

Storm Data and Unusual Weather Phenomena - May 2010

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|----------------------|------------------------|------------------------------|
| NEW MEXICO, Southeast | | | | |
| LEA COUNTY --- JAL [32.12, -103.18] | | | | |
| | 05/14/10 11:56 MST | 0 | | Hail (1.00 in) |
| | 05/14/10 12:00 MST | 0 | | Source: Law Enforcement |
| LEA COUNTY --- 0.9 SW JAL [32.11, -103.19] | | | | |
| | 05/14/10 12:42 MST | 0 | | Hail (1.00 in) |
| | 05/14/10 12:47 MST | 0 | | Source: Law Enforcement |
| EDDY COUNTY --- LAKEWOOD [32.63, -104.37] | | | | |
| | 05/14/10 16:10 MST | 0 | | Thunderstorm Wind (EG 61 kt) |
| | 05/14/10 16:12 MST | 0 | | Source: COOP Observer |
| A strong wind gust blew off the metal roof of a storage structure. | | | | |
| EDDY COUNTY --- 1.5 W LOCO HILLS [32.82, -104.01] | | | | |
| | 05/14/10 16:29 MST | 0 | | Hail (1.50 in) |
| | 05/14/10 16:34 MST | 0 | | Source: Trained Spotter |
| LEA COUNTY --- MALJAMAR [32.85, -103.75] | | | | |
| | 05/14/10 17:00 MST | 0 | | Hail (1.00 in) |
| | 05/14/10 17:05 MST | 0 | | Source: Public |
| LEA COUNTY --- LOVINGTON [32.93, -103.35] | | | | |
| | 05/14/10 17:32 MST | 0 | | Hail (1.75 in) |
| | 05/14/10 17:34 MST | 0 | | Source: Trained Spotter |
| LEA COUNTY --- 0.9 SW JAL [32.11, -103.19] | | | | |
| | 05/14/10 21:40 MST | 0 | | Hail (1.00 in) |
| | 05/14/10 21:45 MST | 0 | | Source: Law Enforcement |
| EDDY COUNTY --- 3.5 N HOPE [32.85, -104.74], 2.0 S ARTESIA [32.80, -104.40] | | | | |
| | 05/17/10 16:43 MST | 0 | | Hail (1.75 in) |
| | 05/17/10 16:48 MST | 0 | | Source: Trained Spotter |
| An approaching upper level storm system over the Four Corners region combined with abundant moisture across southeast New Mexico, and a warm frontal boundary located just south of the area, resulting in isolated to scattered severe thunderstorms over portions of southeast New Mexico during the early afternoon and evening hours. | | | | |
| EDDY COUNTY --- 1.8 E (CNM)CARLSBAD ARPT [32.33, -104.24] | | | | |
| | 05/17/10 15:29 MST | 0 | | Hail (1.75 in) |
| | 05/17/10 15:40 MST | 0 | | Source: Trained Spotter |
| EDDY COUNTY --- 5.0 SE CARLSBAD [32.37, -104.17] | | | | |
| | 05/17/10 15:40 MST | 0 | | Hail (1.00 in) |
| | 05/17/10 15:45 MST | 0 | | Source: Storm Chaser |
| EDDY COUNTY --- 8.3 NW ARTESIA ARPT [32.95, -104.55] | | | | |
| | 05/17/10 15:47 MST | 0 | | Hail (1.75 in) |
| | 05/17/10 15:54 MST | 0 | | Source: Storm Chaser |
| EDDY COUNTY --- 8.3 NW ARTESIA ARPT [32.95, -104.55] | | | | |
| | 05/17/10 15:54 MST | 0 | | Hail (2.50 in) |
| | 05/17/10 16:00 MST | 0 | | Source: Storm Chaser |
| EDDY COUNTY --- 3.5 N OTIS [32.40, -104.17] | | | | |

