

Storm Data and Unusual Weather Phenomena - September 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NEW MEXICO, Southeast				
LEA COUNTY --- MC DONALD [33.13, -103.32]				
	09/12/19 16:22 MST		0	Hail (1.75 in)
	09/12/19 16:27 MST		0	Source: Trained Spotter
<p>An upper level ridge was over the region. A cold front moved into the Texas Panhandle later in the day. These conditions, along with moisture across the area, allowed for thunderstorms to develop. One storm produced large hail in southeast New Mexico.</p>				
LEA COUNTY --- 2.0 SW TATUM [33.23, -103.34]				
	09/27/19 19:40 MST		0	Thunderstorm Wind (MG 51 kt)
	09/27/19 19:40 MST		0	Source: Mesonet
<p>A thunderstorm moved across Lea County and produced a 59 mph wind gust two miles southwest of Tatum at the mesonet site.</p>				
<p>An upper level low was moving from southern Arizona to New Mexico. This allowed instability to increase across southeast New Mexico. Wind shear and low-level moisture also increased as a low-level jet stream moved over the area. These conditions resulted in a storm with strong winds developing across southeast New Mexico.</p>				
LEA COUNTY --- 2.0 NW HOBBS [32.72, -103.15]				
	09/28/19 17:10 MST		0	Hail (1.00 in)
	09/28/19 17:15 MST		0	Source: Trained Spotter
LEA COUNTY --- 1.0 N HOBBS [32.71, -103.13]				
	09/28/19 17:13 MST		0	Hail (1.00 in)
	09/28/19 17:18 MST		0	Source: Trained Spotter
LEA COUNTY --- 1.0 W HOBBS [32.70, -103.15]				
	09/28/19 17:15 MST		0	Hail (2.00 in)
	09/28/19 17:20 MST		0	Source: Public
LEA COUNTY --- 4.0 N HOBBS [32.76, -103.13]				
	09/28/19 17:16 MST		0	Hail (1.50 in)
	09/28/19 17:21 MST		0	Source: Public
EDDY COUNTY --- 3.0 S CARLSBAD [32.38, -104.23]				
	09/28/19 21:12 MST		0	Hail (1.00 in)
	09/28/19 21:17 MST		0	Source: Trained Spotter
<p>An upper level trough was over the western half of the country with a ridge over the eastern half. Moisture and strong daytime heating lead to instability across southeast New Mexico. Sufficient wind shear was also present. These conditions contributed to thunderstorms with large hail across southeast New Mexico.</p>				
EDDY COUNTY --- 1.9 WNW LAKEWOOD [32.64, -104.40], 1.7 WNW LAKEWOOD [32.64, -104.40], 1.7 WNW LAKEWOOD [32.64, -104.40], 2.0 WNW LAKEWOOD [32.64, -104.40]				
	09/30/19 17:20 MST		3K	Flash Flood (due to Heavy Rain)
	09/30/19 18:30 MST		0	Source: Trained Spotter
<p>Heavy rain fell across Eddy County and produced flash flooding. There was a high water rescue on Lakewood Road about 13 miles south of Artesia. The cost of damage is a very rough estimate.</p>				
EDDY COUNTY --- 0.8 NW CARLSBAD [32.43, -104.24], 0.5 NNE CARLSBAD [32.43, -104.23], 0.5 SSE CARLSBAD [32.41, -104.23], 0.7 WSW CARLSBAD [32.41, -104.24]				
	09/30/19 18:05 MST		30K	Flash Flood (due to Heavy Rain)
	09/30/19 20:00 MST		0	Source: Emergency Manager
<p>Heavy rain fell across Eddy County and produced flash flooding in Carlsbad. There were numerous water rescues with vehicles being abandoned. Nearly every low water crossing across Eddy County was under water. The cost of damage is a very rough estimate.</p>				

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EDDY COUNTY --- 2.5 ENE ATOKA [32.79, -104.36], 2.6 NNW DAYTON [32.79, -104.36], 2.4 NNW DAYTON [32.78, -104.36], 2.4 ENE ATOKA [32.78, -104.36]	09/30/19 18:20 MST		1K	Flash Flood (due to Heavy Rain)
	09/30/19 20:30 MST		0	Source: Trained Spotter

Heavy rain fell across Eddy County and produced flash flooding near Artesia. Water was up to the doorway of homes at East Blevins Road and Haldeman Road. The cost of damage is a very rough estimate.

Tropical Storm Narda was in the eastern Pacific near the west coast of Mexico. This storm provided southeast New Mexico with a rich supply of moisture, and there was lift over the region. These conditions produced heavy rain across southeast New Mexico which resulted in flash flooding.

TEXAS, West

PECOS COUNTY --- 10.7 NW FT STOCKTON ARPT FST [31.01, -103.07], 10.5 NW FT STOCKTON ARPT FST [31.01, -103.06], 10.8 NW FT STOCKTON ARPT FST [31.02, -103.06], 11.0 NW FT STOCKTON ARPT FST [31.02, -103.07]	09/21/19 19:10 CST		0	Flash Flood (due to Heavy Rain)
	09/21/19 21:10 CST		0	Source: Emergency Manager

Heavy rain moved across Pecos County and produced flash flooding northwest of Fort Stockton. There was approximately two feet of water over FM 1776 about two miles north of US 285.

ANDREWS COUNTY --- 0.6 SW ANDREWS [32.31, -102.56], 0.6 ESE ANDREWS [32.32, -102.54], 0.8 NNE ANDREWS [32.33, -102.55], 0.8 NW ANDREWS [32.33, -102.56]	09/21/19 20:30 CST		50K	Flash Flood (due to Heavy Rain)
	09/21/19 22:30 CST		0	Source: Law Enforcement

Heavy rain moved across Andrews County and produced flash flooding in the town of Andrews. There were multiple accidents with injuries in Andrews. The number of injuries is unknown. Streets were closed and there were stalled cars. The cost of damage is a very rough estimate.

An upper level trough was to the west of the region moving eastward. Pacific Hurricane Lorena was over Baja which provided mid and upper level moisture across the area. South to southeast surface winds had provided plentiful low-level moisture. These conditions, along with recent heavy rainfall, allowed for flash flooding to develop across parts of West Texas.

CULBERSON COUNTY --- 34.1 E PINE SPGS [31.85, -104.22]	09/29/19 14:53 CST		0	Hail (1.00 in)
	09/29/19 14:58 CST		0	Source: Trained Spotter

WINKLER COUNTY --- 3.0 NW WINK [31.78, -103.19]	09/29/19 16:31 CST		0	Thunderstorm Wind (MG 57 kt)
	09/29/19 16:31 CST		0	Source: ASOS

A thunderstorm moved across Winkler County and produced a 66 mph wind gust near Wink.

WINKLER COUNTY --- 3.0 NW WINK [31.78, -103.19]	09/29/19 19:58 CST		0	Thunderstorm Wind (MG 52 kt)
	09/29/19 19:58 CST		0	Source: ASOS

A thunderstorm moved across Winkler County and produced a 60 mph wind gust at the Winkler County Airport.

An upper level trough was over the western half of the country moving eastward. Moisture and instability were across West Texas along with sufficient wind shear. These conditions resulted in storms developing with strong winds and hail across West Texas.