

## Storm Data and Unusual Weather Phenomena - May 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>NEW MEXICO, Southeast</b>				
<b>EDDY COUNTY --- 8.0 W ARTESIA [32.83, -104.54]</b>				
	05/08/17 16:25 MST		0.20K	Thunderstorm Wind (EG 65 kt)
	05/08/17 16:26 MST		0	Source: Public
<p>A thunderstorm moved across Eddy County and produced wind damage west of Artesia . A large cottonwood tree was uprooted between 515 and 530 pm MDT. The cost of damage is a very rough estimate.</p> <p>The region was in between an upper ridge to the east and a cut off low to the west near the Baja Peninsula. A dryline was present across southeast New Mexico as well as a surface trough. There was good instability to the east of the dryline, so storms with damaging winds developed.</p>				
<b>LEA COUNTY --- 20.0 S MALJAMAR [32.56, -103.75]</b>				
	05/09/17 16:38 MST		0	Hail (1.00 in)
	05/09/17 16:43 MST		0	Source: Trained Spotter
<b>EDDY COUNTY --- 3.0 S CARLSBAD [32.38, -104.23]</b>				
	05/09/17 16:45 MST		0	Hail (0.75 in)
	05/09/17 16:50 MST		0	Source: Public
<b>EDDY COUNTY --- 2.0 NNW CARLSBAD [32.45, -104.24]</b>				
	05/09/17 16:50 MST		0	Hail (1.25 in)
	05/09/17 16:55 MST		0	Source: CoCoRaHS
<b>EDDY COUNTY --- 2.0 WSW CARLSBAD [32.41, -104.26]</b>				
	05/09/17 16:54 MST		0	Hail (1.00 in)
	05/09/17 16:59 MST		0	Source: Trained Spotter
<b>LEA COUNTY --- 2.0 WSW GLADIOLA [33.24, -103.20]</b>				
	05/09/17 18:40 MST		0	Funnel Cloud
	05/09/17 18:42 MST		0	Source: Storm Chaser
<p>A thunderstorm moved across Lea County and produced a funnel cloud near Gladiola.</p> <p>There was an upper low over southwest Arizona. Good low-level moisture and wind shear were present and the atmosphere was unstable. Upper lift was also enhanced over the area due to an upper jet stream. These conditions allowed for thunderstorms with large hail and a funnel cloud to develop across southeast New Mexico.</p>				
<b>(NM-Z027) GUADALUPE MOUNTAINS OF EDDY COUNTY</b>				
	05/16/17 22:00 MST		0	High Wind (MAX 50 kt)
	05/17/17 03:00 MST		0	
<p>A strong upper low passed over the area and resulted in high winds in the Guadalupe Mountains.</p>				
<b>EDDY COUNTY --- 3.0 S CARLSBAD [32.38, -104.23]</b>				
	05/22/17 17:00 MST		0	Hail (0.88 in)
	05/22/17 17:05 MST		0	Source: Public
<b>EDDY COUNTY --- 2.0 WNW CARLSBAD [32.43, -104.26]</b>				
	05/22/17 17:03 MST		0	Hail (1.50 in)
	05/22/17 17:08 MST		0	Source: Trained Spotter
<b>EDDY COUNTY --- 5.0 WNW CARLSBAD [32.45, -104.31]</b>				
	05/22/17 17:03 MST		0	Hail (1.00 in)
	05/22/17 17:08 MST		0	Source: Trained Spotter
<b>EDDY COUNTY --- 2.1 NNW CARLSBAD [32.45, -104.24]</b>				

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	05/22/17 17:04 MST		0	Hail (0.88 in)
	05/22/17 17:19 MST		0	Source: CoCoRaHS

**EDDY COUNTY --- 17.0 SW CARLSBAD [32.25, -104.44]**

05/22/17 17:20 MST	4.20K	Hail (1.75 in)
05/22/17 17:25 MST	0	Source: Trained Spotter

A thunderstorm moved across Eddy County and produced golf ball sized hail at Carlsbad Caverns National Park . There were 65 windows reported broken, four window screens, nine vehicle mirrors, two windshields, and six tail lights. The cost of damage is a rough estimate.