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|--|--------------------|----------------------|------------------------|---------------------------------|
| | 05/17/10 15:55 MST | | 0 | Hail (1.75 in) |
| | 05/17/10 16:05 MST | | 0 | Source: Storm Chaser |
| <hr/> | | | | |
| EDDY COUNTY --- 10.0 S ARTESIA [32.69, -104.40] | | | | |
| | 05/17/10 15:59 MST | | 0 | Hail (1.00 in) |
| | 05/17/10 16:04 MST | | 0 | Source: Trained Spotter |
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| EDDY COUNTY --- 3.0 WNW ESPUELA [32.93, -104.43] | | | | |
| | 05/17/10 16:05 MST | | 0 | Hail (1.00 in) |
| | 05/17/10 16:11 MST | | 0 | Source: Amateur Radio |
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| EDDY COUNTY --- 7.4 NNW ARTESIA ARPT [32.94, -104.54] | | | | |
| | 05/17/10 16:11 MST | | 0 | Hail (1.50 in) |
| | 05/17/10 16:16 MST | | 0 | Source: Storm Chaser |
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| EDDY COUNTY --- 1.5 SSW CARLSBAD [32.40, -104.24] | | | | |
| | 05/17/10 16:15 MST | | 0 | Hail (1.00 in) |
| | 05/17/10 16:20 MST | | 0 | Source: Storm Chaser |
| <hr/> | | | | |
| EDDY COUNTY --- 1.0 SW HOPE [32.79, -104.74], 1.7 WSW HOPE [32.79, -104.76], 1.7 W HOPE [32.80, -104.76], 0.6 W HOPE [32.80, -104.74] | | | | |
| | 05/17/10 16:45 MST | | 0 | Flash Flood (due to Heavy Rain) |
| | 05/17/10 18:00 MST | | 4K | Source: Public |
| <p>At 4:45 PM MST, the public reported 12 to 18 inches of flowing water across their driveway and street in front of their home. The flood waters destroyed around 7 acres of alfalfa crop.</p> | | | | |
| <hr/> | | | | |
| EDDY COUNTY --- 2.0 N HOPE [32.83, -104.73] | | | | |
| | 05/17/10 16:45 MST | | 0 | Hail (1.75 in) |
| | 05/17/10 18:00 MST | | 0 | Source: Public |
| <hr/> | | | | |
| EDDY COUNTY --- 1.5 NNW HOPE [32.82, -104.74] | | | | |
| | 05/17/10 17:00 MST | | 0 | Hail (1.75 in) |
| | 05/17/10 17:30 MST | | 0 | Source: Public |
| <hr/> | | | | |
| LEA COUNTY --- 15.9 WSW MONUMENT [32.55, -103.53] | | | | |
| | 05/17/10 17:00 MST | | 0 | Hail (1.00 in) |
| | 05/17/10 17:05 MST | | 0 | Source: Public |
| <hr/> | | | | |
| EDDY COUNTY --- 1.5 NNW HOPE [32.82, -104.74] | | | | |
| | 05/17/10 17:07 MST | | 0 | Hail (1.75 in) |
| | 05/17/10 17:15 MST | | 0 | Source: Storm Chaser |
| <hr/> | | | | |
| EDDY COUNTY --- 1.4 WNW HOPE [32.81, -104.75] | | | | |
| | 05/17/10 17:30 MST | | 0 | Hail (1.75 in) |
| | 05/17/10 17:35 MST | | 0 | Source: Public |
| <hr/> | | | | |
| EDDY COUNTY --- 2.7 S HOPE [32.76, -104.73], 2.9 SSW HOPE [32.76, -104.75], 4.3 SSW HOPE [32.74, -104.75], 4.1 S HOPE [32.74, -104.74] | | | | |
| | 05/17/10 19:30 MST | | 4K | Flash Flood (due to Heavy Rain) |
| | 05/17/10 20:30 MST | | 0 | Source: Fire Department/Rescue |
| <p>A high water rescue was executed along Armstrong Road near Walnut Arroyo. The man was washed downstream 300 yards. The rescue attempt was successful. No injuries were reported with this event, and the damage estimate was based on damage done to the vehicle.</p> | | | | |
| <p>With abundant low level moisture in place just east of the dryline, afternoon heating led to the development of scattered thunderstorms over Eddy County. These storms continued into the evening hours, with some storms reaching severe levels.</p> | | | | |
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| EDDY COUNTY --- 26.0 E CARLSBAD [32.42, -103.78] | | | | |
| | 05/25/10 17:07 MST | | 0 | Hail (1.75 in) |
| | 05/25/10 17:10 MST | | 0 | Source: COOP Observer |

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| LEA COUNTY --- BUCKEYE [32.78, -103.48] | 05/25/10 17:57 MST | 0 | | Hail (1.25 in) |
| | 05/25/10 18:00 MST | 0 | | Source: Storm Chaser |
| LEA COUNTY --- 8.0 N BUCKEYE [32.90, -103.48] | 05/25/10 18:20 MST | 0 | | Hail (2.00 in) |
| | 05/25/10 18:23 MST | 0 | | Source: Storm Chaser |
| LEA COUNTY --- 1.6 ENE GLADIOLA [33.26, -103.15] | 05/25/10 22:37 MST | 0 | | Hail (1.00 in) |
| | 05/25/10 22:40 MST | 0 | | Source: Public |
| LEA COUNTY --- 6.4 E GLADIOLA [33.26, -103.06] | 05/25/10 22:55 MST | 0 | | Hail (1.00 in) |
| | 05/25/10 22:58 MST | 0 | | Source: Public |

During Tuesday evening, isolated to scattered thunderstorms developed along a dryline located across Lea County. Some of these thunderstorms reached severe levels, producing large hail across the county.

