Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details

TEXAS, West

JEFF DAVIS COUNTY --- 10.4 NW FT DAVIS [30.67, -104.02]

	08/08/10 13:30 CST	0	Thunderstorm Wind (MG 52 kt)
	08/08/10 13:35 CST	0	Source: COOP Observer

JEFF DAVIS COUNTY --- 1.8 NW FT DAVIS [30.60, -103.90]

	08/09/10 13:54 CST	0	Hail (1.00 in)
	08/09/10 13:59 CST	0	Source: Public

BREWSTER COUNTY --- 11.0 NE ALPINE TERLINGUA ARP [29.56, -103.27]

	08/09/10 16:20 CST	0	Hail (1.00 in)
	08/09/10 16:25 CST	0	Source: Trained Spotter

MARTIN COUNTY --- 10.4 WNW TARZAN [32.34, -102.14], 6.4 E LENORAH [32.31, -101.76], 6.3 ESE LENORAH [32.27, -101.77], 9.4 W TARZAN [32.30, -102.13]

	08/09/10 20:05 CST	0	Flash Flood (due to Heavy Rain)
	08/09/10 22:30 CST	0	Source: Department of Highways

At 2005 CST, a spotter first reported 6 to 8 inches of flowing water over portions of SH 137, just north of SH 176, in Martin County. Water was also running over FM 846 east of SH 137. About an hour later, TXDOT closed SH 176 in Martin County from near the Martin County line east to the Howard County line. Several motorists were stranded in high water along the highway.

Intense surface heating beneath an upper level ridge resulted in unstable conditions across west Texas. This, combined with an embedded mid level shortwave trough passing overhead and surface convergence along a lee trough, resulted in scattered thunderstorm development. Although the deep layer shear was fairly weak, a few storms managed to produce large amounts of small hail and some quarter inch hail. In addition, the slow movement of the storms resulted in flash flooding in Martin County Texas.

PRESIDIO COUNTY --- 5.0 WSW PRESIDIO BIG BEND AR [29.29, -103.90]

	08/15/10 18:30 CST	0	Hail (1.00 in)
	08/15/10 18:35 CST	0	Source: Trained Spotter

An unseasonably moist environment developed near and south of the Davis Mountains of west Texas and when combined with daytime heating, resulted in unstable conditions throughout the afternoon hours east of an upper level low across northern Mexico. Although most of the activity remained below severe limits due to high freezing levels, one storm did manage to produce severe hail.

REEVES COUNTY --- PECOS [31.42, -103.48], 1.6 NNW PECOS [31.44, -103.49], 3.2 W PECOS [31.43, -103.53], 0.9 NNW PECOS MUNI ARPT [31.39, -103.50]

	08/24/10 15:36 CST	0	Flash Flood (due to Heavy Rain)
	08/24/10 16:30 CST	0	Source: Law Enforcement

Several motorists were stranded in high water within the city of Pecos, TX.

PECOS COUNTY --- 3.3 NW IMPERIAL RES [31.30, -102.91], 2.7 NE IMPERIAL RES [31.30, -102.84], 3.1 SE FT STOCKTON [30.85, -102.83], 5.3 WSW FT STOCKTON [30.84, -102.95]

	08/24/10 20:05 CST	0	Flash Flood (due to Heavy Rain)
	08/24/10 20:40 CST	0	Source: Law Enforcement

Several streets in Fort Stockton were impassable due to high water. State Highway 18 from Fort Stockton north to the county line also had water flowing across it.

UPTON COUNTY --- 7.5 NW MC CAMEY [31.20, -102.33], 3.0 SSW MC CAMEY UPTON CO AR [31.08, -102.24], 2.4 E MC CAMEY UPTON CO AR [31.12, -102.18], 7.5 SW RANKIN ARPT [31.15, -102.04], 5.4 NE MC CAMEY [31.18, -102.16]

	08/24/10 20:15 CST	0	Flash Flood (due to Heavy Rain)
	08/24/10 23:30 CST	0	Source: Law Enforcement

Several roadways were flooded within and near the city of McCamey, TX. Six inches of water was reported to be running over many streets in McCamey. Some roadways, including State Highway 67, had at least 1 foot of flowing water over them. Near the end of the event, 2 feet of flowing water was reported on King Mountain Road 5 miles northeast of McCamey.

A cold front in the Davis Mountains and Big Bend region provided a focus for convection to develop. An abundance of moisture across

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the Trans Pecos and Davis Mountains combined with weak mid-level winds. This resulted in many showers and storms developing over the same region. The slow moving to stationary heavy rain eventually resulted in flash flooding along the Trans Pecos region.