

Storm Data and Unusual Weather Phenomena - August 2017

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

LEA COUNTY --- 0.4 NE MONUMENT [32.62, -103.27]

	08/07/17 20:10 MST		40K	Thunderstorm Wind (EG 43 kt)
	08/07/17 20:10 MST		0	Source: Newspaper

A thunderstorm moved across Lea County and produced downburst winds in Monument . A mobile home trailer was overturned near the intersection of NM 8 and NM42 in Monument. The winds were estimated to have gusted to 50 mph. The cost of damage is a very rough estimate.

A frontal boundary was across the area, and there was a lot of moisture in the air. The atmosphere was very unstable. These conditions allowed thunderstorms with strong winds to develop across southeast New Mexico.

EDDY COUNTY --- 3.3 W ESPUELA [32.92, -104.44]

	08/15/17 16:50 MST		10K	Thunderstorm Wind (EG 61 kt)
	08/15/17 16:50 MST		0	Source: Trained Spotter

A thunderstorm moved across Eddy County and produced wind damage northwest of Cottonwood . A pickup and trailer flipped over on the side of Highway 285 one mile south of the Chaves/Eddy County line. The cost of damage is a very rough estimate.

EDDY COUNTY --- 6.0 N AVALON [32.59, -104.22]

	08/15/17 18:17 MST		0	Thunderstorm Wind (EG 52 kt)
	08/15/17 18:17 MST		0	Source: Trained Spotter

A thunderstorm moved across Eddy County and produced a 60 mph wind gust six miles north of Avalon.

An upper ridge was over Florida, and a broad upper trough was over the western United States. A remaining outflow boundary was across the area, and there was good moisture present. These conditions, along with daytime heating contributing to an unstable atmosphere, allowed for storms with strong winds to develop across southeast New Mexico.

EDDY COUNTY --- CARLSBAD [32.42, -104.23], 0.9 N CARLSBAD [32.43, -104.23], 1.3 NE HAPPY VLY [32.43, -104.26], 0.8 E HAPPY VLY [32.42, -104.26]

	08/20/17 17:52 MST		0.30K	Flash Flood (due to Heavy Rain)
	08/20/17 20:50 MST		0	Source: Law Enforcement

Heavy rain fell across Eddy County and produced flash flooding in Carlsbad. Two to three feet of water was covering some of the roads in Carlsbad . The cost of damage is a very rough estimate.

There was an upper ridge over Texas with a storm circulation moving northward from Mexico. Lots of moisture was present to the west across New Mexico. Heavy rain developed across southeast New Mexico and produced flash flooding due to slow storm movement.

EDDY COUNTY --- 1.2 NE HAPPY VLY [32.43, -104.25], 1.3 NE HAPPY VLY [32.43, -104.25], 0.5 N CARLSBAD [32.43, -104.23], 0.3 SW CARLSBAD [32.42, -104.23]

	08/25/17 17:20 MST		0.50K	Flash Flood (due to Heavy Rain)
	08/25/17 18:40 MST		0	Source: Trained Spotter

Heavy rain fell across Eddy County and produced flash flooding in Carlsbad. There was flowing water at least a foot deep reported at Pate and Blodgett. Also, there were reports of multiple roads flooded toward the center of Carlsbad. The cost of damage is a very rough estimate.

There was an upper trough that extended from West Texas to the Central Plains. Very rich moisture was across West Texas and southeast New Mexico. The upper level winds were very weak over the area which contributed to slow moving storms. These conditions resulted in thunderstorms with flash flooding across southeast New Mexico.

TEXAS, West

ECTOR COUNTY --- 1.7 ENE GREENFIELD ACRES [31.88, -102.37], 1.8 ENE GREENFIELD ACRES [31.88, -102.37], 1.8 ENE GREENFIELD ACRES [31.88, -102.37], 1.7 ENE GREENFIELD ACRES [31.88, -102.37]

	08/01/17 19:14 CST		2K	Flash Flood (due to Heavy Rain)
	08/01/17 21:30 CST		0	Source: Broadcast Media

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Heavy rain fell across Ector County and produced flash flooding in Odessa. The Odessa Fire/Rescue responded to a high water rescue at Dixie Blvd. and Center Avenue. The cost of damage is a very rough estimate.				

ECTOR COUNTY --- 0.7 NW ODESSA [31.86, -102.38], 1.9 ENE ODESSA [31.86, -102.34], 2.9 SE ODESSA ECTOR CO ARPT [31.89, -102.35], 1.0 NE GREENFIELD ACRES [31.88, -102.39]

08/01/17 20:07 CST		3K	Flash Flood (due to Heavy Rain)
08/01/17 22:00 CST		0	Source: Broadcast Media

Heavy rain fell across Ector County and produced flash flooding in Odessa. The Odessa Fire Department worked two high water rescues. One rescue was on Tom Green and 16th Street and the other was on Grandview and Maple in Odessa. The cost of damage is a very rough estimate.

