

Storm Data and Unusual Weather Phenomena - September 2010

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

EDDY COUNTY --- 1.7 NNE HAPPY VLY [32.44, -104.26], 0.9 ESE LA HUERTA [32.44, -104.21], 1.5 ESE CARLSBAD [32.41, -104.21], 0.9 SSE HAPPY VLY [32.41, -104.26]

	09/22/10 16:10 MST	5K	Flash Flood (due to Heavy Rain)
	09/22/10 20:50 MST	0	Source: Trained Spotter

At 4:10 PM MST, a trained weather spotter relayed a report of up to 1 1/2' of water on Mesa Street in Carlsbad. A car was also stalled/flooded at the intersection of Blodgett and Mesquite Street. Flooding continued almost through 9:00 PM MST across Carlsbad. One foot of flowing water was reported to be flowing over Blodgett and Pate Streets at 8:40 PM MST.

EDDY COUNTY --- 4.9 WSW (CNM)CARLSBAD ARPT [32.29, -104.34], 5.3 WSW (CNM)CARLSBAD ARPT [32.29, -104.35], 5.4 WSW (CNM)CARLSBAD ARPT [32.29, -104.35], 5.2 WSW (CNM)CARLSBAD ARPT [32.29, -104.34]

	09/23/10 05:25 MST	5K	Flash Flood (due to Heavy Rain)
	09/23/10 07:25 MST	0	Source: Trained Spotter

Heavy rain occurred across Eddy county with 2.5 to 3 feet of flowing water across Dark canyon road and Hidalgo road. This contributed to a high water rescue.

Remnants of Tropical Depression Georgette moved inland from the Gulf of California and near west Texas providing moisture across the region, as a mid-level shortwave trough moved through southeast New Mexico and west Texas. The high moisture content contributed to torrential rains from showers and thunderstorms. This activity moved across the same locations resulting in flooding.

TEXAS, West

ECTOR COUNTY --- 2.5 WNW ODESSA ECTOR CO ARPT [31.93, -102.42], 2.3 WNW ODESSA ECTOR CO ARPT [31.93, -102.42]

	09/01/10 15:15 CST	0	Tornado (EF0, L: 0.27 mi , W: 50 yd)
	09/01/10 15:16 CST	0	Source: Public

Near 3:15 PM CST, the public reported a tornado near the end of Perry Avenue in Odessa, TX. The tornado only lasted about one minute and there was no evidence of any significant damage, although some pump jacks and dumpsters were shaken about. This tornado, and its size, was estimated to be an EF0 according to several public storm reports.

(TX-Z046) DAWSON

	09/01/10 16:02 CST	20K	High Wind (MAX 61 kt)
	09/01/10 16:30 CST	0	

REAGAN COUNTY --- 6.3 N STILES [31.49, -101.57]

	09/01/10 18:45 CST	0	Thunderstorm Wind (EG 52 kt)
	09/01/10 18:47 CST	0	Source: Trained Spotter

A trained spotter reported his flag was partially torn by the wind gust. A 6 foot long tree branch was also found broken near State Highway 137.

Copious amounts of moisture along with sources of lift allowed for severe thunderstorms to develop in west Texas. A surface low formed across the eastern portions of New Mexico and western Texas. This resulted in convergence and instability for storms to develop.

ECTOR COUNTY --- 1.4 WNW GREENFIELD ACRES [31.88, -102.42]

	09/02/10 16:18 CST	0	Hail (1.00 in)
	09/02/10 16:40 CST	0	Source: Fire Department/Rescue

Hail was reported by the West Odessa volunteer fire department.

A cold front moved through the area providing a focusing mechanism for storms to develop. With abundant moisture and adequate instability already in place, severe hail occurred across the central portions of the Texas Permian Basin.

DAWSON COUNTY --- 4.3 SE LAMESA [32.68, -101.91], 4.9 SSE LAMESA MUNI ARPT [32.69, -101.88]

	09/09/10 18:10 CST	50K	Thunderstorm Wind (EG 70 kt)
	09/09/10 18:20 CST	0	Source: NWS Storm Survey

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Significant wind damage was observed within an area 5 miles southeast of Lamesa. Several power poles were knocked over and damaged, trees were uprooted, a large barn and carport were destroyed, and a center pivot irrigation system was flipped over.

DAWSON COUNTY --- 4.5 SE LAMESA [32.68, -101.90]

	09/09/10 18:10 CST	0		Hail (1.00 in)
	09/09/10 18:12 CST	0		Source: Public

An unstable air-mass was in place across the area this day, with hot temperatures and plentiful moisture. A shortwave trough moved through the area initiating thunderstorm development. These storms went on to produce severe hail and damaging wind gusts.

GAINES COUNTY --- 7.9 ESE SEMINOLE [32.69, -102.52]

	09/15/10 14:23 CST	0		Tornado (EF0, L: 0.10 mi , W: 30 yd)
	09/15/10 14:24 CST	0		Source: Trained Spotter

A brief land spout was observed southeast of Seminole, TX. It only persisted for a minute or less, and did no damage.

Although very weak upper level winds were present this day, there was enough surface based instability present beneath a slowly moving mid-level shortwave trough to produce isolated thunderstorms across southwest Texas. A very brief landspout was observed near Seminole, TX.



A land spout near Seminole, TX around 3:23 PM CDT. This photo was provided and taken by Robert Barrett.

CULBERSON COUNTY --- 15.3 ENE PINE SPGS [32.00, -104.58], 20.0 ENE PINE SPGS [32.00, -104.49], 18.1 ENE PINE SPGS [31.99, -104.52], 16.2 ENE PINE SPGS [31.99, -104.56]

	09/23/10 07:40 CST	0		Flash Flood (due to Heavy Rain / Tropical System)
	09/23/10 08:40 CST	0		Source: Trained Spotter

Heavy rain caused flooding in northern Culberson county. This flooding took place 16 miles south of whites City where arroyos and streams were flooded as well as low water crossings.

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MITCHELL COUNTY --- 9.8 E SPADE [32.26, -100.80], 13.5 ESE SPADE [32.21, -100.74], 14.6 ESE SPADE [32.15, -100.75], 10.6 ESE SPADE [32.20, -100.80]

09/25/10 11:30 CST	0	Flash Flood (due to Heavy Rain)
09/25/10 12:00 CST	0	Source: Trained Spotter

Heavy rain fell across Mitchell County with 18 inches of flowing water across portions of SH 208 south of FM 644.

MIDLAND COUNTY --- 1.3 NNE MIDLAND [32.02, -102.07], 3.4 N MIDLAND [32.05, -102.08], 5.0 WNW MIDLAND [32.03, -102.15], 4.8 N (MAF) MIDLAND INTL [32.00, -102.21], 2.5 NNE (MAF) MIDLAND INTL [31.96, -102.19]

09/25/10 14:23 CST	0	Flash Flood (due to Heavy Rain)
09/25/10 15:00 CST	0	Source: Trained Spotter

Flash flooding was observed by trained spotters in and around the city of Midland, TX. Water was flowing over the curbs at several locations.

A nearly stationary boundary was present over the western portions of the Low Rolling Plains and the eastern portions of the Texas Permian Basin this day. Surface convergence along this boundary combined with a mid-level shortwave trough moving over the area to create lift for showers and thunderstorms to develop. Due to the plentiful moisture across the area and rainfall moving over the same areas, flash flooding was observed.