**EDDY COUNTY --- 1.0 NNW MALAGA [32.23, -104.08]**

05/22/17 17:34 MST	0	Hail (1.00 in)
05/22/17 17:39 MST	0	Source: Trained Spotter

**LEA COUNTY --- 22.0 WNW JAL [32.24, -103.53]**

05/22/17 17:45 MST	6K	Thunderstorm Wind (MG 67 kt)
05/22/17 17:46 MST	0	Source: Trained Spotter

A thunderstorm moved across Lea County and produced a 77 mph wind gust 22 miles west northwest of Jal. This wind gust snapped two power poles. The cost of damage is a very rough estimate.

An upper level trough moved over the region from the Rocky Mountains and provided an increase in lift. There was good instability, moisture, and wind shear across the area. These conditions resulted in thunderstorms developing with large hail and strong winds across southeast New Mexico and West Texas.

### TEXAS, West

**(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY**

05/04/17 00:51 MST	0	High Wind (MAX 39 kt)
05/04/17 01:51 MST	0	

Gusty, northeast winds affected Guadalupe Pass behind a strong cold front.

**REAGAN COUNTY --- BIG LAKE [31.20, -101.47]**

05/10/17 22:39 CST	0	Hail (1.00 in)
05/10/17 22:44 CST	0	Source: Law Enforcement

An upper trough was over western New Mexico with plenty of lift and moisture across West Texas. There was a dryline in place across the eastern Permian Basin. The atmosphere was very unstable and wind shear values were very good. These conditions allowed for storms with large hail to develop across West Texas.

**(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY**

05/16/17 13:23 MST	0	High Wind (MAX 58 kt)
05/17/17 04:52 MST	0	

A strong upper low passed over the area and resulted in high winds in the Guadalupe Mountains.

**MIDLAND COUNTY --- 3.0 W WARFIELD [31.92, -102.28]**

05/16/17 20:14 CST	0	Hail (1.00 in)
05/16/17 20:19 CST	0	Source: NWS Employee

**MIDLAND COUNTY --- 1.1 NE (MAF) MIDLAND INTL [31.94, -102.19]**

05/16/17 20:22 CST	0	Hail (0.88 in)
05/16/17 20:27 CST	0	Source: Official NWS Observations

