

## Storm Data and Unusual Weather Phenomena - December 2009

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, (NM-Z029) NORTHERN LEA COUNTY

12/01/09 00:00 MST	0	Winter Storm
12/01/09 07:00 MST	0	

A strong upper level low moved over New Mexico, and along with a strong cold front, resulted in a mix of rain, freezing rain, sleet and snow across southeast New Mexico and west Texas.

(NM-Z027) GUADALUPE MOUNTAINS OF EDDY COUNTY, (NM-Z028) EDDY COUNTY PLAINS, (NM-Z029) NORTHERN LEA COUNTY, (NM-Z033) CENTRAL LEA COUNTY, (NM-Z034) SOUTHERN LEA COUNTY

12/03/09 02:00 MST	0	Winter Weather
12/04/09 08:00 MST	0	

A cold airmass encompassed southeast New Mexico and west Texas on 12/03/09. A shortwave trough translated eastward over the region on the night of the 3rd and resulted in 1 to 3 inches of snow across the region.

(NM-Z027) GUADALUPE MOUNTAINS OF EDDY COUNTY, (NM-Z028) EDDY COUNTY PLAINS, (NM-Z029) NORTHERN LEA COUNTY, (NM-Z033) CENTRAL LEA COUNTY, (NM-Z034) SOUTHERN LEA COUNTY

12/08/09 09:43 MST	60.50K	High Wind (MAX 68 kt)
12/09/09 09:53 MST	0	

A strong upper level trough moved over the southern Rocky Mountains and southern U.S. Plains. Very strong mid level winds at the base of this upper trough mixed down to the surface and resulted in strong winds across the mountains and plains of southeast New Mexico and west Texas.

(NM-Z027) GUADALUPE MOUNTAINS OF EDDY COUNTY, (NM-Z028) EDDY COUNTY PLAINS, (NM-Z029) NORTHERN LEA COUNTY

12/29/09 04:00 MST	0	Heavy Snow
12/29/09 12:30 MST	0	

A strong upper level storm system moved over southeast New Mexico and west Texas late on 12/28/09 and early on 12/29/09. Cold air over the region combined with this upper storm system to produce a variety of winter weather across southeast New Mexico and west Texas, in addition to snow over the Guadalupe Mountains and southeast New Mexico plains.

### TEXAS, West

(TX-Z074) DAVIS / APACHE MOUNTAINS AREA

12/01/09 00:00 CST	0	Winter Storm
12/01/09 12:00 CST	0	

(TX-Z080) MARFA PLATEAU

12/01/09 00:00 CST	0	Winter Weather
12/01/09 08:00 CST	0	

A strong upper level low moved over New Mexico, and along with a strong cold front, resulted in a mix of rain, freezing rain, sleet and snow across southeast New Mexico and west Texas.

(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY

12/01/09 00:02 MST	0	High Wind (MAX 36 kt)
12/01/09 01:21 MST	0	

Gap winds through Guadalupe Pass followed a strong cold front on this day.

(TX-Z045) GAINES, (TX-Z046) DAWSON, (TX-Z050) ANDREWS, (TX-Z051) MARTIN, (TX-Z052) HOWARD, (TX-Z058) REEVES COUNTY AND UPPER TRANS PECOS, (TX-Z060) WINKLER, (TX-Z061) ECTOR, (TX-Z062) MIDLAND, (TX-Z063) GLASSCOCK, (TX-Z069) UPTON, (TX-Z070) REAGAN, (TX-Z074) DAVIS / APACHE MOUNTAINS AREA, (TX-Z075) PECOS, (TX-Z082) TERRELL

