

Storm Data and Unusual Weather Phenomena - July 2019

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

EDDY COUNTY --- ARTESIA [32.83, -104.40]

	07/11/19 13:19 MST	0	Hail (0.75 in)
	07/11/19 13:24 MST	0	Source: Trained Spotter

An outflow boundary from thunderstorms the night before across the Texas panhandle had moved into West Texas and southeast New Mexico. The atmosphere was unstable and fairly moist. These conditions contributed to thunderstorms with hail across southeast New Mexico.

EDDY COUNTY --- 2.0 S CARLSBAD [32.39, -104.23], 2.4 S CARLSBAD [32.39, -104.23], 2.4 S CARLSBAD [32.39, -104.22], 2.0 S CARLSBAD [32.39, -104.22]

	07/22/19 16:01 MST	0	Flash Flood (due to Heavy Rain)
	07/22/19 17:00 MST	0	Source: Trained Spotter

Heavy rain fell across Eddy County and produced flash flooding two miles south of Carlsbad. A spotter reported two inches of rain in about an hour with flooding of low lying areas. No damage was reported.

EDDY COUNTY --- CARLSBAD [32.42, -104.23], 1.0 N CARLSBAD [32.43, -104.23], 1.2 NE HAPPY VLY [32.43, -104.26], 0.7 E HAPPY VLY [32.42, -104.26]

	07/22/19 16:11 MST	0	Flash Flood (due to Heavy Rain)
	07/22/19 17:30 MST	0	Source: Social Media

Heavy rain fell across Eddy County and produced flash flooding in Carlsbad. There was curb to curb flooding on many streets in Carlsbad. No damage was reported.

An upper ridge was over the Four Corners region and an upper trough was strengthening over the eastern part of the country. A cold front that was associated with the upper trough was moving through West Texas and southeast New Mexico. This front interacted with the plentiful moisture across the area. These conditions resulted in flash flooding across southeast New Mexico.

TEXAS, West

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

	07/03/19 20:24 CST	0	Hail (1.00 in)
	07/03/19 20:29 CST	0	Source: Emergency Manager

A thunderstorm moved across Gaines County and produced one inch hail. There was lots of small hail up to the size of pennies, but a few the size of quarters were present.

WINKLER COUNTY --- KERMIT [31.85, -103.08]

	07/03/19 21:40 CST	0	Hail (1.75 in)
	07/03/19 21:45 CST	0	Source: Trained Spotter

MIDLAND COUNTY --- 3.4 WNW MIDLAND [32.02, -102.13], 3.3 WNW MIDLAND [32.02, -102.13], 2.3 NW MIDLAND [32.02, -102.11], 2.4 NW MIDLAND [32.02, -102.11]

	07/03/19 22:59 CST	10K	Flash Flood (due to Heavy Rain)
	07/04/19 01:00 CST	0	Source: Social Media

Heavy rain moved across Midland County and produced flash flooding in the City of Midland. There was flash flooding along Wadley Avenue which caused several cars to stall out. The cost of damage is a very rough estimate.

MIDLAND COUNTY --- 2.1 NE (MAF) MIDLAND INTL [31.95, -102.17], 2.1 ENE (MAF) MIDLAND INTL [31.95, -102.17], 2.3 ENE (MAF) MIDLAND INTL [31.95, -102.17], 2.3 ENE (MAF) MIDLAND INTL [31.95, -102.17]

	07/04/19 01:20 CST	0	Flash Flood (due to Heavy Rain)
	07/04/19 02:00 CST	0	Source: Trained Spotter

Heavy rain fell across Midland County and produced flash flooding near the City of Midland. There was water five feet over Frontage Road along Business 20 and Midland Draw. No damage was reported.

An upper level ridge was over the region, but an upper level disturbance within the ridge moved over West Texas. This upper

