

Storm Data and Unusual Weather Phenomena - August 2019

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

(NM-Z034) SOUTHERN LEA COUNTY

08/26/19 12:00 MST		0	Excessive Heat
08/26/19 20:00 MST		0	

A ridge of high pressure accompanied by very dry air moved into west Texas and southeast New Mexico resulting in record breaking triple digit temperatures.

TEXAS, West

PECOS COUNTY --- 1.0 SSE FT STOCKTON [30.87, -102.86]

08/10/19 18:07 CST		0.30M	Thunderstorm Wind (EG 65 kt)
08/10/19 18:08 CST		0	Source: Emergency Manager

A thunderstorm moved across Pecos County and produced wind damage near Fort Stockton. An emergency manager reported three RVs blown over at an RV park along US 285 about a half mile south of Fort Stockton. The cost of damage is a very rough estimate.

An upper level ridge was over the region with hot temperatures across West Texas. This heating increased instability across the area and combined with upslope winds across and near the Davis Mountains. These conditions allowed for a thunderstorm with strong, damaging winds to impact Pecos County.

HOWARD COUNTY --- BIG SPRING [32.25, -101.47]

08/13/19 19:38 CST		0	Hail (1.25 in)
08/13/19 19:43 CST		0	Source: Public

An upper level ridge was over the region with hot temperatures and a frontal boundary across West Texas. There was an area of instability and moisture across the Permian Basin that served as a focus for thunderstorm development with large hail.

BREWSTER COUNTY --- 22.0 N PANTHER JUNCTION [29.62, -103.30]

08/22/19 16:42 CST		0	Thunderstorm Wind (MG 56 kt)
08/22/19 16:42 CST		0	Source: Mesonet

A thunderstorm moved across Brewster County and produced a 64 mph wind gust at Persimmon Gap. It was a delayed report due to the cell tower being down. The Mesonet site also had 1.21 inches of rain with this storm.

PECOS COUNTY --- 10.4 WNW FT STOCKTON ARPT FST [31.00, -103.07], 10.3 WNW FT STOCKTON ARPT FST [31.00, -103.07], 10.5 NW FT STOCKTON ARPT FST [31.01, -103.07], 10.6 NW FT STOCKTON ARPT FST [31.01, -103.07]

08/22/19 21:54 CST		0.50K	Flash Flood (due to Heavy Rain)
08/22/19 22:15 CST		0	Source: Emergency Manager

Heavy rain fell across Pecos County and produced flash flooding south of Coyanosa. There was two feet of water over FM 1776 south of Coyanosa just north of US 285. TXDOT closed the road. The cost of damage is a very rough estimate.

PECOS COUNTY --- 10.7 NW FT STOCKTON ARPT FST [31.01, -103.07], 10.6 NW FT STOCKTON ARPT FST [31.01, -103.07], 10.3 WNW FT STOCKTON ARPT FST [31.00, -103.07], 10.3 WNW FT STOCKTON ARPT FST [31.00, -103.07]

08/22/19 22:15 CST		0.50K	Flash Flood (due to Heavy Rain)
08/23/19 00:15 CST		0	Source: Emergency Manager

Heavy rain fell across Pecos County and produced flash flooding south of Coyanosa. FM 1776/McIntyre Road to US 285 had two and a half feet of water over the road. The road was closed. The cost of damage is a very rough estimate.

A weak upper level ridge was over the region with upper level disturbances which provided lift that moved over the area. There was abundant moisture and weak mid to upper level winds across West Texas. These conditions resulted in thunderstorms that produced strong winds and flash flooding due to slow storm motion.

CRANE COUNTY --- 1.0 NNW CRANE [31.41, -102.36]

08/23/19 18:44 CST		0	Thunderstorm Wind (MG 56 kt)
08/23/19 18:44 CST		0	Source: Mesonet

A thunderstorm moved across Crane County and produced a 64 mph wind gust one mile north northwest of Crane at the Mesonet site.

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A weak upper level trough was over the region. Lingering surface boundaries from thunderstorms the previous night became a focus for thunderstorm development during the afternoon and evening across West Texas. There was a decent amount of low and mid-level moisture across the area. These conditions resulted in a thunderstorm with strong winds.

(TX-Z045) GAINES, (TX-Z046) DAWSON, (TX-Z047) BORDEN, (TX-Z048) SCURRY, (TX-Z050) ANDREWS, (TX-Z051) MARTIN, (TX-Z052) HOWARD, (TX-Z053) MITCHELL, (TX-Z061) ECTOR, (TX-Z062) MIDLAND, (TX-Z067) WARD, (TX-Z068) CRANE, (TX-Z069) UPTON, (TX-Z282) LOWER BREWSTER COUNTY

08/26/19 12:00 CST	0	Excessive Heat
08/26/19 20:00 CST	0	

A ridge of high pressure accompanied by very dry air moved into west Texas and southeast New Mexico resulting in record breaking triple digit temperatures.

WARD COUNTY --- THORNTONVILLE [31.57, -103.02]

08/27/19 18:25 CST	0	Hail (1.00 in)
08/27/19 18:30 CST	0	Source: Public

WARD COUNTY --- BARSTOW [31.45, -103.40]

08/27/19 19:30 CST	3K	Thunderstorm Wind (EG 61 kt)
08/27/19 19:31 CST	0	Source: Law Enforcement

A thunderstorm moved across Ward County and produced wind damage in Barstow. There were powerlines down in Barstow. The cost of damage is a very rough estimate.

REEVES COUNTY --- 0.5 WNW PECOS [31.42, -103.49]

08/27/19 19:35 CST	2K	Thunderstorm Wind (EG 61 kt)
08/27/19 19:36 CST	0	Source: Public

A thunderstorm moved across Reeves County and produced wind damage in the town of Pecos. Power lines were down at 8th Street and Peach Street. The cost of damage is a very rough estimate.

WARD COUNTY --- 0.6 NNE BARSTOW [31.46, -103.40]

08/27/19 19:40 CST	0	Hail (1.00 in)
08/27/19 19:45 CST	0	Source: Public

REEVES COUNTY --- 2.0 SW PECOS [31.40, -103.50]

08/27/19 19:50 CST	0	Thunderstorm Wind (MG 50 kt)
08/27/19 19:50 CST	0	Source: ASOS

A thunderstorm moved across Reeves County and produced a 58 mph wind gust two miles southwest of the town of Pecos.

A cold front was moving across West Texas which provided lift. Very moist and unstable air was present across the area. These conditions resulted in thunderstorms developing with hail and damaging winds.