

## Storm Data and Unusual Weather Phenomena - August 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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### NEW MEXICO, Southeast

#### LEA COUNTY --- 2.0 SW TATUM [33.23, -103.34]

	08/25/14 12:00 MST		0	Thunderstorm Wind (MG 63 kt)
	08/25/14 12:01 MST		0	Source: Mesonet

A thunderstorm moved across Lea County and produced a 73 mph wind gust near Tatum. No damage was reported.

**There was a surface trough in southeast New Mexico which provided lift. Good moisture and instability were also present across the area.**

### TEXAS, West

#### BREWSTER COUNTY --- ALPINE [30.37, -103.67]

	08/10/14 16:35 CST		0	Thunderstorm Wind (MG 51 kt)
	08/10/14 16:36 CST		0	Source: ASOS

A thunderstorm moved across Brewster County and produced a 59 mph wind gust in Alpine. No damage was reported.

#### ECTOR COUNTY --- 3.0 NNW ODESSA [31.89, -102.39]

	08/10/14 17:07 CST		1.25K	Thunderstorm Wind (EG 61 kt)
	08/10/14 17:08 CST		0	Source: County Official

A thunderstorm moved across Ector County and produced wind damage near Odessa . Power lines were blown down at West 67th and County Road West. The cost of damage is a rough estimate.

#### ECTOR COUNTY --- ODESSA [31.85, -102.37]

	08/10/14 17:08 CST		70K	Thunderstorm Wind (EG 65 kt)
	08/10/14 17:09 CST		0	Source: Public

A thunderstorm moved across Ector County and produced damaging winds . The wind gusts were estimated near 75 mph based on the damage described. Poles were snapped at two different locations. There was structural damage to two businesses and a few buildings had been mangled. The cost of damage is a very rough estimate since there was not a lot of details given about the extent of damage.

#### ECTOR COUNTY --- 5.0 NNW ODESSA [31.92, -102.40]

	08/10/14 17:10 CST		6K	Thunderstorm Wind (EG 56 kt)
	08/10/14 17:11 CST		0	Source: Public

A thunderstorm moved across Ector County and produced wind damage near Odessa . A tin roof was partially peeled back on a building . The location of this building was near US 385 and Schlemeyer Field. The cost of the damage is a rough estimate.

#### WARD COUNTY --- MONAHANS [31.58, -102.90]

	08/10/14 17:30 CST		11K	Thunderstorm Wind (EG 65 kt)
	08/10/14 17:32 CST		0	Source: Law Enforcement

A thunderstorm moved across Ward County and produced damage in Monahans . There were four to five telephone poles snapped, trees knocked over, a storage building turned on its side, and windows in mobile homes were broke. The cost of damage is a very rough estimate.

**A boundary was approaching the northern Permian Basin with good moisture and instability present across the area. There was increased convergence and lift along this boundary. These conditions helped to create thunderstorms which produced damaging winds.**

#### MIDLAND COUNTY --- MIDLAND [32.00, -102.08]

	08/11/14 17:00 CST		15K	Thunderstorm Wind (EG 61 kt)
	08/11/14 17:01 CST		0	Source: Public

A thunderstorm moved across Midland County and produced damaging winds in Midland . An RV was flipped over, shingles were blown off, the squirting surrounding a home was blown off, and trash dumpsters were blown over. The cost of damage is a very rough estimate.

**There were easterly winds across the area bringing in low-level moisture. There was a boundary across the area with unstable air present. Storms developed along and to the north of this boundary with damaging winds in the Permian Basin.**

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<b>BORDEN COUNTY --- 2.0 ESE GAIL [32.76, -101.40]</b>				
	08/17/14 16:30 CST		0	Thunderstorm Wind (MG 51 kt)
	08/17/14 16:35 CST		0	Source: Mesonet
<p>A thunderstorm moved across Borden County and produced a 59 mph wind gust at both 5:30 pm and 5:35 pm CDT at the mesonet station near Gail. No damage was reported.</p> <p><b>A weak upper trough was over the region and there were remnant outflow boundaries across the area. There was also good moisture and instability across the area. These conditions contributed to severe wind gusts in the Permian Basin.</b></p>				
<b>ECTOR COUNTY --- ODESSA [31.85, -102.37]</b>				
	08/20/14 17:00 CST		5K	Thunderstorm Wind (EG 65 kt)
	08/20/14 17:01 CST		0	Source: Public
<p>A thunderstorm moved across Ector County and produced wind damage in Odessa. The wind uprooted a mulberry tree and destroyed a storage shed. A car parked in the driveway beside the fallen tree was lifted up and a remnant piece of the storage shed was wedged under the car when it landed back down. Do not know if the fallen tree did any damage. The cost of damage is a rough estimate.</p> <p><b>A plume of moisture was present across far West Texas and New Mexico. Good instability was across the area. These conditions resulted in severe wind gusts in the Permian Basin.</b></p>				
<b>ECTOR COUNTY --- 2.0 SW ODESSA [31.83, -102.39]</b>				
	08/21/14 19:16 CST		0	Hail (1.00 in)
	08/21/14 19:21 CST		0	Source: Public
<b>ECTOR COUNTY --- 3.0 W ODESSA [31.85, -102.42]</b>				
	08/21/14 19:26 CST		0	Thunderstorm Wind (EG 52 kt)
	08/21/14 19:27 CST		0	Source: Public
<p>A thunderstorm moved across Ector County and produced a 60 mph wind gust near Odessa. No damage was reported.</p> <p><b>Abundant moisture was across the area and instability was good. These conditions resulted in severe hail and winds in the Permian Basin.</b></p>				
<b>WINKLER COUNTY --- WINK [31.75, -103.15]</b>				
	08/22/14 17:39 CST		0	Thunderstorm Wind (MG 50 kt)
	08/22/14 17:40 CST		0	Source: ASOS
<p>A thunderstorm moved across Winkler County and produced a 58 mph wind gust at the Wink ASOS site. No damage was reported.</p> <p><b>A surface trough was across the area and there were upper level disturbances moving over the region. Good moisture was also across the area.</b></p>				
<b>BREWSTER COUNTY --- 7.0 WNW ALPINE [30.41, -103.78]</b>				
	08/24/14 17:30 CST		0	Heavy Rain
	08/24/14 18:10 CST		0	Source: COOP Observer
<p>Heavy rain fell near Alpine with three quarters to an inch falling in 40 minutes.</p>				
<b>ANDREWS COUNTY --- 2.0 E ANDREWS [32.32, -102.52]</b>				
	08/24/14 18:15 CST		0	Thunderstorm Wind (MG 50 kt)
	08/24/14 18:16 CST		0	Source: Mesonet
<p>A thunderstorm moved across Andrews County and produced a 58 mph wind gust near the town of Andrews. No damage was reported.</p> <p><b>There was an axis of instability across the Permian Basin. Good moisture was generally across the area, but a dry sub-cloud layer was also present which was conducive to gusty winds.</b></p>				