**MIDLAND COUNTY --- 4.3 W MIDLAND [32.01, -102.15]**

05/16/17 20:28 CST	0	Hail (1.75 in)
05/16/17 20:33 CST	0	Source: Amateur Radio

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>MIDLAND COUNTY --- MIDLAND [32.00, -102.08]</b>				
	05/16/17 20:29 CST		0	Hail (1.00 in)
	05/16/17 20:34 CST		0	Source: Fire Department/Rescue
<b>MIDLAND COUNTY --- 4.2 WSW MIDLAND [31.98, -102.15]</b>				
	05/16/17 20:30 CST		0	Hail (1.50 in)
	05/16/17 20:35 CST		0	Source: Amateur Radio
<b>MIDLAND COUNTY --- 4.8 W MIDLAND [32.00, -102.16]</b>				
	05/16/17 20:30 CST		0	Hail (1.00 in)
	05/16/17 20:35 CST		0	Source: NWS Employee
<b>DAWSON COUNTY --- ACKERLY [32.52, -101.72]</b>				
	05/16/17 20:31 CST		0	Hail (1.00 in)
	05/16/17 20:36 CST		0	Source: Social Media
<b>MIDLAND COUNTY --- 2.6 WNW GREENWOOD [32.01, -101.96]</b>				
	05/16/17 20:40 CST		0	Hail (1.75 in)
	05/16/17 20:45 CST		0	Source: Public
<p>An upper level low pressure system was over the southern Rocky Mountains and a dryline was across the Permian Basin. There was also an eastward advancing Pacific cold front which collided with the dryline. Large scale lift was over the region and there was strong wind shear and good instability across the area. These conditions contributed to thunderstorms with large hail across the Permian Basin.</p>				
<b>(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY</b>				
	05/18/17 05:38 MST		0	High Wind (MAX 56 kt)
	05/18/17 11:38 MST		0	
<p>Strong westerly winds aloft at the base of an upper trough resulted in high winds in the Guadalupe Mountains.</p>				
<b>MITCHELL COUNTY --- COLORADO CITY [32.40, -100.85]</b>				
	05/19/17 01:45 CST		0	Hail (1.25 in)
	05/19/17 01:50 CST		0	Source: Law Enforcement
<b>MITCHELL COUNTY --- 1.8 N LONGFELLOW [32.48, -100.80], 1.6 N LONGFELLOW [32.47, -100.80], 2.8 NE LONGFELLOW [32.48, -100.77], 2.9 NE LONGFELLOW [32.48, -100.77]</b>				
	05/19/17 03:00 CST		1K	Flash Flood (due to Heavy Rain)
	05/19/17 11:30 CST		0	Source: Trained Spotter
<p>Heavy rain fell across Mitchell County and produced flash flooding northeast of Colorado City. At 10 am CDT, water was three to four feet deep over a portion of Farm to Market Road 1982. The cost of damage is a very rough estimate.</p>				
<b>MITCHELL COUNTY --- 5.9 SSE COLORADO CITY [32.32, -100.82]</b>				
	05/19/17 03:00 CST		0	Thunderstorm Wind (EG 52 kt)
	05/19/17 03:00 CST		0	Source: Public
<p>A thunderstorm moved across Mitchell County and produced a 60 mph wind gust around Lake Champion.</p>				
<b>MITCHELL COUNTY --- 5.9 SSE COLORADO CITY [32.32, -100.82]</b>				
	05/19/17 03:00 CST		0	Hail (1.00 in)
	05/19/17 03:05 CST		0	Source: Public
<b>HOWARD COUNTY --- 2.0 N FORSAN [32.15, -101.37]</b>				
	05/19/17 03:30 CST		0	Hail (1.75 in)
	05/19/17 03:35 CST		0	Source: Public
<b>ECTOR COUNTY --- 5.0 W ODESSA [31.85, -102.46]</b>				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/19/17 04:52 CST		0	Hail (1.50 in)
	05/19/17 04:57 CST		0	Source: Social Media
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<b>ECTOR COUNTY --- 1.0 S ODESSA [31.84, -102.37]</b>				
	05/19/17 05:05 CST		0	Hail (1.00 in)
	05/19/17 05:10 CST		0	Source: Social Media
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<b>MITCHELL COUNTY --- 5.1 NNE SPADE [32.31, -100.92]</b>				
	05/19/17 06:45 CST		0	Heavy Rain
	05/19/17 08:00 CST		0	Source: Park/Forest Service
