

## Storm Data and Unusual Weather Phenomena - May 2019

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

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#### LEA COUNTY --- 8.0 N HOBBS [32.82, -103.13]

	05/03/19 13:40 MST	0	Hail (1.00 in)
	05/03/19 13:45 MST	0	Source: Public

An upper level trough was moving from over the Rocky Mountains to southeast New Mexico and West Texas which provided lift. A dryline was present across the area with good moisture to the east of this feature. Strong instability and wind shear were also present. A cold front was also beginning to move into the area during the evening hours. These conditions resulted in thunderstorms developing with large hail, strong winds, and a tornado across West Texas and southeast New Mexico.

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#### LEA COUNTY --- 7.0 S TATUM [33.15, -103.32]

	05/04/19 16:31 MST	0	Hail (0.75 in)
	05/04/19 16:36 MST	0	Source: Storm Chaser

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#### LEA COUNTY --- 3.0 E MC DONALD [33.13, -103.27]

	05/04/19 16:37 MST	0	Hail (1.75 in)
	05/04/19 16:42 MST	0	Source: Trained Spotter

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#### LEA COUNTY --- 4.0 E MC DONALD [33.13, -103.25]

	05/04/19 16:45 MST	0	Hail (1.75 in)
	05/04/19 16:50 MST	0	Source: Storm Chaser

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#### LEA COUNTY --- 7.0 ESE MC DONALD [33.09, -103.21]

	05/04/19 17:15 MST	0	Hail (1.25 in)
	05/04/19 17:20 MST	0	Source: Storm Chaser

The hail covered the road seven miles east southeast of McDonald.

The dryline was backed up to the mountains of West Texas and southeast New Mexico. An upper level disturbance moved over the region which provided additional lift. Good instability and wind shear were in place. These conditions resulted in thunderstorms producing large hail across southeast New Mexico and West Texas.

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*Golfball sized hail fell south of Tatum, near McDonald. Photo is courtesy of Max Olson.*

**EDDY COUNTY --- 2.0 S CARLSBAD [32.39, -104.23]**

	05/16/19 17:51 MST	0	Hail (0.88 in)	
	05/16/19 17:55 MST	0	Source: Trained Spotter	

**EDDY COUNTY --- 3.4 S CARLSBAD [32.37, -104.23]**

	05/16/19 18:07 MST	0	Hail (1.75 in)	
	05/16/19 18:12 MST	0	Source: Public	

A thunderstorm produced mostly quarter sized hail and a few golf ball sized hail stones at the La Quinta Inn and Suites on Highway 62 south of Carlsbad.

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

	05/16/19 18:07 MST	0	Hail (1.00 in)	
	05/16/19 18:12 MST	0	Source: Public	

**EDDY COUNTY --- 7.0 NW CARLSBAD [32.49, -104.31]**

	05/16/19 19:00 MST	0	Hail (1.00 in)	
	05/16/19 19:05 MST	0	Source: Public	

An upper level ridge was over the Southern Plains with an upper level trough over the west coast. An upper level disturbance moved over southeast New Mexico and West Texas. A dryline developed across the area with good moisture to the east of the dryline. Good wind shear and instability were present. These conditions resulted in thunderstorms that produced hail in southeast New Mexico.

**(NM-Z027) GUADALUPE MOUNTAINS OF EDDY COUNTY**

	05/17/19 11:00 MST	0	High Wind (MAX 52 kt)	
	05/17/19 15:00 MST	0		

An upper level storm system moving through the Rockies resulted in high winds through the Guadalupe Mountains.

**(NM-Z027) GUADALUPE MOUNTAINS OF EDDY COUNTY**

	05/18/19 08:00 MST	0	High Wind (MAX 52 kt)	
	05/18/19 14:00 MST	0		

An upper level storm system passing to the north of the area resulted in high winds in the Guadalupe and Delaware Mountains.

**(NM-Z027) GUADALUPE MOUNTAINS OF EDDY COUNTY, (NM-Z028) EDDY COUNTY PLAINS**

	05/20/19 21:00 MST	0	High Wind (MAX 60 kt)	
	05/21/19 01:30 MST	0		

A strong storm system impacted the region resulting in strong winds from the Guadalupe to the Davis Mountains as well as the adjacent plains.

