

Storm Data and Unusual Weather Phenomena - October 2009

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

LEA COUNTY --- 0.7 S MC DONALD [33.12, -103.32]

	10/07/09 21:26 MST		2K	Thunderstorm Wind (EG 61 kt)
	10/07/09 21:27 MST		0	Source: Utility Company

A power pole was knocked down between the cities of Tatum and Lovington, NM. The exact location of the report was not available. Therefore, the location was estimated according to radar.

Deep moisture advection across southeast New Mexico, strong upper level lift and substantial deep layer shear resulted in strong to severe thunderstorms.

TEXAS, West

(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY

	10/01/09 08:00 MST		0	High Wind (MAX 52 kt)
	10/01/09 08:05 MST		0	

A band of strong mid-level winds, associated with an upper level low, moved over the Guadalupe Mountains of West Texas.

BREWSTER COUNTY --- 31.8 S ALPINE [29.91, -103.67]

	10/04/09 22:22 CST		2K	Thunderstorm Wind (EG 61 kt)
	10/04/09 22:24 CST		0	Source: Utility Company

A transmission power pole was reported down along State Highway 118.

Thunderstorm coverage increased during the afternoon on this day, as an upper level disturbance moved overhead and combined with a surface boundary draped across the region.

(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY

	10/05/09 10:00 MST		0	High Wind (MAX 59 kt)
	10/05/09 10:05 MST		0	

The highest terrain across the Guadalupe Mountains experienced brief high winds a weak mid to upper level disturbance passed overhead.

BREWSTER COUNTY --- 1.5 SSE LAJITAS [29.26, -103.77]

	10/07/09 16:45 CST		0	Hail (1.75 in)
	10/07/09 16:47 CST		0	Source: Public

BREWSTER COUNTY --- 1.3 SSE LAJITAS [29.26, -103.77], 0.8 SSW TERLINGUA [29.32, -103.60]

	10/07/09 17:00 CST		40K	Thunderstorm Wind (EG 78 kt)
	10/07/09 17:25 CST		0	Source: Utility Company

Rio Grande Electric Coop and the public reported wind damage from Lajitas, TX to Terlingua, TX. The severe winds first damaged the roof of a home and 6 power poles in Lajitas around 1700 CST. As the storm moved northeastward, it snapped 4 more power poles along State Highway 170 from Lajitas to Terlingua.

BREWSTER COUNTY --- 1.0 N TERLINGUA [29.34, -103.60]

	10/07/09 17:09 CST		0	Hail (2.50 in)
	10/07/09 17:11 CST		0	Source: Trained Spotter

BREWSTER COUNTY --- 7.2 NW CASTOLON [29.20, -103.61], 6.9 S TERLINGUA ARPT [29.22, -103.57], 6.0 NNW CASTOLON [29.22, -103.54], 4.9 NNW CASTOLON [29.20, -103.54], 5.6 NW CASTOLON [29.18, -103.59]

	10/07/09 17:39 CST		0	Flash Flood (due to Heavy Rain)
	10/07/09 19:39 CST		0	Source: Park/Forest Service

Due to heavy rain, Terlingua Creek rapidly filled in the Big Bend National Park. Water up to 2 1/2 feet in depth covered roadways in the park. The roads were barricaded by park officials.

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BREWSTER COUNTY --- PANTHER JUNCTION [29.30, -103.30]				
	10/07/09 18:20 CST		20K	Thunderstorm Wind (EG 75 kt)
	10/07/09 18:25 CST		0	Source: Utility Company

Rio Grande Electric Coop reported 2 power poles were downed near Panther Junction, TX. The severe winds also damaged a roof to a hotel/lodge near the same area.

BREWSTER COUNTY --- PANTHER JUNCTION [29.30, -103.30]				
	10/07/09 18:25 CST		0	Hail (1.75 in)
	10/07/09 18:27 CST		0	Source: Other Federal Agency

Afternoon heating along a surface boundary, sufficient moisture in place and deep layer shear resulted in severe thunderstorm development during the evening hours.

GLASSCOCK COUNTY --- GARDEN CITY [31.87, -101.50]				
	10/08/09 16:23 CST		0	Hail (1.00 in)
	10/08/09 16:26 CST		0	Source: Law Enforcement

GLASSCOCK COUNTY --- 8.1 W ST LAWRENCE [31.65, -101.64], 7.5 W ST LAWRENCE [31.68, -101.63]				
	10/08/09 17:40 CST		0.16M	Thunderstorm Wind (EG 70 kt)
	10/08/09 18:20 CST		0	Source: Public

Damaging winds, estimated to be near 80 mph and measured at 73 mph by a local resident, first snapped power poles near State Highway 137 over extreme northwestern Reagan County Texas around 1740 CST. As the storm progressed north northeastward, a residence along State Highway 137 (just south of the county line) also sustained damage to its property near 1745 CST. Numerous tree branches, some 8 to 12 inches in diameter, were snapped. Two windows on the southwest corner of the home were also broken by the strong winds, and a windmill near the back of the home was bent in half. From 1810 to 1820 CST, the storm continued north northeastward and snapped/downed multiple power poles. The most significant damage caused by the storm was at a residence along Farm Road 2401 about 1 mile east of the SH137/FM2401 intersection. Here, large pine tree branches about one foot in diameter were snapped near the top of the tree. A large A-frame metal barn was also heavily damaged, with both doors bent from a south to north direction. The winds funneled through this structure and pushed a 4 ton trailer about 60 feet outside of the building. This was near the end of the damage path around 1820 CST. Overall, 60 or more power poles were damaged during this event.

GLASSCOCK COUNTY --- 4.5 WNW ST LAWRENCE [31.69, -101.57]				
	10/08/09 17:45 CST		60K	Hail (2.50 in)
	10/08/09 17:50 CST		2M	Source: Public

A Texas Tech Mesonet extension agent reported tennis ball size hail and extensive hail damage to sorghum and cotton crops near the area. Public reports indicated over 4500 acres of cotton were destroyed by the hail. In addition, 1000 acres of sorghum were destroyed. Several homes also sustained roof damage from the large hail.

Deep upper lift associated with an approaching storm system and cold front moved into West Texas during the evening hours. Low level moisture ahead of these two features and strong deep layer shear in place resulted in severe thunderstorm development across portions of West Texas.

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This image shows several sorghum crops that were damaged by tennis ball size hail about 4 miles west of Saint Lawrence, TX. This photo was taken by Ryan Barnes, WFO Midland Assistant WCM.

CULBERSON COUNTY --- 2.1 NNW (GDP)GUADALUPE PASS [31.83, -104.81]

10/20/09 21:09 CST	0		Thunderstorm Wind (MG 58 kt)
10/20/09 21:12 CST	0		Source: ASOS

A few strong storms developed during the evening hours across portions of West Texas near the Guadalupe Mountains, as a weak upper level disturbance moved overhead.

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

10/27/09 14:00 MST	0		High Wind (MAX 68 kt)
10/28/09 11:07 MST	0		

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

10/28/09 14:55 CST	25K		High Wind (MAX 68 kt)
10/29/09 10:45 CST	0		

A potent upper level storm system passed near the region resulting in several high wind observations across the mountainous terrain of West Texas during a 48 hour time span.