

Storm Data and Unusual Weather Phenomena - September 2012

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

EDDY COUNTY --- 1.0 WNW CARLSBAD [32.43, -104.24], 0.7 NE CARLSBAD [32.43, -104.22], 1.3 SSE CARLSBAD [32.40, -104.22], 1.5 SW CARLSBAD [32.40, -104.25]

	09/28/12 13:29 MST	5K	Flash Flood (due to Heavy Rain)
	09/28/12 15:29 MST	0	Source: Law Enforcement

Heavy rain fell across Eddy County and produced flash flooding in Carlsbad. The Carlsbad police department reported that most intersections in Carlsbad were flooded. The cost of damage is a very rough estimate since no damage was reported.

The remains of a tropical storm were across the eastern Pacific near the southern tip of Baja, California. Mid-level flow across the area was from the southwest which allowed for tropical moisture to get transported into the region. Low-level winds were from the southeast which allowed for moisture from the Gulf of Mexico to get advected into the area. This abundance of moisture was combined with instability and various shortwave troughs that moved over the area to provide lift to help sustain heavy rain over West Texas and Southeast New Mexico.

TEXAS, West

(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY

	09/07/12 23:51 MST	0	High Wind (MAX 50 kt)
	09/08/12 14:05 MST	0	

The passage of a strong cold front resulted in high winds through Guadalupe Pass in the Guadalupe Mountains.

GAINES COUNTY --- SEMINOLE [32.72, -102.65]

	09/12/12 22:35 CST	10K	Thunderstorm Wind (EG 48 kt)
	09/12/12 22:36 CST	0	Source: Public

A thunderstorm moved over Gaines County and produced a wind gust estimated to be near 55 mph. This wind gust damaged a theater that was being built at a local school in Seminole. One of the support walls for the theater had collapsed. The cost of the damage is a very rough estimate.

An upper level trough was located over the Southwest United States. A cold front was approaching from the Texas panhandle with a surface trough present across Southeast New Mexico. An upper level disturbance associated with the upper level trough moved over the area and interacted with the cold front to produce thunderstorms.

(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY

	09/13/12 19:26 MST	0	High Wind (MAX 35 kt)
	09/13/12 21:03 MST	0	

Northeast winds behind a strong cold front resulted in high winds in Guadalupe Pass.

BREWSTER COUNTY --- 28.0 E MARATHON [30.20, -102.78]

	09/25/12 18:15 CST	0	Hail (0.75 in)
	09/25/12 18:25 CST	0	Source: Public

A thunderstorm moved over Brewster County and produced eight inches to one foot of marble to penny sized hail.

GLASSCOCK COUNTY --- 8.0 N GARDEN CITY [31.99, -101.50]

	09/25/12 18:20 CST	0	Hail (1.00 in)
	09/25/12 18:25 CST	0	Source: Public

HOWARD COUNTY --- 8.0 S BIG SPRING [32.13, -101.47]

	09/25/12 18:32 CST	0	Hail (1.00 in)
	09/25/12 18:37 CST	0	Source: Public

A dryline was present across the Permian Basin and Trans Pecos region. Across the Trans Pecos, instability and moisture values combined with elevated terrain provided an environment conducive for thunderstorm development.

PECOS COUNTY --- COYANOSA [31.17, -103.00]

