

Storm Data and Unusual Weather Phenomena - March 2011

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

(NM-Z028) EDDY COUNTY PLAINS

	03/04/11 23:00 MST	0		High Wind (MAX 55 kt)
	03/05/11 00:01 MST	0		

Northeast winds behind a strong cold front resulted in high winds in the lee of the Guadalupe Mountains over the southeast New Mexico plains.

TEXAS, West

(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY

	03/06/11 23:51 MST	0		High Wind (MAX 71 kt)
	03/07/11 21:00 MST	0		

Strong mid level winds rounding the base of a passing shortwave trough resulted in high winds in the Guadalupe Mountains.

(TX-Z074) DAVIS / APACHE MOUNTAINS AREA

	03/08/11 00:00 CST	0		High Wind (MAX 52 kt)
	03/08/11 00:20 CST	0		

A passing upper trough imparted high winds to the Davis Mountains.

MITCHELL COUNTY --- 3.2 WNW IATAN [32.35, -101.18]

	03/18/11 17:42 CST	0		Hail (1.75 in)
	03/18/11 17:47 CST	0		Source: Broadcast Media

GLASSCOCK COUNTY --- 1.2 E GARDEN CITY [31.87, -101.48]

	03/18/11 18:55 CST	0		Hail (0.75 in)
	03/18/11 19:00 CST	0		Source: Public

ECTOR COUNTY --- GARDENDALE [32.00, -102.42]

	03/18/11 19:00 CST	0		Hail (1.00 in)
	03/18/11 19:05 CST	0		Source: Public

HOWARD COUNTY --- 0.6 W BIG SPRING [32.25, -101.48], 0.5 N BIG SPRING [32.26, -101.47], 0.5 ESE BIG SPRING [32.25, -101.46], 0.7 SW BIG SPRING [32.24, -101.48]

	03/18/11 20:55 CST	0		Flash Flood (due to Heavy Rain)
	03/18/11 22:10 CST	0		Source: Broadcast Media

At 8:55 PM CST, the broadcast media reported several cars were under water on the west side of Big Spring. About an hour later, the Big Spring Police Department reported several streets were closed due to high water crossing roadways.

A cold front slowly drifting southward into the west Texas Permian Basin interacted with a diffuse dryline to produce slow moving supercells. Severe hail and flash flooding accompanied the storms during the evening hours.

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

	03/22/11 05:05 CST	0		High Wind (MAX 60 kt)
	03/22/11 06:25 CST	0		

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

	03/22/11 07:51 MST	0		High Wind (MAX 60 kt)
	03/22/11 14:51 MST	0		

An upper trough passing to the north of the region resulted in high winds over the Guadalupe and Davis Mountains.

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SCURRY COUNTY --- 4.2 S FLUVANNA [32.82, -101.15]				
	03/24/11 17:15 CST	0		Hail (1.00 in)
	03/24/11 17:20 CST	0		Source: Public

The hail almost covered the ground.

An isolated supercell thunderstorm developed along a dryline over the northern Permian Basin of Texas. Strong winds aloft associated with a passing upper level trough north of the region resulted in deep layer shear supporting the thunderstorm during the early evening hours.

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(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY				
	03/25/11 11:51 MST	0		High Wind (MAX 36 kt)
	03/25/11 15:51 MST	0		

An upper trough moving over New Mexico resulted in strong winds over portions of the Guadalupe Mountains.

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(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY				
	03/26/11 02:51 MST	0		High Wind (MAX 56 kt)
	03/26/11 07:00 MST	0		

Increased southwest flow aloft over the region resulted in high winds in the Guadalupe Mountains.

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(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY				
	03/27/11 08:51 MST	0		High Wind (MAX 54 kt)
	03/27/11 22:51 MST	0		

Increased southwesterly flow aloft over the region resulted in high winds in the Guadalupe Mountains.