

## Storm Data and Unusual Weather Phenomena - April 2018

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

04/08/18 13:00 MST	0	High Wind (MAX 50 kt)
04/08/18 18:00 MST	0	

Strong mid level winds mixed to the surface and resulted in high winds across the Guadalupe Mountains.

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

04/12/18 22:00 MST	0	High Wind (MAX 50 kt)
04/13/18 20:00 MST	0	

Increasing southwesterly winds aloft ahead of an approaching shortwave trough resulted in strong winds over portions of Southeast New Mexico on Thursday. The upper trough moving overhead on Friday resulted in stronger winds.

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

04/17/18 13:00 MST	0	High Wind (MAX 50 kt)
04/17/18 20:00 MST	0	

Strong mid level winds at the base of a passing upper trough resulted in high winds across the Guadalupe Mountains and Southeast New Mexico Plains.

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

04/20/18 11:00 MST	0	High Wind (MAX 50 kt)
04/20/18 17:00 MST	0	

Strong westerly winds affected the Guadalupe Mountains due to a passing upper trough.

### TEXAS, West

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

04/03/18 23:51 MST	0	High Wind (MAX 36 kt)
04/04/18 06:51 MST	0	

A cold front resulted in strong winds through Guadalupe Pass.

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

04/08/18 11:38 MST	0	High Wind (MAX 58 kt)
04/08/18 18:51 MST	0	

Strong mid level winds mixed to the surface and resulted in high winds across the Guadalupe Mountains.

#### (TX-Z046) DAWSON, (TX-Z047) BORDEN, (TX-Z052) HOWARD, (TX-Z053) MITCHELL, (TX-Z060) WINKLER, (TX-Z061) ECTOR, (TX-Z062) MIDLAND, (TX-Z063) GLASSCOCK, (TX-Z074) DAVIS / APACHE MOUNTAINS AREA, (TX-Z075) PECOS, (TX-Z080) MARFA PLATEAU, (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY

04/12/18 10:51 MST	0	High Wind (MAX 73 kt)
04/13/18 16:38 MST	0	

#### (TX-Z046) DAWSON, (TX-Z047) BORDEN, (TX-Z052) HOWARD, (TX-Z053) MITCHELL, (TX-Z060) WINKLER, (TX-Z061) ECTOR, (TX-Z062) MIDLAND, (TX-Z063) GLASSCOCK, (TX-Z074) DAVIS / APACHE MOUNTAINS AREA, (TX-Z075) PECOS, (TX-Z080) MARFA PLATEAU, (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY

04/13/18 00:15 CST	0	High Wind (MAX 73 kt)
04/13/18 19:20 CST	0	

Increasing southwesterly winds aloft ahead of an approaching shortwave trough resulted in strong winds over portions of West Texas on Thursday. The upper trough moving overhead on Friday resulted in stronger winds.

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<b>(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY</b>				
	04/17/18 10:51 MST	0		High Wind (MAX 57 kt)
	04/17/18 23:38 MST	0		
<b>Strong mid level winds at the base of a passing upper trough resulted in high winds across the Guadalupe Mountains and adjacent plains.</b>				
<b>(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY</b>				
	04/19/18 06:51 MST	0		High Wind (MAX 54 kt)
	04/20/18 17:51 MST	0		
<b>Strong easterly winds through Guadalupe Pass were followed by strong westerly winds due to a passing upper trough.</b>				
<b>(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY</b>				
	04/24/18 23:51 MST	0		High Wind (MAX 36 kt)
	04/25/18 01:51 MST	0		
<b>Strong easterly gap winds occurred through Guadalupe Pass behind a late season cold front.</b>				
<b>BREWSTER COUNTY --- MARATHON [30.20, -103.25]</b>				
	04/29/18 17:05 CST	0		Hail (1.75 in)
	04/29/18 17:10 CST	0		Source: Social Media
<b>BREWSTER COUNTY --- MARATHON [30.20, -103.25]</b>				
	04/29/18 17:55 CST	0		Hail (1.00 in)
	04/29/18 18:00 CST	0		Source: Public
<b>BREWSTER COUNTY --- 1.0 NE ALPINE [30.38, -103.66]</b>				
	04/29/18 18:35 CST	0		Hail (1.50 in)
	04/29/18 18:40 CST	0		Source: Trained Spotter
<b>BREWSTER COUNTY --- 2.0 NNE ALPINE [30.40, -103.66]</b>				
	04/29/18 18:45 CST	0		Hail (1.75 in)
	04/29/18 18:50 CST	0		Source: Social Media
<b>An upper trough was approaching the region, and a surface trough had developed across West Texas and southeast New Mexico. Unstable conditions across the area had resulted from the air heating up at the surface. These conditions contributed to thunderstorms with large hail developing in Brewster County.</b>				

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*A thunderstorm moved over Alpine, TX and produced golfball sized hail. Photo is courtesy of Zana Moore.*

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**PECOS COUNTY --- FT STOCKTON [30.88, -102.87]**

04/30/18 16:10 CST	0	Hail (0.88 in)
04/30/18 16:20 CST	0	Source: Public

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**PECOS COUNTY --- FT STOCKTON [30.88, -102.87]**

04/30/18 16:21 CST	0	Hail (1.00 in)
04/30/18 16:26 CST	0	Source: Public

An upper trough was present to the west of the region with a dryline across West Texas which provided a source of lift. There was decent instability, moisture, and wind shear across the area. These conditions contributed to a thunderstorm producing hail in Pecos County.