

## Storm Data and Unusual Weather Phenomena - March 2014

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

**(NM-Z027) GUADALUPE MOUNTAINS OF EDDY COUNTY, (NM-Z028) EDDY COUNTY PLAINS**

	03/11/14 09:00 MST	0		High Wind (MAX 53 kt)
	03/11/14 23:00 MST	0		

High winds occurred in the Guadalupe Mountains as mid level winds increased ahead of a potent shortwave trough. The strong southwest winds were followed by northeast winds behind a strong cold front.

**(NM-Z027) GUADALUPE MOUNTAINS OF EDDY COUNTY, (NM-Z028) EDDY COUNTY PLAINS**

	03/15/14 19:15 MST	0		High Wind (MAX 51 kt)
	03/16/14 04:00 MST	0		

Strong southwest winds aloft resulted in high winds in the Guadalupe Mountains. A strong cold front then moved south across the Guadalupe Mountains and resulted in high northeast winds.

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

	03/17/14 14:00 MST	0		High Wind (MAX 35 kt)
	03/17/14 17:00 MST	0		

Increasing southwesterly mid level winds ahead of an approaching upper trough resulted in high winds in the Guadalupe Mountains.

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

	03/26/14 16:00 MST	0		High Wind (MAX 35 kt)
	03/27/14 17:00 MST	0		

Strong mid level westerly winds resulted in high winds in the Guadalupe Mountains.

**TEXAS, West**

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

	03/11/14 04:51 MST	0		High Wind (MAX 52 kt)
	03/11/14 13:51 MST	0		

High winds occurred in the Guadalupe Mountains as mid level winds increased ahead of a potent shortwave trough. The strong southwest winds were followed by northeast winds behind a strong cold front.

**MIDLAND COUNTY --- (MAF) MIDLAND INTL [31.93, -102.20]**

	03/15/14 21:30 CST	0		Thunderstorm Wind (MG 52 kt)
	03/15/14 21:31 CST	0		Source: ASOS

A nearby thunderstorm developed and produced a 60 mph wind gust at the Midland International Airport. No damage was reported with this wind gust.

An upper level trough was over western New Mexico and northern Mexico. A cold front associated with this trough was approaching the area. These features created enough lift for thunderstorms to develop across the Permian Basin.

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

	03/15/14 22:31 MST	0		High Wind (MAX 55 kt)
	03/16/14 06:51 MST	0		

Strong southwest winds aloft resulted in high winds in the Guadalupe Mountains. A strong cold front then moved south across the Guadalupe Mountains and resulted in high northeast winds.

**(TX-Z074) DAVIS / APACHE MOUNTAINS AREA**

	03/16/14 02:00 CST	0		Heavy Snow
	03/16/14 09:00 CST	0		

A shortwave trough closed off as it translated southward over New Mexico and resulted in snowfall in the higher elevations of the Davis

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**Mountains in West Texas.**

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

	03/17/14 13:51 MST	0		High Wind (MAX 52 kt)
	03/18/14 02:00 MST	0		

Increasing southwesterly mid level winds ahead of an approaching upper trough resulted in high winds in the Guadalupe Mountains.

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

	03/19/14 00:51 MST	0		High Wind (MAX 41 kt)
	03/19/14 06:51 MST	0		

An extended period of northeast gap winds occurred in Guadalupe Pass behind a strong cold front.

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

	03/23/14 04:51 MST	0		High Wind (MAX 54 kt)
	03/23/14 08:51 MST	0		

A short period of northeast gap winds occurred in Guadalupe Pass behind a strong cold front.

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

	03/25/14 01:51 MST	0		High Wind (MAX 40 kt)
	03/25/14 10:51 MST	0		

Cold air damming against the higher terrain resulted in high northeast gap winds through Guadalupe Pass in the Guadalupe Mountains.

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

	03/26/14 12:51 MST	0		High Wind (MAX 50 kt)
	03/27/14 17:51 MST	0		

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

	03/27/14 06:30 CST	0		High Wind (MAX 50 kt)
	03/27/14 07:30 CST	0		

Strong mid level westerly winds resulted in high winds in the Guadalupe and Davis Mountains.