<p>Heavy rain fell southwest of Colorado City. There was four inches of water running over the road at Highway 163 and FM 2836 at Lake Colorado City State Park.</p>				
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<b>MIDLAND COUNTY --- 2.5 NE GREENWOOD [32.03, -101.89], 2.4 NE GREENWOOD [32.03, -101.89], 3.1 NE GREENWOOD [32.03, -101.88], 3.2 NE GREENWOOD [32.03, -101.88]</b>				
	05/19/17 07:00 CST		0.50K	Flash Flood (due to Heavy Rain)
	05/19/17 08:30 CST		0	Source: NWS Employee
<p>Heavy rain fell across Midland County and produced flash flooding in Greenwood. There was one foot of water over Highway 307 in Greenwood. The cost of damage is a very rough estimate.</p>				
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<b>MITCHELL COUNTY --- 1.4 W COLORADO CITY [32.40, -100.87], 0.1 W COLORADO CITY [32.40, -100.85], 1.0 S COLORADO CITY [32.39, -100.85], 1.6 SW COLORADO CITY [32.38, -100.87]</b>				
	05/19/17 08:31 CST		0	Flash Flood (due to Heavy Rain)
	05/19/17 09:30 CST		0	Source: Fire Department/Rescue
<p>Heavy rain fell across Mitchell County and produced flash flooding in Colorado City. There was four to six inches of water running over the roads in Colorado City.</p>				
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<b>SCURRY COUNTY --- INADALE [32.53, -100.68]</b>				
	05/19/17 08:45 CST		0	Hail (1.00 in)
	05/19/17 08:50 CST		0	Source: Public
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<b>MITCHELL COUNTY --- 1.6 S LORAIN [32.40, -100.72], 1.5 S LORAIN [32.40, -100.72], 2.6 S LORAIN [32.38, -100.71], 2.6 S LORAIN [32.38, -100.72]</b>				
	05/19/17 10:35 CST		0.50K	Flood (due to Heavy Rain)
	05/19/17 13:00 CST		0	Source: Law Enforcement
<p>Heavy rain fell across Mitchell County and produced flooding south of Lorain. Ranch Road 644 south of Lorain was closed due to high water. The cost of damage is a very rough estimate.</p>				
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<b>MITCHELL COUNTY --- 1.6 WSW SPADE [32.24, -100.99], 1.4 WSW SPADE [32.24, -100.99], 1.6 SW SPADE [32.23, -100.99], 1.7 SW SPADE [32.23, -100.99]</b>				
	05/19/17 10:35 CST		1K	Flood (due to Heavy Rain)
	05/19/17 13:00 CST		0	Source: Law Enforcement
<p>Heavy rain fell across Mitchell County and produced flooding south of Westbrook. FM 670 was closed and was impassable due to water running out of the fields and across the road. The cost of damage is a very rough estimate.</p>				
<p><b>An upper level trough was over the Rocky Mountains and a dryline was present across West Texas. An upper level disturbance associated with the upper trough moved over the area. Good instability and wind shear were also present. A low level jet stream was over the area along with upper level jet streams aiding in lift. These conditions allowed for large hail to develop across West Texas. Due to the positioning of the low level jet with the dryline, training of storms took place which resulted in flash flooding.</b></p>				
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<b>BREWSTER COUNTY --- CASTOLON [29.13, -103.52]</b>				
	05/21/17 07:35 CST		0	Hail (1.25 in)
	05/21/17 07:40 CST		0	Source: Park/Forest Service
<p>There was an upper disturbance that moved over the region from Mexico. Good instability and moisture were also across the area. These conditions resulted in storms with large hail developing along the Rio Grande and Big Bend area.</p>				
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<b>PECOS COUNTY --- 10.0 W FT STOCKTON [30.88, -103.04]</b>				