**LEA COUNTY --- 0.8 W JAL [32.12, -103.19]**

	05/25/19 13:18 MST	0	Hail (1.50 in)	
	05/25/19 13:23 MST	0	Source: Public	

**LEA COUNTY --- 0.8 W JAL [32.12, -103.19]**

	05/25/19 13:25 MST	0	Hail (2.00 in)	
	05/25/19 13:30 MST	0	Source: Law Enforcement	

**LEA COUNTY --- 2.5 E AIR BASE CITY [32.66, -103.13]**

	05/25/19 14:05 MST	0	Hail (2.00 in)	
	05/25/19 14:10 MST	0	Source: Broadcast Media	

## Storm Data and Unusual Weather Phenomena - May 2019

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An upper level trough was over the western part of the country, and an upper disturbance moved over West Texas and southeast New Mexico along the eastern edge of the upper trough. A dryline was backed up against the mountains of West Texas and southeast New Mexico with very moist air to the east of this feature. Good instability and wind shear were present. These conditions resulted in thunderstorms that produced large hail in West Texas and southeast New Mexico.

### TEXAS, West

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#### MITCHELL COUNTY --- 0.7 SSE LORAINE [32.41, -100.72]

05/01/19 15:38 CST	0	Hail (0.75 in)
05/01/19 15:43 CST	0	Source: Trained Spotter

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#### MITCHELL COUNTY --- 1.6 SE LORAINE [32.40, -100.70]

05/01/19 15:43 CST	0	Hail (1.00 in)
05/01/19 15:48 CST	0	Source: Public

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#### MITCHELL COUNTY --- 1.0 WSW LORAINE [32.41, -100.73]

05/01/19 15:45 CST	0	Hail (1.00 in)
05/01/19 15:50 CST	0	Source: Trained Spotter

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#### MITCHELL COUNTY --- 1.2 SW LORAINE [32.41, -100.74]

05/01/19 15:50 CST	0	Hail (1.00 in)
05/01/19 15:55 CST	0	Source: Public

An upper level trough was over the Rocky Mountains and a dryline was across the Permian Basin. Good moisture and instability were present east of the dryline. These conditions contributed to thunderstorms with hail in Mitchell County.

## Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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*A thunderstorm produced quarter sized hail west of Loraine. Photo is courtesy of Shannon Tubb.*

<b>PECOS COUNTY --- 1.6 NE SHEFFIELD [30.69, -101.81]</b>	05/02/19 16:17 CST	0	Hail (1.00 in)
	05/02/19 16:22 CST	0	Source: Trained Spotter
<b>PECOS COUNTY --- 1.1 NNE SHEFFIELD [30.69, -101.83]</b>	05/02/19 16:20 CST	0	Hail (1.50 in)
	05/02/19 16:25 CST	0	Source: Public
<b>PECOS COUNTY --- 1.1 NNE SHEFFIELD [30.69, -101.83]</b>	05/02/19 16:57 CST	0	Hail (1.75 in)
	05/02/19 17:02 CST	0	Source: Public
<b>PECOS COUNTY --- 37.0 SE FT STOCKTON [30.50, -102.43]</b>	05/02/19 18:05 CST	0	Hail (1.00 in)
	05/02/19 18:10 CST	0	Source: Trained Spotter
<b>BREWSTER COUNTY --- 8.0 NNW PANTHER JUNCTION [29.41, -103.35]</b>	05/02/19 19:02 CST	0	Hail (1.00 in)
	05/02/19 19:07 CST	0	Source: Park/Forest Service

## Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>TERRELL COUNTY --- 0.4 SE DRYDEN [30.05, -102.12]</b>				
	05/02/19 19:09 CST		0	Hail (1.00 in)
	05/02/19 19:14 CST		0	Source: Public
<p>An upper level trough was over the western part of the country, and an upper level disturbance moved over West Texas during the overnight hours. A cold front was moving southward across the area, and there was a dryline south of the Pecos River. There was very good moisture, instability, and wind shear south of the cold front and east of the dryline. These conditions produced thunderstorms with large hail across the Lower Trans Pecos and the Big Bend area.</p>				
<b>BREWSTER COUNTY --- 13.3 N HAYMOND [30.32, -103.02], 13.4 N HAYMOND [30.32, -103.02]</b>				
	05/03/19 11:59 CST		0	Tornado (EF0, L: 0.08 mi , W: 50 yd)
	05/03/19 12:00 CST		0	Source: Public
<p>A thunderstorm produced a landspout tornado about 15 miles northeast of Marathon. The tornado was viewed from Highway 385 from a distance of 20 miles northeast of Marathon. Review of images and radar data suggest that the landspout was located approximately 15 miles northeast of Marathon. The tornado remained over open fields east of Highway 385, and no damage was observed.</p>				
<b>WARD COUNTY --- PYOTE [31.53, -103.13]</b>				
	05/03/19 15:40 CST		5K	Hail (2.50 in)
	05/03/19 15:45 CST		0	Source: Public
<p>A thunderstorm moved across Ward County and produced tennis ball sized hail in Pyote. The hail resulted in broken wind shields. The cost of damage is a very rough estimate.</p>				
<b>WINKLER COUNTY --- 21.0 NE KERMIT [32.06, -102.83]</b>				
	05/03/19 15:45 CST		1K	Hail (2.50 in)
	05/03/19 15:50 CST		0	Source: Public
<p>A thunderstorm moved across Winkler County and produced tennis ball sized hail 21 miles northeast of Kermit. The hail resulted in broken skylights. The cost of damage is a very rough estimate.</p>				
<b>REEVES COUNTY --- 42.0 E TOYAH [31.32, -103.07]</b>				
	05/03/19 16:45 CST		0	Hail (2.75 in)
	05/03/19 16:50 CST		0	Source: Trained Spotter
<b>PECOS COUNTY --- 7.1 NW COYANOSA [31.26, -103.07]</b>				
	05/03/19 16:47 CST		0	Thunderstorm Wind (MG 53 kt)
	05/03/19 16:47 CST		0	Source: Trained Spotter
<p>A thunderstorm moved across Pecos County and produced a 61 mph wind gust one mile north of Coyanosa.</p>				
<b>PECOS COUNTY --- 6.0 NW COYANOSA [31.24, -103.06]</b>				
	05/03/19 16:49 CST		5K	Hail (2.75 in)
	05/03/19 16:54 CST		0	Source: Public
<p>A thunderstorm produced baseball sized hail in Coyanosa. The hail resulted in broken windshields. The cost of damage is a very rough estimate.</p>				
<b>PECOS COUNTY --- 7.0 NW COYANOSA [31.25, -103.07]</b>				
	05/03/19 16:49 CST		0	Hail (2.00 in)
	05/03/19 16:54 CST		0	Source: Trained Spotter
<b>GLASSCOCK COUNTY --- 7.0 N ST LAWRENCE [31.77, -101.50], 6.8 S GARDEN CITY [31.77, -101.50]</b>				
	05/03/19 17:34 CST		0	Tornado (EF0, L: 0.05 mi , W: 50 yd)
	05/03/19 17:35 CST		0	Source: Social Media
<p>A thunderstorm produced a landspout tornado seven miles north of St. Lawrence. The landspout remained over open field and no damage was reported.</p>				

An upper level trough was moving from over the Rocky Mountains to southeast New Mexico and West Texas which provided lift. A dryline was present across the area with good moisture to the east of this feature. Strong instability and wind shear were also present. A cold front was also beginning to move into the area during the evening hours. These conditions resulted in thunderstorms developing with large hail, strong winds, and a couple of tornadoes across West Texas and southeast New Mexico.

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*A thunderstorm produced a landspout tornado 15 miles northeast of Marathon. No damage was reported. Photo is courtesy of Jacob Ciha.*

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**BREWSTER COUNTY --- 22.0 NE PANTHER JUNCTION [29.53, -103.04]**

05/04/19 18:10 CST	0		Hail (2.00 in)
05/04/19 18:15 CST	0		Source: Park/Forest Service

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**GAINES COUNTY --- 4.0 E HIGGINBOTHAM [32.90, -102.91]**

05/04/19 18:48 CST	0		Hail (1.75 in)
05/04/19 18:53 CST	0		Source: Trained Spotter

The dryline was backed up to the mountains of West Texas and southeast New Mexico. An upper level disturbance moved over the region which provided additional lift. Good instability and wind shear were in place. These conditions resulted in thunderstorms producing large hail across southeast New Mexico and West Texas.

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*Two inch hail fell 22 miles northeast of Panther Junction. Photo is courtesy of RM8120.*

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**PECOS COUNTY --- 9.0 W FT STOCKTON [30.88, -103.02]**

05/05/19 15:53 CST		0	Hail (1.75 in)
05/05/19 15:58 CST		0	Source: Public

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

05/05/19 15:54 CST		0	Hail (1.00 in)
05/05/19 15:59 CST		0	Source: Public

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**PECOS COUNTY --- BELDING [30.78, -103.02]**

05/05/19 16:04 CST		0.10M	Thunderstorm Wind (EG 87 kt)
05/05/19 16:05 CST		0	Source: Emergency Manager

A thunderstorm moved across Pecos County and produced thunderstorm damage in Belding. There were about 15 power poles knocked down, a metal roof was blown off of a building, and multiple hay barns collapsed on a local farm. A storm survey was done and it is estimated that the winds ranged from 85 to 100 mph. The cost of damage is a very rough estimate.

