

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

NEW MEXICO, Southeast

EDDY COUNTY --- 23.0 ESE CARLSBAD [32.29, -103.87]

05/17/18 13:04 MST		0	Hail (0.88 in)
05/17/18 13:09 MST		0	Source: Public

EDDY COUNTY --- 13.0 ENE LOVING [32.35, -103.89]

05/17/18 13:28 MST		0	Hail (1.00 in)
05/17/18 13:33 MST		0	Source: Public

Quarter sized hail was reported at mile marker 9 on HWY 128.

An upper ridge extended up from Mexico across the panhandle of Texas and to the front range of the Rocky Mountains. A good amount of moisture was in place across much of the area as far west as the Guadalupe Mountains of Texas and New Mexico. There was also a good amount of lift, and lingering boundaries helped with the development of storms area-wide. These storms produced large hail and strong winds in both southeast New Mexico and west Texas as far south as Terrell County.

EDDY COUNTY --- CARLSBAD [32.42, -104.23]

05/22/18 17:50 MST		0	Hail (1.25 in)
05/22/18 17:55 MST		0	Source: Social Media

EDDY COUNTY --- 11.0 S CARLSBAD [32.26, -104.23]

05/22/18 18:29 MST		0	Hail (1.75 in)
05/22/18 18:34 MST		0	Source: Trained Spotter

EDDY COUNTY --- OTIS [32.35, -104.17]

05/22/18 18:40 MST		23K	Hail (2.00 in)
05/22/18 18:45 MST		0	Source: Public

A thunderstorm moved across Eddy County and produced two inch hail in Otis. Several homes had damage to windows and siding. The cost of damage is a very rough estimate.

EDDY COUNTY --- CARLSBAD [32.42, -104.23]

05/22/18 18:45 MST		10K	Thunderstorm Wind (EG 61 kt)
05/22/18 18:46 MST		0	Source: Public

A thunderstorm moved across Eddy County and produced wind damage in Carlsbad. A tin roof on top of a Sears store in Carlsbad was ripped apart by thunderstorm wind gusts. The cost of damage is a very rough estimate.

An upper level trough was over the Desert Southwest and provided upper lift over southeast New Mexico and West Texas. Good moisture and instability were across the area along with marginal wind shear and dry air below the cloud layer. These conditions resulted in large hail and damaging winds across southeast New Mexico.

Storm Data and Unusual Weather Phenomena - May 2018

Location

Date/Time

Deaths &
Injuries

Property &
Crop Dmg

Event Type and Details



Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details

A thunderstorm moved across Eddy County and produced half dollar sized hail in Carlsbad. Photo courtesy of Jorge Torres.

EDDY COUNTY --- 7.0 NNE QUEEN [32.29, -104.68]				
	05/23/18 13:31 MST		0	Hail (1.50 in)
	05/23/18 13:36 MST		0	Source: Trained Spotter

EDDY COUNTY --- QUEEN [32.20, -104.73]				
	05/23/18 14:05 MST		0	Hail (1.75 in)
	05/23/18 14:10 MST		0	Source: Trained Spotter

EDDY COUNTY --- 6.0 WSW WHITES CITY [32.14, -104.46]				
	05/23/18 14:34 MST		0	Hail (1.75 in)
	05/23/18 14:39 MST		0	Source: Park/Forest Service

EDDY COUNTY --- 1.8 E QUEEN [32.20, -104.70], 1.7 E QUEEN [32.20, -104.70], 1.0 ENE QUEEN [32.20, -104.71], 1.1 ENE QUEEN [32.21, -104.71]				
	05/23/18 16:00 MST		0	Flash Flood (due to Heavy Rain)
	05/23/18 16:44 MST		0	Source: Trained Spotter

Heavy rain fell across Eddy County and produced flash flooding near Queen. Two feet of water was flowing over State Highway 137 at Rocky Arroyo. No damage was reported.

LEA COUNTY --- BUCKEYE [32.78, -103.48]				
	05/23/18 16:37 MST		0	Hail (0.88 in)
	05/23/18 16:42 MST		0	Source: Public

LEA COUNTY --- MONUMENT [32.62, -103.27]				
	05/23/18 17:08 MST		0	Hail (0.88 in)
	05/23/18 17:13 MST		0	Source: Trained Spotter

LEA COUNTY --- 2.0 WSW HOBBS [32.69, -103.16]				
	05/23/18 17:15 MST		0	Thunderstorm Wind (EG 50 kt)
	05/23/18 17:15 MST		0	Source: Trained Spotter

A thunderstorm moved across Lea County and produced a 58 mph wind gust near Hobbs.