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|--|--------------------|---|--|------------------------------|
| EDDY COUNTY --- 4.2 S HOPE [32.74, -104.74] | 05/31/10 13:20 MST | 0 | | Hail (1.00 in) |
| | 05/31/10 13:25 MST | 0 | | Source: Public |
| LEA COUNTY --- 0.9 NE TATUM [33.26, -103.31] | 05/31/10 16:57 MST | 0 | | Thunderstorm Wind (MG 55 kt) |
| | 05/31/10 16:59 MST | 0 | | Source: Trained Spotter |

Damage was not reported with the wind gust.

Daytime heating, a mid level moisture axis and orographic lift combined during the afternoon hours to produce thunderstorms across southeastern New Mexico.

TEXAS, West

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|--|--------------------|---|--|-----------------------|
| (TX-Z074) DAVIS / APACHE MOUNTAINS AREA, (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY | 05/02/10 06:00 MST | 0 | | High Wind (MAX 63 kt) |
| | 05/02/10 13:51 MST | 0 | | |
| (TX-Z074) DAVIS / APACHE MOUNTAINS AREA, (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY | 05/03/10 03:55 CST | 0 | | High Wind (MAX 63 kt) |
| | 05/03/10 05:15 CST | 0 | | |

Strong mid level winds ahead of an upper trough imparted high winds to the Guadalupe and Davis Mountains of west Texas.

| | | | | |
|---|--------------------|---|--|-----------------------|
| (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY | 05/06/10 12:51 MST | 0 | | High Wind (MAX 56 kt) |
| | 05/08/10 08:51 MST | 0 | | |

A tight surface pressure gradient combined with strong mid level winds to produce high winds in the Guadalupe Mountains of west Texas.

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|--|--------------------|---|--|-----------------------|
| (TX-Z074) DAVIS / APACHE MOUNTAINS AREA, (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY | 05/10/10 09:10 CST | 0 | | High Wind (MAX 70 kt) |
| | 05/10/10 16:20 CST | 0 | | |

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|--|--|--|--|--|
| (TX-Z074) DAVIS / APACHE MOUNTAINS AREA, (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY | | | | |
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|--|--------------------|----------------------|------------------------|---------------------------------------|
| | 05/10/10 09:51 MST | | 0 | High Wind (MAX 70 kt) |
| | 05/12/10 17:51 MST | | 0 | |
| A tight surface pressure gradient combined with strong mid level winds to produce high winds in the Guadalupe and Davis Mountains. | | | | |
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| ECTOR COUNTY --- ODESSA [31.85, -102.37] | | | | |
| | 05/12/10 21:15 CST | | 0 | Hail (1.00 in) |
| | 05/12/10 21:30 CST | | 0 | Source: Public |
| <hr/> | | | | |
| DAWSON COUNTY --- 0.7 N PATRICIA [32.56, -102.02] | | | | |
| | 05/12/10 21:25 CST | | 0 | Hail (1.75 in) |
| | 05/12/10 21:30 CST | | 0 | Source: Public |
| <hr/> | | | | |
| MIDLAND COUNTY --- MIDLAND [32.00, -102.08] | | | | |
| | 05/12/10 21:45 CST | | 0 | Hail (1.00 in) |
| | 05/12/10 22:00 CST | | 0 | Source: NWS Employee |
| <hr/> | | | | |
| UPTON COUNTY --- 0.6 E MC CAMEY [31.13, -102.22] | | | | |
| | 05/12/10 22:00 CST | | 0 | Hail (1.75 in) |
| | 05/12/10 22:15 CST | | 0 | Source: Public |
| <hr/> | | | | |
| MIDLAND COUNTY --- 2.4 NNE GREENWOOD [32.03, -101.90] | | | | |
| | 05/12/10 22:13 CST | | 0 | Hail (1.75 in) |
| | 05/12/10 22:18 CST | | 0 | Source: NWS Employee |
| <hr/> | | | | |
| HOWARD COUNTY --- 1.4 WNW KNOTT [32.41, -101.67] | | | | |
| | 05/12/10 22:30 CST | | 0 | Hail (1.00 in) |
| | 05/12/10 22:45 CST | | 0 | Source: Public |
| <hr/> | | | | |
| GLASSCOCK COUNTY --- 5.0 SW ST LAWRENCE [31.62, -101.56] | | | | |
| | 05/12/10 22:40 CST | | 0 | Thunderstorm Wind (MG 56 kt) |
| | 05/12/10 22:45 CST | | 0 | Source: Mesonet |
| <hr/> | | | | |
| Damage was not reported with this wind gust. | | | | |
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| UPTON COUNTY --- 8.3 W RANKIN ARPT [31.23, -102.09] | | | | |
| | 05/12/10 23:20 CST | | 0 | Hail (1.75 in) |
| | 05/12/10 23:25 CST | | 0 | Source: Law Enforcement |
| <hr/> | | | | |
| UPTON COUNTY --- 0.6 E RANKIN ARPT [31.23, -101.94] | | | | |
| | 05/12/10 23:25 CST | | 0 | Hail (1.75 in) |
| | 05/12/10 23:30 CST | | 0 | Source: Law Enforcement |
| <hr/> | | | | |
| UPTON COUNTY --- 0.6 E RANKIN ARPT [31.23, -101.94] | | | | |
| | 05/13/10 00:26 CST | | 0 | Hail (1.75 in) |
| | 05/13/10 00:30 CST | | 0 | Source: Public |
| <hr/> | | | | |
| PECOS COUNTY --- 1.4 WNW FT STOCKTON [30.89, -102.89] | | | | |
| | 05/13/10 20:12 CST | | 0 | Hail (1.75 in) |
| | 05/13/10 20:17 CST | | 0 | Source: Law Enforcement |
| <hr/> | | | | |
| A strong upper level low progressed over the Rocky Mountains as an upper level disturbance moved over west Texas. Plentiful moisture was present east of a dryline, which slowly moved eastward throughout the afternoon. Thunderstorms develop along this dryline across portions of the Texas Permian Basin and the Low Rolling Plains Wednesday evening into early Thursday morning. | | | | |
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| WINKLER COUNTY --- 17.1 ESE KERMIT ROBINSON ARPT [31.75, -102.80], 17.5 ESE KERMIT ROBINSON ARPT [31.79, -102.78] | | | | |
| | 05/14/10 11:56 CST | | 0 | Tornado (EF0, L: 2.98 mi , W: 100 yd) |
| | 05/14/10 12:04 CST | | 0 | Source: Storm Chaser |