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<p>disturbance provided lift across the area and combined with low-level moisture. These conditions resulted in storms that produced large hail and flash flooding across the Permian Basin.</p>				
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BREWSTER COUNTY --- CASTOLON [29.13, -103.52]				
	07/04/19 19:20 CST		0	Thunderstorm Wind (MG 55 kt)
	07/04/19 19:20 CST		0	Source: Mesonet
<p>A thunderstorm moved across Brewster County and produced a 63 mph wind gust in Castolon.</p>				
<p>An upper level ridge was over the region. There was a weak upper level disturbance within the ridge along with low-level moisture across West Texas. These conditions, along with intense heating and instability, contributed to storms that produced strong winds.</p>				
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CULBERSON COUNTY --- 51.0 N KENT [31.81, -104.22]				
	07/06/19 17:46 CST		0	Thunderstorm Wind (MG 51 kt)
	07/06/19 17:46 CST		0	Source: Trained Spotter
<p>A thunderstorm moved across Culberson County and produced a 59 mph wind gust eighteen miles west of Orla at the Orla Gas Plant.</p>				
<p>Instability and moisture were present across West Texas. There was an outflow boundary from previous thunderstorms that stretched from southeast New Mexico eastward through the Permian Basin. An upper level disturbance moved over the area which provided additional lift. These conditions resulted in a thunderstorm that produced strong winds in far West Texas.</p>				
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DAWSON COUNTY --- 2.0 SE LAMESA [32.71, -101.93]				
	07/11/19 16:00 CST		0	Thunderstorm Wind (MG 56 kt)
	07/11/19 16:00 CST		0	Source: Mesonet
<p>A thunderstorm moved across Dawson County and produced a 65 mph wind gust at the mesonet site two miles southeast of Lamesa.</p>				
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CULBERSON COUNTY --- 5.0 S PINE SPGS [31.81, -104.80]				
	07/11/19 16:24 CST		0	Thunderstorm Wind (MG 52 kt)
	07/11/19 16:24 CST		0	Source: ASOS
<p>A thunderstorm moved across Culberson County and produced a 60 mph wind gust at the ASOS site five miles south of Pine Springs.</p>				
<p>An outflow boundary from thunderstorms the night before across the Texas panhandle had moved into West Texas and southeast New Mexico. The atmosphere was unstable and fairly moist. These conditions contributed to thunderstorms with strong winds across West Texas.</p>				
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BREWSTER COUNTY --- 0.3 SSE ALPINE [30.37, -103.67]				
	07/17/19 15:25 CST		0	Hail (1.00 in)
	07/17/19 15:30 CST		0	Source: Social Media
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BREWSTER COUNTY --- CASTOLON [29.13, -103.52]				
	07/17/19 17:39 CST		0	Thunderstorm Wind (MG 52 kt)
	07/17/19 17:39 CST		0	Source: Mesonet
<p>A thunderstorm moved across Brewster County and produced a 60 mph wind gust in Castolon.</p>				
<p>An upper level ridge was over the region and a surface trough extended south into the Davis Mountains. Hot temperatures and high moisture values were present across West Texas. An upper level disturbance also moved over the area which provided additional lift. These conditions contributed to thunderstorms that produced hail and strong winds.</p>				
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GAINES COUNTY --- 3.9 N SEMINOLE [32.78, -102.64], 4.0 N SEMINOLE [32.78, -102.64], 4.4 N SEMINOLE [32.78, -102.64], 4.4 N SEMINOLE [32.78, -102.64]				
	07/22/19 20:00 CST		0	Flash Flood (due to Heavy Rain)
	07/22/19 21:20 CST		0	Source: Law Enforcement
<p>Heavy rain fell across Gaines County and produced flash flooding four miles north of Seminole. There was water covering Highway 385. No damage was reported.</p>				
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ECTOR COUNTY --- 2.7 NE GARDENDALE [32.02, -102.39], 2.5 ENE GARDENDALE [32.01, -102.38], 3.6 ENE GARDENDALE [32.02, -102.36], 3.8 ENE GARDENDALE [32.03, -102.37]				
	07/22/19 20:11 CST		0	Flash Flood (due to Heavy Rain)
	07/22/19 21:10 CST		0	Source: Public

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Heavy rain fell across Ector County and resulted in flooded bar ditches in Gardendale.

MIDLAND COUNTY --- 0.7 E WARFIELD [31.92, -102.22], 0.7 E WARFIELD [31.92, -102.22], 0.7 E WARFIELD [31.92, -102.22], 0.7 ENE WARFIELD [31.92, -102.22]

	07/22/19 22:09 CST	0	Flash Flood (due to Heavy Rain)
	07/22/19 23:10 CST	0	Source: NWS Employee

Heavy rain fell across Midland County and produced flash flooding about five miles southwest of Midland. There was approximately one to two feet of water over Business 20 under the FM 1788 overpass. No damage was reported.

An upper ridge was over the Four Corners region and an upper trough was strengthening over the eastern part of the country. A cold front that was associated with the upper trough was moving through West Texas and southeast New Mexico. This front interacted with the plentiful moisture across the area. These conditions resulted in flash flooding across West Texas.

PRESIDIO COUNTY --- 5.0 N PRESIDIO [29.62, -104.37]

	07/29/19 16:55 CST	0	Thunderstorm Wind (MG 51 kt)
	07/29/19 16:55 CST	0	Source: ASOS

A thunderstorm moved across Presidio County and produced a 59 mph wind gust five miles north of the town of Presidio.

An upper level ridge was over the region, and upper level disturbances under the ridge interacted with a weakening frontal boundary across West Texas. Strong surface heating and moisture were also present which helped to increase instability. These conditions contributed to a thunderstorm that produced strong winds in West Texas.