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**PECOS COUNTY --- 12.0 SW FT STOCKTON [30.76, -103.01]**

05/05/19 16:20 CST		0.50K	Hail (1.00 in)
05/05/19 16:25 CST		0	Source: Law Enforcement

A thunderstorm produced one inch hail 12 miles southwest of Fort Stockton. There were broken windows reported. The cost of damage is a very rough estimate.

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**PECOS COUNTY --- BELDING [30.78, -103.02]**

05/05/19 16:23 CST		0	Hail (1.75 in)
05/05/19 16:28 CST		0	Source: Emergency Manager

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**WINKLER COUNTY --- 15.9 ENE CHEYENNE [32.07, -102.89]**

05/05/19 16:27 CST		0	Hail (1.00 in)
05/05/19 16:30 CST		0	Source: Trained Spotter

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

05/05/19 16:44 CST		0	Hail (0.88 in)
05/05/19 16:49 CST		0	Source: Public

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**ANDREWS COUNTY --- 1.0 NW ANDREWS [32.33, -102.56]**

05/05/19 17:15 CST		0	Hail (1.75 in)
05/05/19 17:20 CST		0	Source: Trained Spotter

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**ANDREWS COUNTY --- 1.0 SW ANDREWS [32.31, -102.56]**

05/05/19 17:19 CST		0	Hail (1.50 in)
05/05/19 17:24 CST		0	Source: Public

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**ANDREWS COUNTY --- ANDREWS [32.32, -102.55]**

05/05/19 17:19 CST		0	Hail (1.75 in)
05/05/19 17:24 CST		0	Source: Public

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**DAWSON COUNTY --- 2.0 E KEY [32.72, -101.77]**

05/05/19 19:10 CST		0	Thunderstorm Wind (MG 52 kt)
05/05/19 19:10 CST		0	Source: Trained Spotter

A thunderstorm moved across Dawson County and produced a 60 mph wind gust two miles east of Key. There was blowing dust with the winds.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>BORDEN COUNTY --- 13.0 W GAIL [32.77, -101.65]</b>				
	05/05/19 19:34 CST	0		Hail (1.50 in)
	05/05/19 19:39 CST	0		Source: Trained Spotter
<b>BORDEN COUNTY --- 10.0 W GAIL [32.77, -101.60]</b>				
	05/05/19 19:37 CST	0		Hail (2.00 in)
	05/05/19 19:42 CST	0		Source: Trained Spotter
<b>BORDEN COUNTY --- 10.0 W GAIL [32.77, -101.60]</b>				
	05/05/19 19:47 CST	0		Hail (3.00 in)
	05/05/19 19:52 CST	0		Source: Trained Spotter
<b>BORDEN COUNTY --- 3.3 W GAIL [32.77, -101.49]</b>				
	05/05/19 19:47 CST	0		Hail (3.50 in)
	05/05/19 19:52 CST	0		Source: Trained Spotter
<b>BORDEN COUNTY --- 3.4 W GAIL [32.77, -101.49]</b>				
	05/05/19 19:47 CST	0		Hail (3.00 in)
	05/05/19 19:52 CST	0		Source: Trained Spotter
<b>BORDEN COUNTY --- 7.0 SW GAIL [32.70, -101.52], 6.6 SW GAIL [32.70, -101.51]</b>				
	05/05/19 19:59 CST	0		Tornado (EF0, L: 0.42 mi , W: 50 yd)
	05/05/19 20:00 CST	0		Source: Storm Chaser
A thunderstorm produced a brief rope tornado seven miles southwest of Gail. The path width and length were estimated and no damage was reported.				
<b>BORDEN COUNTY --- 1.2 W GAIL [32.77, -101.45]</b>				
	05/05/19 20:29 CST	0		Hail (1.00 in)
	05/05/19 20:34 CST	0		Source: Law Enforcement

An upper trough was approaching the California coast and a flat ridge was building over West Texas and southeast New Mexico. A dryline was across the area and the atmosphere was extremely unstable. Wind shear was also good across the area. These conditions resulted in thunderstorms producing large hail, strong winds, and a tornado across areas of West Texas.

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**Anthony Franze**

May 5 at 6:17 PM · 🌐



Check out this golf ball sized hail in Andrews just a few minutes ago!