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|--|--------------------|-------------------|---------------------|---------------------------------------|
| <p>Members of the Vortex2 team and TWISTEX both confirmed a rope tornado at 11:56 AM CST approximately 17 miles east southeast of Kermit, TX. The tornado then moved east northeast into western Ector County, with a confirmed dissipation time of 12:04 PM CST. There was no significant damage reported with this tornado.</p> | | | | |
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| MIDLAND COUNTY --- 3.6 NE (MAF) MIDLAND INTL [31.96, -102.15] | | | | |
| | 05/14/10 12:11 CST | | 0 | Hail (1.00 in) |
| | 05/14/10 12:30 CST | | 0 | Source: NWS Employee |
| <hr/> | | | | |
| ECTOR COUNTY --- 6.0 SSE NOTREES [31.83, -102.73], 2.0 SE NOTREES [31.90, -102.73] | | | | |
| | 05/14/10 12:15 CST | | 0.10M | Tornado (EF3, L: 4.28 mi , W: 500 yd) |
| | 05/14/10 12:28 CST | | 0 | Source: Storm Chaser |
| <p>At 12:15 pm CST, members of the TWISTEX research group confirmed the formation of a tornado approximately 6.5 miles south of Notrees. This tornado progressed northeastward around 20 mph, first causing damage to power poles around from 12:16 to 12:17 pm CST. As it continued to track to the northeast, the tornado caused significant damage to oil equipment from 12:19 to 12:22 pm CST. Two type 320 pump jacks, each weighing 71,000 pounds including the concrete base, were blown over. The tornado then began to weaken at 12:27 pm CST, and dissipated at 12:28 pm CST approximately 2 miles southeast of Notrees, TX.</p> | | | | |
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| ECTOR COUNTY --- 4.1 WSW GOLDSMITH [31.95, -102.68] | | | | |
| | 05/14/10 12:26 CST | | 0 | Hail (2.50 in) |
| | 05/14/10 12:30 CST | | 0 | Source: Trained Spotter |
| <hr/> | | | | |
| MIDLAND COUNTY --- 3.9 WSW MIDLAND [31.97, -102.14] | | | | |
| | 05/14/10 12:30 CST | | 0 | Hail (1.25 in) |
| | 05/14/10 12:35 CST | | 0 | Source: NWS Employee |
| <hr/> | | | | |
| ECTOR COUNTY --- 5.6 SSE GOLDSMITH [31.91, -102.57], 4.7 SE GOLDSMITH [31.93, -102.57] | | | | |
| | 05/14/10 12:32 CST | | 0 | Tornado (EF0, L: 1.27 mi , W: 75 yd) |
| | 05/14/10 12:36 CST | | 0 | Source: Storm Chaser |
| <p>At 12:32 pm CST, members of the TWISTEX research team confirmed a rope tornado approximately 5.5 miles south southeast of Goldsmith, TX, and north of Highway 302. The tornado then moved northeast a little over a mile where it dissipated at 12:36 pm CST. No significant damage was observed with this tornado.</p> | | | | |
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| ECTOR COUNTY --- GOLDSMITH [31.98, -102.62] | | | | |
| | 05/14/10 13:05 CST | | 0 | Hail (1.00 in) |
| | 05/14/10 13:10 CST | | 0 | Source: Public |
| <hr/> | | | | |
| MIDLAND COUNTY --- 2.4 NNE GREENWOOD [32.03, -101.90] | | | | |
| | 05/14/10 13:12 CST | | 0 | Hail (1.75 in) |
| | 05/14/10 13:17 CST | | 0 | Source: Public |
| <hr/> | | | | |
| MIDLAND COUNTY --- GREENWOOD [32.00, -101.92], 0.5 ENE GREENWOOD [32.00, -101.91] | | | | |
| | 05/14/10 13:15 CST | | 0 | Tornado (EF0, L: 0.53 mi , W: 50 yd) |
| | 05/14/10 13:18 CST | | 0 | Source: Trained Spotter |
| <p>A brief touchdown was reported by a trained spotter near Greenwood, TX. The time of this report was estimated according to radar data. No significant damage was reported with this tornado.</p> | | | | |
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| MIDLAND COUNTY --- 5.9 WNW MIDLAND [32.03, -102.17], 3.7 E (MAF) MIDLAND INTL [31.94, -102.14], 4.2 E MIDLAND [31.99, -102.01], 4.8 NNE MIDLAND [32.07, -102.06] | | | | |
| | 05/14/10 13:46 CST | 1 | 0.18M | Flash Flood (due to Heavy Rain) |
| | 05/14/10 18:30 CST | 1 | 0 | Source: Law Enforcement |
| <p>At 13:46 pm CST, local law enforcement reported that a car had been swept into the Scharbauer Draw near Jackson Street and Scharbauer Drive. When emergency officials arrived on the scene, they were unable to locate the car. Later that evening, a wrecker service was removing the reemerged car from the water when they found the body of a female driver inside. Numerous cars were submerged throughout Midland, and several high water rescues were executed. The police received over 92 submerged vehicle reports, although some may have been repeats. The monetary damage for this event was estimated based on the number of vehicles observed under water.</p> | | | | |