Very good low-level moisture and instability were in place as well as upslope winds along the higher terrain. The limiting factor in storm development was weak wind shear. Nevertheless, these conditions resulted in storms developing in West Texas and southeast New Mexico with strong winds, large hail, and flash flooding.

TEXAS, West

GAINES COUNTY --- SEAGRAVES [32.93, -102.55]				
	05/02/18 21:20 CST		28K	Thunderstorm Wind (MG 64 kt)
	05/02/18 21:20 CST		0	Source: Mesonet

A thunderstorm moved across Gaines County and produced a downburst in Seagraves. A 74 mph wind gust was recorded by the West Texas Mesonet. Roof damage occurred in the town of Seagraves. The cost of damage is a very rough estimate.

An upper trough was over New Mexico and Colorado with a dryline present across the Permian Basin. These conditions resulted in sufficient lift and moisture for thunderstorms to develop across West Texas. These storms produced a downburst in the western Permian Basin.

SCURRY COUNTY --- SNYDER [32.72, -100.90]				
	05/14/18 14:45 CST		0	Hail (1.75 in)
	05/14/18 14:50 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
SCURRY COUNTY --- 2.0 SW SNYDER [32.70, -100.92]				
	05/14/18 14:55 CST		0	Thunderstorm Wind (MG 50 kt)
	05/14/18 14:55 CST		0	Source: ASOS

A thunderstorm moved across Scurry County and produced a 58 mph wind gust near Snyder.

There was an upper low over the Great Basin, and an upper level disturbance moved over West Texas. A dryline was also present across the Permian Basin. Great moisture and instability were in place across the area. Dry air was present below the cloud layer which increased the potential for strong winds. An area of increased upper level winds was approaching the region resulting in more lift. These conditions allowed for thunderstorms with strong winds and large hail to develop across the Western Low Rolling Plains.

SCURRY COUNTY --- SNYDER [32.72, -100.90]				
	05/15/18 17:00 CST		0	Hail (1.75 in)
	05/15/18 17:05 CST		0	Source: Public

A thunderstorm over Snyder, TX produced large hail.

An outflow boundary was generated by convection from the previous night over the northeast Permian Basin. A dryline was also making its way east across the Permian Basin. Air destabilized behind and along the outflow boundary resulting in storms. Lift and moisture were favorable for strong storms as far south as Pecos, but the severe potential was limited due to weak deep layer wind shear. Storms developed across the northeastern Permian Basin and produced strong winds and large hail.

HOWARD COUNTY --- 3.0 SSW BIG SPRING [32.21, -101.49]				
	05/16/18 16:45 CST		5K	Hail (2.75 in)
	05/16/18 17:00 CST		0	Source: Broadcast Media

A thunderstorm moved across Howard County and produced golf ball to baseball sized hail in the Silver Hills area near Comanche Trail Park. Some vehicles experienced cracked windshields and smaller dents due to the hail. The cost of damage is a very rough estimate.

An upper level ridge was over the region with hot temperatures across West Texas. A dryline along with outflow boundaries from previous storms were present across the area. Very good moisture and instability were in place. These conditions allowed for a thunderstorm with large hail to develop across the northeast Permian Basin.

Storm Data and Unusual Weather Phenomena - May 2018

Location

Date/Time

Deaths &
Injuries

Property &
Crop Dmg

Event Type and Details



Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
				

Golf ball to baseball sized hail fell in the southern part of Big Spring in the Silver Hills area near Comanche Trail Park. Some vehicles experienced cracked windshields and smaller dents due to the hail. Photo is courtesy of Tina Hines.

LOVING COUNTY --- MENTONE [31.70, -103.60]

05/17/18 15:40 CST	0	Hail (1.00 in)
05/17/18 15:45 CST	0	Source: Social Media

TERRELL COUNTY --- (P07)SANDERSON [30.15, -102.40]

05/17/18 17:06 CST	0.50K	Hail (1.75 in)
05/17/18 17:20 CST	0	Source: Law Enforcement

A thunderstorm moved across Terrell County and produced golf ball sized hail in Sanderson. The Terrell County Sheriff's Department reported a few broken windows and several tree branches broken throughout Sanderson. The cost of damage is a very rough estimate.