Photo Courtesy: Rhonda Dominguez



*A thunderstorm produced golf ball sized hail in Andrews. Photo courtesy of Rhonda Dominguez.*

**GAINES COUNTY --- 2.0 NNE SEMINOLE [32.75, -102.64]**

05/07/19 06:40 CST	0	Thunderstorm Wind (MG 55 kt)
05/07/19 06:40 CST	0	Source: Mesonet

A thunderstorm moved across Gaines County and produced a wind gust of 63 mph near Seminole.

**ANDREWS COUNTY --- 1.5 S FLOREY [32.43, -102.58]**

05/07/19 15:32 CST	0	Hail (2.00 in)
05/07/19 15:37 CST	0	Source: Public

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<b>PECOS COUNTY --- 8.8 SE COYANOSA [31.08, -102.89]</b>				
	05/07/19 15:32 CST	0		Hail (1.50 in)
	05/07/19 15:37 CST	0		Source: Emergency Manager
<b>PECOS COUNTY --- 11.2 SE COYANOSA [31.08, -102.84], 11.4 NNE FT STOCKTON ARPT FST [31.07, -102.83]</b>				
	05/07/19 15:48 CST	0		Tornado (EF0, L: 2.00 mi , W: 200 yd)
	05/07/19 15:54 CST	0		Source: Law Enforcement
A thunderstorm produced a tornado approximately 13 miles north of Fort Stockton, just east of State Highway 18 over open country. The tornado became rain-wrapped which caused difficulty in viewing the entire life cycle of the tornado. The tornado continued to around 12 miles north northeast of Fort Stockton. No damage was reported with this tornado. The peak wind was estimated to be around 80 mph.				
<b>PECOS COUNTY --- 14.0 N FT STOCKTON [31.08, -102.87]</b>				
	05/07/19 15:48 CST	0		Hail (2.75 in)
	05/07/19 15:53 CST	0		Source: Law Enforcement
<b>WINKLER COUNTY --- 3.6 NE WINK JCT STATION [31.79, -103.07]</b>				
	05/07/19 16:15 CST	0		Hail (1.00 in)
	05/07/19 16:20 CST	0		Source: Public
<b>PECOS COUNTY --- 10.8 WNW BALDRIDGE [31.10, -102.79]</b>				
	05/07/19 16:16 CST	0		Hail (2.75 in)
	05/07/19 16:21 CST	0		Source: Emergency Manager
<b>ANDREWS COUNTY --- 15.0 W ANDREWS [32.32, -102.81]</b>				
	05/07/19 16:30 CST	0		Hail (1.00 in)
	05/07/19 16:35 CST	0		Source: Public
<b>GAINES COUNTY --- SEMINOLE [32.72, -102.65]</b>				
	05/07/19 16:56 CST	0		Hail (1.75 in)
	05/07/19 17:01 CST	0		Source: Emergency Manager
<b>GAINES COUNTY --- SEMINOLE [32.72, -102.65]</b>				
	05/07/19 16:58 CST	0		Hail (2.50 in)
	05/07/19 17:03 CST	0		Source: Trained Spotter
<b>GAINES COUNTY --- SEMINOLE [32.72, -102.65]</b>				
	05/07/19 17:08 CST	0		Hail (2.00 in)
	05/07/19 17:13 CST	0		Source: Public
<b>PECOS COUNTY --- 1.9 N FT STOCKTON [30.91, -102.88]</b>				
	05/07/19 17:30 CST	0		Hail (1.25 in)
	05/07/19 17:35 CST	0		Source: Emergency Manager
<b>PECOS COUNTY --- 10.6 S BALDRIDGE [30.88, -102.65]</b>				
	05/07/19 18:11 CST	0		Hail (2.50 in)
	05/07/19 18:16 CST	0		Source: Emergency Manager
<b>PECOS COUNTY --- 13.0 E FT STOCKTON [30.88, -102.65]</b>				
	05/07/19 18:18 CST	0		Hail (3.00 in)
	05/07/19 18:23 CST	0		Source: Public
<b>PECOS COUNTY --- 5.0 WNW BAKERSFIELD [30.91, -102.36], 4.4 NNW BAKERSFIELD [30.94, -102.30]</b>				
	05/07/19 18:35 CST	0		Tornado (EF0, L: 4.13 mi , W: 450 yd)
	05/07/19 18:49 CST	0		Source: Trained Spotter

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				A thunderstorm produced a tornado about three and a half miles northwest of Bakersfield. The tornado became rain-wrapped and remained over open country. The tornado ended about three miles north northwest of Bakersfield. No damage was reported with this tornado. The estimated peak wind of the tornado was 80 mph.