Direct Fatalities: F46VE

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| ECTOR COUNTY --- 3.7 W GOLDSMITH [31.98, -102.68] | | | | |
| | 05/14/10 14:16 CST | | 0 | Hail (1.00 in) |
| | 05/14/10 14:20 CST | | 0 | Source: Trained Spotter |
| WARD COUNTY --- MONAHANS [31.58, -102.90] | | | | |
| | 05/14/10 14:17 CST | | 0 | Thunderstorm Wind (EG 56 kt) |
| | 05/14/10 14:18 CST | | 0 | Source: Trained Spotter |
| No known damage was reported with this gust. | | | | |
| MIDLAND COUNTY --- 3.8 WNW MIDLAND [32.02, -102.14] | | | | |
| | 05/14/10 14:31 CST | | 0 | Hail (1.00 in) |
| | 05/14/10 14:50 CST | | 0 | Source: Public |
| HOWARD COUNTY --- 0.4 NW BIG SPRING [32.25, -101.47], 0.7 NW BIG SPRING [32.26, -101.48], 0.8 NNW BIG SPRING [32.26, -101.47], 0.7 N BIG SPRING [32.26, -101.47], 0.4 NNE BIG SPRING [32.26, -101.47] | | | | |
| | 05/14/10 15:20 CST | | 8K | Flash Flood (due to Heavy Rain) |
| | 05/14/10 16:20 CST | | 0 | Source: Emergency Manager |
| At 1520 pm CST, the Howard County Emergency Manager reported flash flooding in and around Big Spring, TX. Fifty-five gallon drums were floating down roadways and several motorists were stranded in vehicles submerged under water. | | | | |
| HOWARD COUNTY --- 8.0 W BIG SPRING [32.25, -101.61] | | | | |
| | 05/14/10 15:30 CST | | 0 | Hail (1.00 in) |
| | 05/14/10 15:35 CST | | 0 | Source: Public |
| MITCHELL COUNTY --- 22.0 SSE COLORADO CITY [32.11, -100.71] | | | | |
| | 05/14/10 15:43 CST | | 0 | Thunderstorm Wind (EG 56 kt) |
| | 05/14/10 15:44 CST | | 0 | Source: Public |
| The wind gust snapped large tree limbs. | | | | |
| CRANE COUNTY --- 9.0 N CRANE [31.53, -102.35] | | | | |
| | 05/14/10 15:53 CST | | 0 | Hail (1.00 in) |
| | 05/14/10 15:58 CST | | 0 | Source: Storm Chaser |
| PECOS COUNTY --- 1.9 SE IMPERIAL [31.25, -102.65] | | | | |
| | 05/14/10 16:58 CST | | 0 | Hail (1.50 in) |
| | 05/14/10 17:03 CST | | 0 | Source: Trained Spotter |
| REAGAN COUNTY --- 2.1 N STILES [31.43, -101.58] | | | | |
| | 05/14/10 17:26 CST | | 0 | Hail (1.75 in) |
| | 05/14/10 17:31 CST | | 0 | Source: Public |
| Several windows on a home were broken by the hail, but no known specifics were given with regards to replacement costs. | | | | |
| REAGAN COUNTY --- 12.0 NNW STILES [31.56, -101.66] | | | | |
| | 05/14/10 17:31 CST | | 0 | Hail (1.75 in) |
| | 05/14/10 17:36 CST | | 0 | Source: Fire Department/Rescue |
| REAGAN COUNTY --- 6.0 SSW STILES [31.32, -101.62], 5.8 SSW STILES [31.32, -101.61] | | | | |
| | 05/14/10 17:35 CST | | 0 | Tornado (EF0, L: 0.71 mi , W: 75 yd) |
| | 05/14/10 17:37 CST | | 0 | Source: Public |