12/03/09 20:45 CST	0	Winter Weather
12/04/09 11:00 CST	3	0

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<b>(TX-Z057) VAN HORN &amp; HWY 54 CORRIDOR, (TX-Z058) REEVES COUNTY AND UPPER TRANS PECOS, (TX-Z074) DAVIS / APACHE MOUNTAINS AREA, (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY</b>				
	12/03/09 21:00 MST		0	Winter Storm
	12/04/09 11:00 MST		0	
<b>(TX-Z057) VAN HORN &amp; HWY 54 CORRIDOR, (TX-Z058) REEVES COUNTY AND UPPER TRANS PECOS, (TX-Z074) DAVIS / APACHE MOUNTAINS AREA, (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY</b>				
	12/03/09 21:00 CST		0	Winter Storm
	12/04/09 14:00 CST		0	
<b>A cold airmass encompassed southeast New Mexico and west Texas on 12/03/09. A shortwave trough translated eastward over the region on the night of the 3rd and resulted in 1 to 3 inches of snow across the region.</b>				
<b>(TX-Z074) DAVIS / APACHE MOUNTAINS AREA, (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY</b>				
	12/05/09 03:00 MST		0	High Wind (MAX 76 kt)
	12/06/09 13:00 MST		0	
<b>(TX-Z074) DAVIS / APACHE MOUNTAINS AREA, (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY</b>				
	12/08/09 09:30 CST		0	High Wind (MAX 76 kt)
	12/09/09 01:55 CST		0	
<b>Strong west winds affected the Guadalupe Mountains as an upper level trough translated east through New Mexico.</b>				
<b>(TX-Z062) MIDLAND</b>				
	12/07/09 18:00 CST		0	Winter Weather
	12/08/09 09:00 CST		0	
<b>Isentropic upglide increased over a dome of subfreezing air at the surface during the day and night of 12/07/09. Freezing drizzle and freezing fog resulted with roadways over west Texas becoming icy.</b>				
<b>(TX-Z045) GAINES, (TX-Z046) DAWSON, (TX-Z050) ANDREWS, (TX-Z058) REEVES COUNTY AND UPPER TRANS PECOS, (TX-Z060) WINKLER, (TX-Z061) ECTOR, (TX-Z062) MIDLAND, (TX-Z074) DAVIS / APACHE MOUNTAINS AREA, (TX-Z081) BIG BEND AREA, (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY</b>				
	12/08/09 01:00 MST		40K	High Wind (MAX 97 kt)
	12/10/09 01:05 MST		0	
<b>(TX-Z045) GAINES, (TX-Z046) DAWSON, (TX-Z050) ANDREWS, (TX-Z058) REEVES COUNTY AND UPPER TRANS PECOS, (TX-Z060) WINKLER, (TX-Z061) ECTOR, (TX-Z062) MIDLAND, (TX-Z074) DAVIS / APACHE MOUNTAINS AREA, (TX-Z081) BIG BEND AREA, (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY</b>				
	12/08/09 07:50 CST		21.70K	High Wind (MAX 97 kt)
	12/09/09 01:55 CST		0	
<b>A strong upper level trough moved over the southern Rocky Mountains and southern U.S. Plains. Very strong mid level winds at the base of this upper trough mixed down to the surface and resulted in strong winds across the mountains and plains of southeast New Mexico and west Texas.</b>				
<b>(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY</b>				
	12/13/09 09:00 MST		0	High Wind (MAX 57 kt)
	12/13/09 22:00 MST		0	
<b>Strong mid level westerly winds at the base of a shortwave trough passing through New Mexico resulted in sporadic, strong winds in the higher elevations of the Guadalupe Mountains.</b>				
<b>(TX-Z074) DAVIS / APACHE MOUNTAINS AREA, (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY</b>				
	12/22/09 13:00 MST		0	High Wind (MAX 61 kt)
	12/23/09 04:00 MST		0	
<b>(TX-Z074) DAVIS / APACHE MOUNTAINS AREA, (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY</b>				

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	12/23/09 16:05 CST		0	High Wind (MAX 61 kt)
	12/23/09 20:25 CST		0	

A strong upper level storm system moved over central New Mexico and resulted in strong winds across the Guadalupe and Davis Mountains of west Texas.

**(TX-Z046) DAWSON, (TX-Z047) BORDEN, (TX-Z048) SCURRY, (TX-Z053) MITCHELL, (TX-Z074) DAVIS / APACHE MOUNTAINS AREA**

12/23/09 15:00 CST	0	Heavy Snow
12/24/09 09:00 CST	0	

A strong upper level storm system moved across southeast New Mexico and west Texas on the morning of 12/24/09. Cold air deepened over the area on the night of the 23rd, but temperatures were cold enough for accumulating snow in the higher elevations of the Guadalupe and Davis Mountains during the day on the 23rd. The accumulating snowfall spread eastward overnight and lasted much of the morning of the 24th.

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

12/28/09 09:51 MST	0	High Wind (MAX 41 kt)
12/28/09 20:51 MST	0	

Cold air damming along the eastern slopes of the Guadalupe Mountains, in addition to a tight surface pressure gradient behind a strong cold front, resulted in sustained northeast wind speeds of 40 to 47 MPH through Guadalupe Pass for several hours.

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

12/30/09 08:00 MST	0	High Wind (MAX 57 kt)
12/31/09 02:00 MST	0	

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

12/31/09 02:00 CST	0	High Wind (MAX 57 kt)
12/31/09 11:25 CST	0	

Strong mid level winds at the base of a shortwave trough moving across New Mexico resulted in strong winds in the Guadalupe and Davis Mountains.