An upper trough moved over the Central Plains, and there were a couple of surface boundaries across the region. Afternoon heating, along with clearing skies, helped to destabilize the atmosphere. These conditions, along with very rich moisture, allowed for heavy rain and flash flooding to develop across the Permian Basin.

WINKLER COUNTY --- 3.0 NW WINK [31.78, -103.19]

08/06/17 21:01 CST		0	Thunderstorm Wind (MG 63 kt)
08/06/17 21:01 CST		0	Source: ASOS

A thunderstorm moved across Winkler County and produced a 72 mph wind gust near Wink.

WINKLER COUNTY --- WINK [31.75, -103.15]

08/06/17 21:22 CST		30K	Thunderstorm Wind (EG 65 kt)
08/06/17 21:22 CST		0	Source: Broadcast Media

A thunderstorm moved across Winkler County and produced wind damage in Wink. Trees were down and roofs were damaged in Wink. The power was also knocked out too. The cost of damage is a very rough estimate.

There were outflow boundaries across the area with a surface trough across the Trans Pecos. Hot temperatures combined with good moisture to increase instability. A cold front was moving southward from the Texas Panhandle. These conditions resulted in thunderstorms with strong winds across West Texas.

BREWSTER COUNTY --- 8.0 SE ALPINE [30.29, -103.58]

08/12/17 15:40 CST		0	Hail (0.88 in)
08/12/17 15:45 CST		0	Source: Amateur Radio

BREWSTER COUNTY --- 8.0 SE ALPINE [30.29, -103.58]

08/12/17 15:40 CST		0	Heavy Rain
08/12/17 16:00 CST		0	Source: Amateur Radio

Heavy rain fell near Alpine, TX for about 20 minutes. Anywhere from 0.75 to 0.99 inches of rain fell.

MITCHELL COUNTY --- COLORADO CITY [32.40, -100.85]

08/12/17 17:48 CST		0	Hail (1.00 in)
08/12/17 17:53 CST		0	Source: Broadcast Media

An upper ridge over south Texas was being suppressed by a shortwave trough over New Mexico. Good heating and moisture were present across West Texas. These conditions allowed for large hail and heavy rain to develop across the area.

SCURRY COUNTY --- 13.0 NE SNYDER [32.85, -100.74]

08/16/17 17:50 CST		0	Thunderstorm Wind (EG 52 kt)
08/16/17 17:50 CST		0	Source: Public

A thunderstorm moved across Scurry County and produced an estimated 60 mph wind gust thirteen miles northeast of Snyder.

SCURRY COUNTY --- 13.0 NE SNYDER [32.85, -100.74]

08/16/17 17:50 CST		0	Hail (0.88 in)
08/16/17 17:55 CST		0	Source: Public

HOWARD COUNTY --- 1.0 SSE LOMAX [32.11, -101.62]

08/16/17 18:58 CST		0	Thunderstorm Wind (MG 59 kt)
08/16/17 18:58 CST		0	Source: Mesonet

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A thunderstorm moved across Howard County and produced a 68 mph wind gust near Lomax.

MIDLAND COUNTY --- 2.1 SW BADEN [32.06, -101.95]

	08/16/17 19:36 CST		0	Thunderstorm Wind (EG 52 kt)
	08/16/17 19:36 CST		0	Source: Trained Spotter

A thunderstorm moved across Midland County and produced estimated 50 to 60 mph wind gusts ten miles southwest of Stanton on I-20.

MARTIN COUNTY --- 27.0 S FLOWER GROVE [32.11, -101.88]

	08/16/17 20:15 CST		0	Hail (1.75 in)
	08/16/17 20:20 CST		0	Source: Emergency Manager

An upper ridge was to the east of the region with very warm temperatures across West Texas. A plentiful supply of moisture was present across the Western Low Rolling Plains and eastern portions of the Permian Basin. There was a cold front to the north of the area and a weak dryline across the Permian Basin. These conditions, along with good instability, resulted in thunderstorms with strong winds and large hail across the area.

MIDLAND COUNTY --- (MAF) MIDLAND INTL [31.93, -102.20]

	08/22/17 20:59 CST		0	Thunderstorm Wind (MG 52 kt)
	08/22/17 20:59 CST		0	Source: ASOS

A thunderstorm moved across Midland County and produced a 60 mph wind gust at Midland International Air and Space Port.

Warm temperatures were present in advance of a cold front. Good moisture was across the area. These conditions contributed to thunderstorms with strong winds across the Permian Basin.

ECTOR COUNTY --- 6.0 W ODESSA [31.85, -102.47]

	08/25/17 17:20 CST		8K	Thunderstorm Wind (EG 61 kt)
	08/25/17 17:21 CST		0	Source: Law Enforcement

A thunderstorm moved across Ector County and produced wind damage in West Odessa. There were a few powerpoles and several trees down which resulted in some road closures. The cost of damage is a very rough estimate.

There was an upper trough that extended from West Texas to the Central Plains. Very rich moisture was across West Texas and southeast New Mexico. These conditions resulted in thunderstorms with damaging winds across the Permian Basin.