A brief tornado developed near a residence, doing minor damage. The time of the tornado's formation was estimated from radar and the storm report from the owner of the home. At approximately 17:35 pm CST, the tornado blew an old telephone antenna a couple hundred yards away. It then blew a stack of wooden pallets 15 to 20 yards away. In addition, several 5 inch limbs were broken off of trees. The tornado lasted less than 2 minutes.

During the late morning hours, an upper level disturbance slowly progressed over the area. At the surface, abundant low level moisture was available due to southeasterly to easterly winds. A nearly stationary frontal boundary across the Permian basin provided

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a focus for rapid thunderstorm development. Several supercell thunderstorms resulted in widespread severe weather in the form of tornadoes, flash flooding and large hail across the Texas Permian Basin. The supercell thunderstorms eventually diminished during the late evening hours across the southern Permian Basin.



Image of a rope tornado about 12 miles northeast of Monahans, TX. This photo was taken and provided by Tony Laubach of tornadoeskick.com.

(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY

| | | |
|--------------------|---|-----------------------|
| 05/14/10 17:31 MST | 0 | High Wind (MAX 41 kt) |
| 05/14/10 20:07 MST | 0 | |

Cool air funneled through Guadalupe Pass with gap winds surpassing 40 mph for a couple hours.

BREWSTER COUNTY --- 1.4 ESE ALPINE [30.36, -103.65]

| | | |
|--------------------|---|-------------------------|
| 05/17/10 14:40 CST | 0 | Hail (1.75 in) |
| 05/17/10 14:43 CST | 0 | Source: Law Enforcement |

BREWSTER COUNTY --- 8.4 SSE ALPINE [30.26, -103.61]

| | | |
|--------------------|---|----------------|
| 05/17/10 15:00 CST | 0 | Hail (3.00 in) |
| 05/17/10 15:05 CST | 0 | Source: Public |

BREWSTER COUNTY --- 12.4 S ALPINE [30.19, -103.67]

| | | |
|--------------------|---|----------------|
| 05/17/10 15:10 CST | 0 | Hail (4.25 in) |
| 05/17/10 15:12 CST | 0 | Source: Public |

CULBERSON COUNTY --- 2.2 SSW PLATEAU [31.04, -104.56]

| | | |
|--------------------|---|----------------|
| 05/17/10 15:10 CST | 0 | Hail (1.00 in) |
| 05/17/10 15:15 CST | 0 | Source: Public |

BREWSTER COUNTY --- 8.3 S ALPINE [30.25, -103.67]