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	09/26/12 15:10 CST		0	Hail (1.00 in)
	09/26/12 15:15 CST		0	Source: Public
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MARTIN COUNTY --- 13.0 NW TARZAN [32.43, -102.13]				
	09/26/12 16:50 CST		0	Thunderstorm Wind (EG 52 kt)
	09/26/12 16:51 CST		0	Source: Public
A thunderstorm moved over Martin County and produced a 60 mph wind gust thirteen miles northwest of Tarzan.				
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MARTIN COUNTY --- 13.0 NW TARZAN [32.43, -102.13]				
	09/26/12 16:50 CST		0	Hail (1.00 in)
	09/26/12 16:55 CST		0	Source: Public
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ECTOR COUNTY --- GARDENDALE [32.00, -102.42]				
	09/26/12 17:00 CST		0	Hail (2.00 in)
	09/26/12 17:05 CST		0	Source: Post Office
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MARTIN COUNTY --- 3.0 SE FLOWER GROVE [32.47, -101.84]				
	09/26/12 17:40 CST		0	Thunderstorm Wind (EG 52 kt)
	09/26/12 17:41 CST		0	Source: Trained Spotter
A thunderstorm moved over Martin County and produced a 50 to 60 mph wind gust in northeast Martin County.				
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MARTIN COUNTY --- 14.0 NE TARZAN [32.44, -101.80]				
	09/26/12 18:25 CST		0	Thunderstorm Wind (EG 52 kt)
	09/26/12 18:26 CST		0	Source: Trained Spotter
A thunderstorm moved over Martin County and produced a 50 to 60 mph wind gust in northeast Martin County.				
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An upper level low was present to the west across the western edge of the Rocky Mountains. This low was helping to bring in moisture across the area from a tropical storm. There was low-level wind convergence and instability across West Texas which contributed to thunderstorm development.				
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PECOS COUNTY --- 9.9 NW FT STOCKTON ARPT FST [31.02, -103.04], 6.5 SSW COYANOSA [31.08, -103.04], 8.1 SW COYANOSA [31.08, -103.09], 11.4 SSW COYANOSA [31.02, -103.09]				
	09/28/12 01:21 CST		2K	Flash Flood (due to Heavy Rain)
	09/28/12 01:41 CST		0	Source: Law Enforcement
Heavy rain moved over Pecos County and produced flash flooding along Highway 1776. A vehicle was swept off the road, and two women were rescued. The cost of damage is a very rough estimate.				
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ECTOR COUNTY --- 4.6 NE ODESSA ECTOR CO ARPT [31.96, -102.32], 5.6 S GOLDSMITH [31.90, -102.62], 3.6 ESE PENWELL [31.71, -102.54], 7.4 ESE ODESSA [31.82, -102.25]				
	09/28/12 04:55 CST		1.50M	Flash Flood (due to Heavy Rain)
	09/28/12 21:30 CST		0	Source: Broadcast Media
Heavy rain developed and moved over Ector County and produced widespread flooding in the City of Odessa. There were numerous reports of stalled vehicles and about 120 water rescues among Midland and Odessa. The cost of damage for the flooding in Odessa is estimated to be around one and a half million dollars which is a very rough estimate. There were no injuries reported.				
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MIDLAND COUNTY --- 6.0 WNW MIDLAND [32.03, -102.18], 2.6 E (MAF) MIDLAND INTL [31.92, -102.16], 4.1 ESE MIDLAND [31.97, -102.02], 5.2 NNE MIDLAND [32.07, -102.04]				
	09/28/12 04:55 CST		1.50M	Flash Flood (due to Heavy Rain)
	09/28/12 21:30 CST		0	Source: Broadcast Media
Heavy rain developed and moved over Midland County and produced widespread flooding in the City of Midland. There were numerous reports of stalled vehicles and about 120 water rescues among Midland and Odessa. Some vehicles were reported to be fully submerged. The cost of damage for the flooding in Midland is estimated to be around one and a half million dollars which is a very rough estimate. There were no injuries reported.				
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HOWARD COUNTY --- 3.4 NNW SETTLERS ADDITION [32.28, -101.54], 1.4 W (BGS)BIG SPRING ARPT [32.30, -101.45], 3.3 ESE BIG SPRING [32.23, -101.42], 2.0 S SETTLERS ADDITION [32.20, -101.52]				

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	09/28/12 06:30 CST		0.60M	Flash Flood (due to Heavy Rain)
	09/28/12 11:40 CST		0	Source: Law Enforcement

Heavy rain moved over Howard County and produced flash flooding over Big Spring and portions of rural Howard County. Numerous vehicles were stranded in Big Spring. The cost of damage of six hundred thousand dollars is a very rough estimate. There were no injuries reported.

MITCHELL COUNTY --- 6.0 S WESTBROOK [32.26, -101.02], 1.8 NNW SPADE [32.27, -100.99], 0.8 NW SPADE [32.26, -100.98], 2.6 W SPADE [32.25, -101.01]

	09/28/12 08:30 CST		10K	Flash Flood (due to Heavy Rain)
	09/28/12 08:55 CST		0	Source: Law Enforcement

Heavy rain moved over Mitchell County and produced flash flooding six miles south of Westbrook. Stranded vehicles were reported as a result of this flooding. The cost of damage is a very rough estimate. The crop damage is estimated to be zero since there were no reports of any crop damage. There were no reports of injuries.

The remains of a tropical storm were across the eastern Pacific near the southern tip of Baja, California. Mid-level flow across the area was from the southwest which allowed for tropical moisture to get transported into the region. Low-level winds were from the southeast which allowed for moisture from the Gulf of Mexico to get advected into the area. This abundance of moisture was combined with instability and various shortwave troughs that moved over the area to provide lift to help sustain heavy rain over West Texas and Southeast New Mexico.

Places across the Permian Basin and Trans Pecos had reports of flooding and water rescues. Most of the flooding occurred in the Midland and Odessa areas where the combined damage is estimated to be around three million dollars. The City of Big Spring also reported significant flooding.