

Storm Data and Unusual Weather Phenomena - July 2010

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

EDDY COUNTY --- 1.1 SSW CARLSBAD [32.40, -104.24], 0.8 NNW CARLSBAD [32.43, -104.24], 0.4 ENE CARLSBAD [32.42, -104.22], 1.0 SSE CARLSBAD [32.41, -104.22]				
	07/12/10 00:00 MST	0		Flash Flood (due to Heavy Rain)
	07/12/10 01:00 MST	0		Source: Law Enforcement

The Carlsbad, NM Police Department reported high water across southern portions of the city. Several streets were impassable, with the water covering the hood of one car. Most streets within southern Carlsbad were blockaded by law enforcement.

The remnants of Tropical Depression #2 passed over southeast New Mexico during the overnight hours, producing copious amounts of rainfall.

EDDY COUNTY --- 3.3 NNW ILLINOIS CAMP [32.89, -104.43]				
	07/15/10 15:05 MST	0		Hail (1.75 in)
	07/15/10 15:10 MST	0		Source: Fire Department/Rescue

EDDY COUNTY --- 12.3 SE QUEEN [32.06, -104.60]				
	07/15/10 17:15 MST	0		Hail (1.75 in)
	07/15/10 17:20 MST	0		Source: Trained Spotter

An instability axis over southeast New Mexico, in combination with remnant outflow boundaries, resulted in isolated severe thunderstorms developing during the evening hours.

EDDY COUNTY --- 1.9 S ESPUELA [32.89, -104.38]				
	07/15/10 16:01 MST	0		Tornado (EF0, L: 0.10 mi , W: 30 yd)
	07/15/10 16:02 MST	0		Source: Trained Spotter

A brief land spout tornado developed on the north end of Artesia, NM. The exact location of this tornado was estimated according to the spotter's description. No damage was done, and it only persisted for about 1 minute.

Isolated thunderstorms developed underneath a band of higher mid-level moisture. In addition, very moist conditions near the surface resulted in modest surface based instability across southeast New Mexico. Although the environment was not favored for tornado development, a very brief landspout was observed in Eddy County.

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A land spout observed July 15 around 4 PM MST on the northern end of Artesia, NM. Photo courtesy of Craig Pearson.

TEXAS, West

GAINES COUNTY --- 5.0 E SEAGRAVES [32.93, -102.46], 3.4 SE SEAGRAVES ARPT [32.92, -102.48], 2.0 WSW LOOP [32.91, -102.45], 1.1 WNW LOOP [32.92, -102.44]

07/03/10 19:10 CST	0	Flash Flood (due to Heavy Rain)
07/03/10 20:10 CST	0	Source: Emergency Manager

The Gaines County Emergency Manager reported water running over US Highway 83 about 5 miles east of Seagraves. The depth of the water was not reported.

PECOS COUNTY --- SHEFFIELD [30.67, -101.83], 2.4 ENE SHEFFIELD [30.69, -101.79], 2.1 N SHEFFIELD [30.70, -101.83], 1.5 NW SHEFFIELD [30.69, -101.85]

07/04/10 05:10 CST	0	Flash Flood (due to Heavy Rain)
07/04/10 06:30 CST	0	Source: COOP Observer

At 510 AM CST, a COOP observer reported significant flooding in and around Sheffield, TX. Highway 349 just south of Sheffield was impassable and closed due to high water.

TERRELL COUNTY --- (P07)SANDERSON [30.15, -102.40], 1.0 SW (P07)SANDERSON [30.14, -102.41], 1.6 SSE (P07)SANDERSON [30.13, -102.39], 1.6 ESE (P07)SANDERSON [30.14, -102.38]

07/04/10 05:10 CST	0	Flash Flood (due to Heavy Rain)
07/04/10 06:30 CST	0	Source: COOP Observer

Over 1 foot of standing water was present on the Sanderson High School football field. Several roadways were also closed due to high water throughout Sanderson, TX.

Deep tropical moisture in place across west Texas combined with a mid level shortwave trough to produce numerous showers and thunderstorms. These showers and thunderstorms were very efficient at producing large amounts of rainfall due to the unseasonably high moisture content available.

UPTON COUNTY --- MC CAMEY [31.13, -102.23], 0.5 NW MC CAMEY [31.14, -102.24], 1.1 NNE MC CAMEY [31.15, -102.22], 1.7 NE MC CAMEY UPTON CO AR [31.13, -102.20], 0.0 N MC CAMEY UPTON CO AR [31.12, -102.22]

07/08/10 21:00 CST	20K	Flash Flood (due to Heavy Rain)
07/08/10 22:00 CST	0	Source: Public

A local gas station reported flooding across McCamey, TX. The water was high enough to move into both the middle school and elementary school.

An early season cold front stalled across the region during the evening hours. Very moist conditions combined with the front and a mid level disturbance to produce numerous showers and thunderstorms. Very heavy rainfall was observed across the Trans Pecos region of Texas resulting in one flash flood report.