

## Storm Data and Unusual Weather Phenomena - January 2010

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

#### (NM-Z033) CENTRAL LEA COUNTY

	01/06/10 22:00 MST	0	0	High Wind (MAX 35 kt)
	01/07/10 00:00 MST	0	0	

A tight surface pressure gradient and surface pressure rises near or above 1 hpa per hour resulted in strong northeast winds across portions of the southeast New Mexico plains.

#### (NM-Z028) EDDY COUNTY PLAINS

	01/22/10 11:14 MST	0	0	High Wind (MAX 52 kt)
	01/23/10 14:10 MST	0	0	

A passing upper level shortwave trough resulted in strong winds in the Guadalupe and Davis Mountains. Portions of the southeast New Mexico plains were also affected by these stronger winds on 1/22/10 and 1/23/10.

#### (NM-Z027) GUADALUPE MOUNTAINS OF EDDY COUNTY

	01/23/10 11:00 MST	0	0	Heavy Snow
	01/23/10 22:00 MST	0	0	

A mid level cutoff low moved slowly over New Mexico and west Texas on 1/22/10 and 1/23/10. Due to a cold airmass building into the region at the same time, heavy snow fell in portions of the Guadalupe Mountains. Lesser amounts of sleet and snow fell over the southeast New Mexico plains, the Van Horn area, Davis Mountains, upper Trans Pecos, and Permian Basin of west Texas.

### TEXAS, West

#### (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY

	01/06/10 23:09 MST	0	0	High Wind (MAX 35 kt)
	01/07/10 13:51 MST	0	0	

Cold air damming occurred along the eastern slopes of the Guadalupe Mountains as an arctic airmass settled into the region behind a strong cold front. A tight surface pressure gradient and surface pressure rises near or above 1 hpa per hour also contributed to strong northeast winds funneling through Guadalupe Pass for many hours.

#### (TX-Z050) ANDREWS, (TX-Z074) DAVIS / APACHE MOUNTAINS AREA, (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY

	01/19/10 13:20 MST	0	0	High Wind (MAX 56 kt)
	01/20/10 14:51 MST	0	0	

#### (TX-Z050) ANDREWS, (TX-Z074) DAVIS / APACHE MOUNTAINS AREA, (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY

	01/20/10 11:15 CST	0	0	High Wind (MAX 56 kt)
	01/20/10 12:51 CST	0	0	

A potent upper level shortwave trough moved across northeast New Mexico and the Texas Panhandle. Strong mid level winds at the base of this upper trough resulted in high winds in the Guadalupe and Davis Mountains.

#### (TX-Z074) DAVIS / APACHE MOUNTAINS AREA, (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY

	01/21/10 03:00 MST	0	0	High Wind (MAX 80 kt)
	01/24/10 16:51 MST	0	0	

#### (TX-Z074) DAVIS / APACHE MOUNTAINS AREA, (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY

	01/22/10 11:50 CST	0	0	High Wind (MAX 80 kt)
	01/24/10 06:30 CST	0	0	

A passing upper level shortwave trough resulted in strong winds in the Guadalupe and Davis Mountains.

ECTOR COUNTY --- 1.2 SE WESTOVER [31.81, -102.43], 1.1 SE WESTOVER [31.81, -102.44], 1.1 ESE WESTOVER [31.81, -102.43], 1.3 ESE WESTOVER [31.81, -102.43]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	01/28/10 07:32 CST		5K	Flash Flood (due to Heavy Rain)
	01/28/10 08:00 CST		0	Source: Broadcast Media

A high water rescue was reported by the broadcast media near the intersection of FM1936 and I-20.

**ECTOR COUNTY --- 1.8 NE GREENFIELD ACRES [31.89, -102.38], 1.9 NE GREENFIELD ACRES [31.89, -102.37], 1.9 ENE GREENFIELD ACRES [31.88, -102.37], 1.7 NE GREENFIELD ACRES [31.88, -102.38]**

	01/28/10 07:35 CST		15K	Flash Flood (due to Heavy Rain)
	01/28/10 08:15 CST		0	Source: Law Enforcement

Local law enforcement reported cars were stalled at the intersection of 42nd and Dixie in Odessa, TX. The water was up to car door handles.

**MIDLAND COUNTY --- 1.3 W MIDLAND [32.00, -102.10], 1.3 WSW MIDLAND [31.99, -102.10], 1.1 WSW MIDLAND [31.99, -102.10], 1.2 WSW MIDLAND [32.00, -102.10]**

	01/28/10 07:40 CST		0.50K	Flash Flood (due to Heavy Rain)
	01/28/10 08:40 CST		0	Source: Law Enforcement

Local law enforcement reported high water at the intersection of Andrews Highway and Illinois St. Large construction barrels were seen floating down the road.

**HOWARD COUNTY --- 10.0 S BIG SPRING [32.11, -101.47]**

	01/28/10 09:00 CST		12K	Thunderstorm Wind (EG 65 kt)
	01/28/10 09:03 CST		0	Source: Public

The public reported a barn was destroyed, a trampoline was blown into another yard, and several utility poles were snapped due to wind gusts associated with the storm.

**MITCHELL COUNTY --- 0.9 SE LORAIN [32.41, -100.71]**

	01/28/10 09:44 CST		0.59M	Thunderstorm Wind (EG 70 kt)
	01/28/10 09:45 CST		0	Source: Public

A wind turbine was destroyed by the severe gust. In addition, a cedar tree was also snapped near its base.

**Unseasonably moist conditions over the area combined with an approaching potent upper level trough on this day, resulted in a couple of convective severe wind gusts and flash flooding episodes.**