Storm Data and Unusual Weather Phenomena - May 2010

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|---------------------------------------|
| | 05/17/10 15:12 CST | | 0 | Hail (1.75 in) |
| | 05/17/10 15:17 CST | | 0 | Source: Amateur Radio |
| <hr/> | | | | |
| REEVES COUNTY --- 5.8 NW ARNO [31.71, -103.70] | | | | |
| | 05/17/10 15:27 CST | | 0 | Hail (1.75 in) |
| | 05/17/10 15:30 CST | | 0 | Source: Public |
| <hr/> | | | | |
| BREWSTER COUNTY --- 8.3 S ALPINE [30.25, -103.67] | | | | |
| | 05/17/10 15:28 CST | | 45K | Hail (4.25 in) |
| | 05/17/10 15:35 CST | | 0 | Source: Amateur Radio |
| <p>Several windows and skylights were broken by the hail on one home. In addition, two more homes received roof and window damage. One vehicle also reported damage.</p> | | | | |
| <hr/> | | | | |
| LOVING COUNTY --- 0.7 N MENTONE [31.71, -103.60] | | | | |
| | 05/17/10 15:30 CST | | 0 | Hail (0.88 in) |
| | 05/17/10 15:35 CST | | 0 | Source: Storm Chaser |
| <hr/> | | | | |
| LOVING COUNTY --- 14.7 E RED BLUFF RES [31.91, -103.67] | | | | |
| | 05/17/10 16:00 CST | | 0 | Hail (1.25 in) |
| | 05/17/10 16:10 CST | | 0 | Source: Public |
| <hr/> | | | | |
| WARD COUNTY --- 1.4 ENE GRANDFALLS [31.34, -102.85] | | | | |
| | 05/21/10 20:10 CST | | 0 | Hail (1.75 in) |
| | 05/21/10 20:15 CST | | 0 | Source: Trained Spotter |
| <p>A cold front located across the Red River and South Plains pushed southward into the western Low Rolling Plains and Texas Permian Basin. With abundant low level moisture in place across the area, isolated severe thunderstorms developed along this boundary across the central and eastern portions of the Texas Permian Basin during the late afternoon hours as an upper level disturbance passed overhead. Scattered thunderstorms also developed during the afternoon and evening over the mountains of southwest Texas and the adjacent plains. Some of these storms became severe.</p> | | | | |
| <hr/> | | | | |
| (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY | | | | |
| | 05/19/10 11:51 MST | | 0 | High Wind (MAX 37 kt) |
| | 05/19/10 12:51 MST | | 0 | |
| <p>Gap winds through Guadalupe Pass surpassed 40 mph sustained for a couple of hours beneath westerly flow aloft.</p> | | | | |
| <hr/> | | | | |
| WARD COUNTY --- GRANDFALLS [31.33, -102.87] | | | | |
| | 05/21/10 20:10 CST | | 0 | Hail (1.75 in) |
| | 05/21/10 20:15 CST | | 0 | Source: Trained Spotter |
| <p>Isolated thunderstorms developed along a dryline over the Trans Pecos Region, the Presidio Valley, and the Big Bend Region during the later afternoon and into the evening hours. Some of these storms reached severe levels.</p> | | | | |
| <hr/> | | | | |
| PECOS COUNTY --- 10.0 NNW CHANCELLOR [30.81, -103.25], 8.3 NNW CHANCELLOR [30.78, -103.24] | | | | |
| | 05/22/10 17:36 CST | | 0 | Tornado (EF0, L: 1.77 mi , W: 150 yd) |
| | 05/22/10 17:49 CST | | 0 | Source: Trained Spotter |
| <p>At 1536 CST, a tornado was confirmed by trained spotters about 22 miles west of Fort Stockton. The tornado then tracked south southeast for about 4 minutes, and was spotted by local law enforcement. It was determined by a damage survey, and several spotter reports, that the tornado dissipated around 1549 CST. Only minor damage was done to vegetation by this tornado. Please see the photos of the tornado taken by the spotters.</p> | | | | |
| <hr/> | | | | |
| PECOS COUNTY --- 12.3 NW CHANCELLOR [30.82, -103.30] | | | | |
| | 05/22/10 19:15 CST | | 0 | Tornado (EF0, L: 0.25 mi , W: 150 yd) |
| | 05/22/10 19:16 CST | | 0 | Source: Trained Spotter |
| <p>A trained weather spotter reported a tornado at 1715 CST about 18 miles west southwest of Fort Stockton. No damage was reported with this weak brief touchdown.</p> | | | | |
| <p>A weak upper level disturbance moving out of Mexico into southwest Texas, combined with abundant amounts of low level moisture and a high level of atmospheric instability, resulted in the development of a supercell thunderstorm across western portions of Pecos</p> | | | | |

Storm Data and Unusual Weather Phenomena - May 2010

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

County. A surface low area of low pressure located across the Trans Pecos Region increased low level wind shear and aided this storm in becoming tornadic.



Photo of a tornado about 21 miles west southwest of Fort Stockton, TX taken at 1545 CST. Image provided by the Ozona, TX Fire Chief.

REEVES COUNTY --- VERHALEN [31.12, -103.58]

| | | |
|--------------------|-----|------------------------------|
| 05/23/10 15:38 CST | 18K | Thunderstorm Wind (EG 61 kt) |
| 05/23/10 15:40 CST | 0 | Source: Public |

Several power poles were knocked down/snapped by the wind gust. The time of this report was estimated according to radar data.

REEVES COUNTY --- 11.5 SE VERHALEN [31.01, -103.43], 15.4 SE VERHALEN [30.97, -103.39]

| | | |
|--------------------|-----|---------------------------------------|
| 05/23/10 17:56 CST | 24K | Tornado (EF2, L: 3.96 mi , W: 300 yd) |
| 05/23/10 18:06 CST | 0 | Source: NWS Employee |

A spotter report from a NWS employee and a damage survey both determined that at approximately 1756 CST, a tornado developed about 11 miles southeast of Verhalen, TX. It then moved southeastward damaging a total of 12 power poles. All but two of these poles were broken into 3 or 4 pieces each. The broken poles were indicative of EF-2 type damage. At 1802 CST, a Pecos County Sheriff's Deputy took a photo of the tornado near the Pecos and Reeves County line. Finally, at 1806 CST the NWS employee captured the tornado in its dissipating stage.