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	05/22/17 17:52 CST		0	Hail (1.00 in)
	05/22/17 17:57 CST		0	Source: Public

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### REEVES COUNTY --- 11.0 SE ORLA [31.71, -103.77]

	05/22/17 19:32 CST		0	Thunderstorm Wind (MG 51 kt)
	05/22/17 19:32 CST		0	Source: Trained Spotter

A thunderstorm moved across Reeves County and produced a 59 mph wind gust eleven miles southeast of Orla.

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### WINKLER COUNTY --- (INK)WINKLER CO ARPT [31.78, -103.20]

	05/22/17 19:39 CST		0	Thunderstorm Wind (MG 54 kt)
	05/22/17 19:39 CST		0	Source: ASOS

A thunderstorm moved across Winkler County and produced a 62 mph wind gust at the Winkler County Airport.

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### ECTOR COUNTY --- 5.0 ENE ODESSA [31.88, -102.29]

	05/22/17 20:34 CST		0	Thunderstorm Wind (EG 52 kt)
	05/22/17 20:34 CST		0	Source: NWS Employee

A thunderstorm moved across Ector County and produced a 60 mph wind gust five miles east northeast of Odessa.

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### MIDLAND COUNTY --- 6.0 SW MIDLAND [31.94, -102.15]

	05/22/17 20:41 CST		0	Thunderstorm Wind (EG 52 kt)
	05/22/17 20:41 CST		0	Source: Trained Spotter

A thunderstorm moved across Midland County and produced a 60 mph wind gust six miles southwest of Midland.

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### REAGAN COUNTY --- 28.0 N BEST [31.64, -101.63]

	05/22/17 21:30 CST		0	Thunderstorm Wind (MG 55 kt)
	05/22/17 21:30 CST		0	Source: Mesonet

A thunderstorm moved across Reagan County and produced a 63 mph wind gust five miles southwest of St. Lawrence.

**An upper level trough moved over the region from the Rocky Mountains and provided an increase in lift. There was good instability, moisture, and wind shear across the area. These conditions resulted in thunderstorms developing with large hail and strong winds across southeast New Mexico and West Texas.**

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### (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY

	05/25/17 15:38 MST		0	High Wind (MAX 52 kt)
	05/25/17 19:38 MST		0	

**A belt of stronger mid level winds mixed down to the surface due to good heating and resulted in high winds in the Guadalupe Mountains.**

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### (TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY

	05/28/17 04:51 MST		0	High Wind (MAX 41 kt)
	05/28/17 08:51 MST		0	

**High winds occurred in Guadalupe Pass behind a strong cold front.**

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### BREWSTER COUNTY --- 0.6 E TERLINGUA [29.33, -103.59]

	05/29/17 18:20 CST		0	Hail (1.75 in)
	05/29/17 18:30 CST		0	Source: CoCoRaHS

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### JEFF DAVIS COUNTY --- FT DAVIS [30.58, -103.88]

	05/29/17 19:31 CST		0	Hail (1.00 in)
	05/29/17 19:36 CST		0	Source: Trained Spotter

**There was weak mid-level ridging from New Mexico into the Big Bend region. An upper level disturbance moved over the area with good heating of the higher terrain. There was good wind shear, instability, and moisture across the area. These conditions produced thunderstorms with large hail in and near the Big Bend and Davis Mountains.**

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<b>BREWSTER COUNTY --- LAJITAS [29.28, -103.78]</b>				
	05/30/17 19:30 CST		0	Hail (1.00 in)
	05/30/17 19:35 CST		0	Source: Public

There was an upper level trough over Southern California with southeast surface winds across West Texas which brought in a plentiful supply of low-level moisture. Good lift and instability were over the area. These conditions resulted in a storm near the Rio Grande which produced large hail.

<b>ECTOR COUNTY --- 1.9 NW ODESSA ECTOR CO ARPT [31.94, -102.40], 2.0 NW ODESSA ECTOR CO ARPT [31.94, -102.40], 2.1 NW ODESSA ECTOR CO ARPT [31.94, -102.40], 2.1 NW ODESSA ECTOR CO ARPT [31.94, -102.40]</b>				
	05/31/17 19:45 CST		1K	Flash Flood (due to Heavy Rain)
	05/31/17 20:25 CST		0	Source: Public

Heavy rain fell across Ector County and produced flash flooding on the north end of Odessa. There was 12 to 18 inches of water at Andrews Highway and 91st Street making the road impassable. A car was stranded. The cost of damage is a very rough estimate.

An upper trough was moving over the Pacific Northwest with an upper disturbance moving over West Texas. Very good moisture and instability were present across the area. These conditions resulted in thunderstorms developing and moving across West Texas with heavy rain and flash flooding due to slow storm motions.