**An upper level trough was over Arizona and New Mexico with a dryline across parts of southeast New Mexico and West Texas. Very good moisture and instability were present to the east of the dryline. Good wind shear (changing wind direction and speed with height) was present as well as an area of increase in upper level winds (upper jet) which resulted in an increase in upper lift. The combination of good lift, moisture, instability, and wind shear contributed to thunderstorms with large hail, strong winds, and a tornado across parts of West Texas.**

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*A thunderstorm moved across Andrews County and produced two inch hail north of the town of Andrews on Highway 385 and 1967. Photo is courtesy of Max Windle.*

ECTOR COUNTY --- 6.4 ESE ODESSA ECTOR CO ARPT [31.90, -102.27]

05/10/19 09:47 CST

0

Hail (1.00 in)

05/10/19 09:52 CST

0

Source: NWS Employee

A thunderstorm produced one inch hail that coated the ground in Odessa.

An upper level trough was over the western half of the country, and an upper level disturbance moved northeast out of Mexico and into West Texas. Good moisture was across the area behind a recent cold front passage. These conditions contributed to a storm with hail across the Permian Basin.



*A thunderstorm produced one inch hail in east Odessa. Photo is courtesy of Misty Ortegon.*

ECTOR COUNTY --- 2.0 SE ODESSA [31.83, -102.35]

05/13/19 13:52 CST

0

Hail (0.75 in)

05/13/19 13:57 CST

0

Source: Trained Spotter

MIDLAND COUNTY --- 4.0 W MIDLAND [32.00, -102.15]

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	05/13/19 14:30 CST		0	Hail (0.88 in)
	05/13/19 14:35 CST		0	Source: Public
<hr/>				
<b>ECTOR COUNTY --- 0.6 N ODESSA [31.86, -102.37], 0.6 N ODESSA [31.86, -102.37], 0.6 N ODESSA [31.86, -102.37], 0.6 N ODESSA [31.86, -102.37]</b>				
	05/13/19 15:00 CST		0	Flash Flood (due to Heavy Rain)
	05/13/19 16:30 CST		0	Source: Social Media
<p>Heavy rain moved across Ector County and produced flash flooding in Odessa. The water was half way up the wheels of a vehicle. No damage was reported.</p> <p><b>An upper level low was over far West Texas which increased lift across the area. There was good instability and wind shear present. These conditions resulted in hail and flash flooding across the Permian Basin.</b></p>				
<hr/>				
<b>(TX-Z270) GUADALUPE MOUNTAINS ABOVE 7000 FEET</b>				
	05/17/19 10:00 CST		0	High Wind (MAX 59 kt)
	05/17/19 16:00 CST		0	
<p><b>An upper level storm system moving through the Rockies resulted in high winds through the Guadalupe Mountains.</b></p>				
<hr/>				
<b>PECOS COUNTY --- 7.1 E FT STOCKTON [30.89, -102.75]</b>				
	05/17/19 14:48 CST		0	Hail (1.25 in)
	05/17/19 14:53 CST		0	Source: Trained Spotter
<hr/>				
<b>PECOS COUNTY --- 8.1 E FT STOCKTON [30.89, -102.73]</b>				
	05/17/19 14:54 CST		0	Hail (1.00 in)
	05/17/19 14:59 CST		0	Source: Fire Department/Rescue
<hr/>				
<b>PECOS COUNTY --- 8.0 E FT STOCKTON [30.89, -102.73]</b>				
	05/17/19 15:05 CST		0	Hail (1.75 in)
	05/17/19 15:10 CST		0	Source: Emergency Manager
<hr/>				
<b>PECOS COUNTY --- 10.6 S BALDRIDGE [30.88, -102.65]</b>				
	05/17/19 15:22 CST		0	Hail (1.00 in)
	05/17/19 15:27 CST		0	Source: NWS Employee
<hr/>				
<b>PECOS COUNTY --- 10.8 S BALDRIDGE [30.87, -102.62]</b>				
	05/17/19 15:30 CST		0	Hail (2.50 in)
	05/17/19 15:35 CST		0	Source: Emergency Manager
<hr/>				
<b>PECOS COUNTY --- 14.5 SSE BALDRIDGE [30.83, -102.56], 14.5 WSW BAKERSFIELD [30.84, -102.52]</b>				
	05/17/19 15:43 CST		0	Tornado (EF0, L: 2.41 mi , W: 100 yd)
	05/17/19 15:55 CST		0	Source: Trained Spotter
<p>A thunderstorm produced a tornado between Fort Stockton and Bakersfield in Pecos County. The thunderstorm tracked eastward along the Interstate 10 corridor. Trained spotters and emergency management witnessed the development of a tornado approximately two miles south of mile marker 279. The tornado traveled approximately two miles east northeast before spotters lost visual of the tornado as it became rain-wrapped. No damage was reported from this tornado and the path width is unknown. The estimated peak wind was 80 mph.</p>				
<hr/>				
<b>PECOS COUNTY --- 12.0 W IRAAN [30.92, -102.08]</b>				
	05/17/19 17:26 CST		0	Hail (1.50 in)
	05/17/19 17:31 CST		0	Source: Trained Spotter
<hr/>				
<b>PECOS COUNTY --- 1.0 WSW IRAAN [30.91, -101.90]</b>				
	05/17/19 17:59 CST		0	Hail (1.75 in)
	05/17/19 18:04 CST		0	Source: Fire Department/Rescue
<hr/>				
<b>PECOS COUNTY --- 1.0 WSW IRAAN [30.91, -101.90]</b>				
	05/17/19 18:00 CST		0	Hail (1.50 in)
	05/17/19 18:05 CST		0	Source: Public



## Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>PECOS COUNTY --- 1.0 WSW IRAAN [30.92, -101.90]</b>				
	05/17/19 18:05 CST		0	Hail (2.50 in)
	05/17/19 18:10 CST		0	Source: Public

An upper trough was over the western part of the country with a dryline across parts of West Texas. Very good instability and moisture were present east of the dryline. There was also good rotation in the atmosphere. These conditions resulted in thunderstorms with large hail and a tornado in Pecos County.



*A thunderstorm produced tennis ball sized hail between Fort Stockton and Bakersfield on I-10. Photo is courtesy of Jessie Dominguez.*

<b>(TX-Z270) GUADALUPE MOUNTAINS ABOVE 7000 FEET, (TX-Z271) GUADALUPE AND DELAWARE MOUNTAINS</b>				
	05/18/19 07:38 CST		0	High Wind (MAX 63 kt)
	05/18/19 15:51 CST		0	

An upper level storm system passing to the north of the area resulted in high winds in the Guadalupe and Delaware Mountains.

<b>DAWSON COUNTY --- 4.0 S SAND [32.64, -102.17]</b>				
	05/20/19 14:35 CST		0	Hail (1.00 in)
	05/20/19 14:40 CST		0	Source: Public

**ECTOR COUNTY --- 4.0 N ODESSA [31.91, -102.37]**

## Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/20/19 15:40 CST		0	Hail (1.00 in)
	05/20/19 15:45 CST		0	Source: Public
<hr/>				
<b>ECTOR COUNTY --- 3.8 NE ODESSA [31.89, -102.32]</b>				
	05/20/19 15:43 CST		0	Hail (1.00 in)
	05/20/19 15:48 CST		0	Source: Public
<hr/>				
<b>ECTOR COUNTY --- 3.1 NE ODESSA [31.89, -102.34]</b>				
	05/20/19 15:50 CST		0	Hail (1.75 in)
	05/20/19 15:55 CST		0	Source: Public
<hr/>				
<b>ECTOR COUNTY --- ODESSA [31.85, -102.37]</b>				
	05/20/19 16:00 CST		0	Hail (2.00 in)
	05/20/19 16:05 CST		0	Source: Public
<hr/>				
<b>ECTOR COUNTY --- 8.3 ENE ODESSA ECTOR CO ARPT [31.97, -102.25]</b>				
	05/20/19 16:01 CST		0	Hail (1.00 in)
	05/20/19 16:06 CST		0	Source: Public
<hr/>				
<b>ECTOR COUNTY --- 6.4 E ODESSA ECTOR CO ARPT [31.90, -102.27]</b>				
	05/20/19 16:06 CST		0	Hail (1.25 in)
	05/20/19 16:11 CST		0	Source: NWS Employee
<hr/>				
<b>ECTOR COUNTY --- 1.9 NE GREENFIELD ACRES [31.89, -102.38]</b>				
	05/20/19 16:08 CST		0	Hail (1.75 in)
	05/20/19 16:13 CST		0	Source: Public
<hr/>				
<b>ECTOR COUNTY --- 3.8 NNE PLEASANT FARMS [31.73, -102.30], 4.9 NNE PLEASANT FARMS [31.75, -102.29]</b>				
	05/20/19 16:23 CST		0.20M	Tornado (EF3, L: 1.29 mi , W: 225 yd)
	05/20/19 16:38 CST		0	Source: NWS Storm Survey
<hr/>				
<p>A thunderstorm moved across Ector County and produced a tornado southeast of Odessa. The tornado developed in Ector County approximately nine miles southeast of Odessa, northeast of the Pleasant Farms community, and moved northeastward into southwest portions of Midland County. The aerial survey of this tornado revealed a clearly defined path. Numerous power poles were broken. The survey also showed pump jacks and other oil field equipment that were toppled by the tornado. The tornado had a lifespan of 15 minutes. Based on research that occurred in association with the May 14, 2010 Notrees tornado, a tornado that also knocked down oil field pump jacks, this tornado was rated as an EF-3 tornado. The cost of damage is a very rough estimate.</p>				
<hr/>				
