  | 05/27/17 20:26 CST | 0                    |                        | Source: Public                 |
| <b>HUTCHINSON COUNTY --- 14.8 ENE PRINGLE [36.04, -101.21]</b>   |                    |                      |                        |                                |
|  | 05/27/17 20:33 CST | 0                    |                        | Hail (1.00 in)                 |
|  | 05/27/17 20:33 CST | 0                    |                        | Source: Law Enforcement        |

## Storm Data and Unusual Weather Phenomena - May 2017

| Location  | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|------------------------|
| <hr/>   |                    |                   |                     |                        |
| SHERMAN COUNTY --- 2.1 SSW LAUTZ [36.19, -102.04] | 05/27/17 20:35 CST |                   | 0                   | Hail (1.00 in)         |
|   | 05/27/17 20:35 CST |                   | 0                   | Source: Storm Chaser   |
| <hr/>   |                    |                   |                     |                        |
| (TX-Z004) OCHILTREE                               | 05/27/17 21:35 CST |                   | 0                   | High Wind (MAX 55 kt)  |
|   | 05/27/17 21:35 CST |                   | 0                   |                        |

Shortwave trough over south central CO tracked southeast across the northern Panhandles. Large scale forcing allowed for storms to develop over the mountains to the west and continued to track east. Post frontal stratus deck continued to erode with daytime heating which resulted in steep mid level laps rates for sufficient MLCAPE values 500-1500 J/kg along with effective shear values of 40-50 kts. This provided support for isolated to scattered supercells capable of producing large hail and damaging winds up to 75 mph around sunset. Several reports of up to baseball size hail and numerous damaging wind reports were the result across the northern TX Panhandle and all across the OK Panhandle.