PECOS COUNTY --- 19.5 NW CHANCELLOR [30.89, -103.39]

| | | |
|--------------------|---|-------------------------|
| 05/23/10 18:33 CST | 0 | Hail (1.00 in) |
| 05/23/10 18:38 CST | 0 | Source: Law Enforcement |

Storm Data and Unusual Weather Phenomena - May 2010

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|------------------------------|
| <hr/> | | | | |
| PECOS COUNTY --- 21.5 NNW CHANCELLOR [30.94, -103.37] | | | | |
| | 05/23/10 20:12 CST | | 16K | Thunderstorm Wind (EG 61 kt) |
| | 05/23/10 20:15 CST | | 0 | Source: Utility Company |
| Eight power poles were knocked over/snapped by the wind gust. | | | | |
| <hr/> | | | | |
| PECOS COUNTY --- 25.0 WNW FT STOCKTON [31.02, -103.26] | | | | |
| | 05/23/10 20:27 CST | | 0 | Hail (1.00 in) |
| | 05/23/10 20:30 CST | | 0 | Source: Trained Spotter |

With persistent low level southeast flow in place across the area and a surface dryline in place from southeast New Mexico across portions of southwest Texas, isolated supercell thunderstorms developed across southern Reeves County and northwest Pecos County. For the second straight evening, these thunderstorms produced tornadoes across the area.

Storm Data and Unusual Weather Phenomena - May 2010

Location

Date/Time

Deaths &
Injuries

Property &
Crop Dmg

Event Type and Details



Storm Data and Unusual Weather Phenomena - May 2010

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



Photo of a tornado taken about 20 miles south southeast of Pecos, TX at 1806 CST. Image provided by Deputy Brandon Moore.

PECOS COUNTY --- 9.1 NE FT STOCKTON ARPT FST [31.02, -102.82]

| | | | |
|--------------------|--|---|-------------------------|
| 05/24/10 11:59 CST | | 0 | Hail (1.75 in) |
| 05/24/10 12:04 CST | | 0 | Source: Law Enforcement |

ECTOR COUNTY --- 1.2 W PLEASANT FARMS [31.68, -102.34]

| | | | |
|--------------------|--|---|--------------------------------|
| 05/24/10 13:08 CST | | 0 | Thunderstorm Wind (EG 56 kt) |
| 05/24/10 13:10 CST | | 0 | Source: Fire Department/Rescue |

A wind gust blew over an aluminum carport and twisted it.

PECOS COUNTY --- 7.3 SSE GIRVIN [30.98, -102.34]

| | | | |
|--------------------|--|---|------------------------------|
| 05/24/10 14:39 CST | | 0 | Thunderstorm Wind (EG 52 kt) |
| 05/24/10 14:42 CST | | 0 | Source: Public |

Several large tree limbs were snapped by the wind gust.

PECOS COUNTY --- 7.3 SSE GIRVIN [30.98, -102.34]

| | | | |
|--------------------|--|---|----------------|
| 05/24/10 14:39 CST | | 0 | Hail (1.00 in) |
| 05/24/10 14:44 CST | | 0 | Source: Public |

PECOS COUNTY --- 7.2 W BAKERSFIELD [30.89, -102.40]

| | | | |
|--------------------|--|---|----------------|
| 05/24/10 15:08 CST | | 0 | Hail (1.75 in) |
| 05/24/10 15:13 CST | | 0 | Source: Public |

PECOS COUNTY --- 7.0 N BAKERSFIELD [30.98, -102.30]

| | | | |
|--------------------|--|---|----------------|
| 05/24/10 15:30 CST | | 0 | Hail (1.75 in) |
| 05/24/10 15:35 CST | | 0 | Source: Public |

TERRELL COUNTY --- 19.9 NE (P07)SANDERSON [30.35, -102.16]

| | | | |
|--------------------|--|-----|----------------|
| 05/24/10 18:21 CST | | 12K | Hail (2.50 in) |
| 05/24/10 18:26 CST | | 0 | Source: Public |

The hail caused major damage to a trailer home, destroying windows, siding and the entire skirt.

As an upper level trough was crossing the Rocky Mountains and lifting to the north, a dryline surged east across the western Permian basin. Moderate instability east of the dryline allowed severe storms to develop across the Trans Pecos region and the southern portions of the Texas Permian Basin along the dryline.

PECOS COUNTY --- 22.8 NW CHANCELLOR [30.95, -103.39]

| | | | |
|--------------------|--|---|----------------|
| 05/25/10 15:09 CST | | 0 | Hail (1.00 in) |
| 05/25/10 15:11 CST | | 0 | Source: Public |

BREWSTER COUNTY --- ALPINE TERLINGUA ARP [29.45, -103.40]

| | | | |
|--------------------|--|---|-----------------------|
| 05/25/10 20:21 CST | | 0 | Hail (1.75 in) |
| 05/25/10 20:24 CST | | 0 | Source: COOP Observer |

Scattered thunderstorms developed over the Davis and Apache Mountains of southwest Texas during the afternoon hours, as a weak

Storm Data and Unusual Weather Phenomena - May 2010

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

upper level disturbance combined with sufficient low level moisture over the region. A couple of severe storms eventually developed northward into the Upper Trans Pecos region.