SCURRY COUNTY --- 7.0 NE DERMOTT [32.92, -100.93]

05/17/18 18:24 CST	0	Thunderstorm Wind (MG 51 kt)
05/17/18 18:25 CST	0	Source: Trained Spotter

SCURRY COUNTY --- 10.0 NE SNYDER [32.82, -100.78]

05/17/18 19:09 CST	0	Thunderstorm Wind (EG 52 kt)
05/17/18 19:10 CST	0	Source: Trained Spotter

Dime sized hail was also reported with this storm.

An upper ridge extended up from Mexico across the panhandle of Texas and to the front range of the Rocky Mountains. A good amount of moisture was in place across the much of the area as far west as the Guadalupe Mountains of Texas and New Mexico. There was also a good amount of lift, and lingering boundaries helped with the development of storms area-wide. These storms produced large hail and strong winds in both southeast New Mexico and west Texas as far south as Terrell County.

BREWSTER COUNTY --- 4.0 W ALPINE [30.37, -103.74]

05/22/18 20:26 CST	0	Hail (1.75 in)
05/22/18 20:31 CST	0	Source: Amateur Radio

BREWSTER COUNTY --- ALPINE MUNI ARPT [30.38, -103.68]

05/22/18 20:30 CST	0	Funnel Cloud
05/22/18 20:31 CST	0	Source: Public

A funnel cloud was reported near the Alpine Airport.

An upper level trough was over the Desert Southwest and provided upper lift over southeast New Mexico and West Texas. Good moisture and instability were across the area along with marginal wind shear and dry air below the cloud layer. These conditions resulted in large hail across West Texas.

Storm Data and Unusual Weather Phenomena - May 2018

Location

Date/Time

Deaths &
Injuries

Property &
Crop Dmg

Event Type and Details



Storm Data and Unusual Weather Phenomena - May 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
				

A funnel cloud was reported near the Alpine Airport. Photo is courtesy of Cathi Cochran.

CULBERSON COUNTY --- 22.0 E PINE SPGS [31.88, -104.42]

05/23/18 15:35 CST			15K	Hail (2.00 in)
05/23/18 15:40 CST			0	Source: Public

A thunderstorm moved across Culberson County and produced two inch hail along Ranch Road 652. Over 20 vehicles were damaged along this road. The cost of damage is a very rough estimate.

BREWSTER COUNTY --- 1.0 N ALPINE [30.38, -103.67]

05/23/18 17:20 CST			0	Hail (1.00 in)
05/23/18 17:25 CST			0	Source: Trained Spotter

BREWSTER COUNTY --- PANTHER JUNCTION [29.30, -103.30]

05/23/18 18:40 CST			0	Hail (1.50 in)
05/23/18 18:45 CST			0	Source: Park/Forest Service

Very good low-level moisture and instability were in place as well as upslope winds along the higher terrain. The limiting factor in storm development was weak wind shear. Nevertheless, these conditions resulted in storms developing in West Texas and southeast New Mexico with strong winds, large hail, and flash flooding.

BREWSTER COUNTY --- ALPINE [30.37, -103.67]

05/24/18 17:00 CST			5K	Thunderstorm Wind (EG 61 kt)
05/24/18 17:01 CST			0	Source: Law Enforcement

A thunderstorm moved across Brewster County and produced wind damage in Alpine. A power pole was blown down and signs were shattered and blown down due to strong winds and hail. The cost of damage is a very rough estimate.

JEFF DAVIS COUNTY --- 35.0 NNW FT DAVIS [31.05, -104.11]

05/24/18 17:09 CST			0	Hail (1.00 in)
05/24/18 17:29 CST			0	Source: Public

BREWSTER COUNTY --- 3.0 E ALPINE [30.37, -103.62]

05/24/18 17:21 CST			0	Hail (0.88 in)
05/24/18 17:26 CST			0	Source: Public

Dime to nickel sized hail was reported three miles east of Alpine.

An upper level ridge was centered off the west coast of Mexico and extended up into West Texas. Good instability, moisture, and wind shear were present across the area. Dry air was present below the cloud base which contributed to a threat of gusty winds. These conditions resulted in large hail and damaging winds across parts of West Texas.