<b>MIDLAND COUNTY --- 12.5 SSW WARFIELD [31.75, -102.29], 10.5 S WARFIELD [31.77, -102.22]</b>				
	05/20/19 16:23 CST		0.20M	Tornado (EF3, L: 4.51 mi , W: 225 yd)
	05/20/19 16:38 CST		0	Source: NWS Storm Survey
<hr/>				
<p>A thunderstorm moved across Ector County and produced a tornado southeast of Odessa. The tornado developed in Ector County approximately nine miles southeast of Odessa, northeast of the Pleasant Farms community, and moved northeastward into southwest portions of Midland County. The aerial survey of this tornado revealed a clearly defined path. Numerous power poles were broken. The survey also showed pump jacks and other oil field equipment that were toppled by the tornado. The tornado had a lifespan of 15 minutes. Based on research that occurred in association with the May 14, 2010 Notrees tornado, a tornado that also knocked down oil field pump jacks, this tornado was rated as an EF-3 tornado. The cost of damage is a very rough estimate.</p>				
<hr/>				
<b>DAWSON COUNTY --- 1.4 W ARVANA [32.80, -101.94]</b>				
	05/20/19 16:29 CST		0	Hail (1.00 in)
	05/20/19 16:34 CST		0	Source: Emergency Manager
<hr/>				
<b>GLASSCOCK COUNTY --- 12.3 W GARDEN CITY [31.89, -101.71]</b>				
	05/20/19 17:22 CST		25K	Thunderstorm Wind (EG 65 kt)
	05/20/19 17:23 CST		0	Source: Trained Spotter
<hr/>				
<p>A thunderstorm moved across Glasscock County and produced wind damage 13 miles west of Garden City. Several power poles were blown down along State Highway 158 at State Highway 137. The cost of damage is a very rough estimate.</p>				
<hr/>				
<b>MIDLAND COUNTY --- 17.7 SW SPRABERRY [31.71, -102.01]</b>				

## Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/20/19 17:50 CST		0	Hail (1.00 in)
	05/20/19 17:55 CST		0	Source: NWS Employee
<hr/>				
<b>MIDLAND COUNTY --- 17.7 SSW SPRABERRY [31.70, -101.97], 11.8 SSW SPRABERRY [31.76, -101.89]</b>				
	05/20/19 17:52 CST		0.25M	Tornado (EF2, L: 6.63 mi , W: 150 yd)
	05/20/19 18:02 CST	2	0	Source: NWS Storm Survey
<hr/>				
A thunderstorm moved across Midland County and produced a tornado 21 miles southeast of the City of Midland. This tornado was first viewed from near the intersection of Farm to Market Road 1787 and State Highway 349, looking southeastward. Primary indications are that the tornado developed 21 miles southeast of the City of Midland, in open fields south of County Road 300 and east of State Highway 349. The tornado moved northeastward, snapping power poles along County Road 300, and produced significant damage along County Road 1160 and Farm to Market Road 1379. The snapped power poles, the damage to two RVs along County Road 1160, and the damage to manufactured trailers along FM 1379 are all indicative of EF-2 tornado damage. The tornado lifespan was 10 minutes long with an estimated peak wind of 125 mph. The cost of damage is a very rough estimate.				
<hr/>				
<b>HOWARD COUNTY --- BIG SPRING [32.25, -101.47]</b>				
	05/20/19 18:14 CST		0	Hail (0.88 in)
	05/20/19 18:19 CST		0	Source: Emergency Manager
<hr/>				
<b>HOWARD COUNTY --- 1.6 W SAND SPGS [32.28, -101.36]</b>				
	05/20/19 18:24 CST		0	Hail (1.75 in)
	05/20/19 18:29 CST		0	Source: Amateur Radio
<hr/>				
<b>HOWARD COUNTY --- 0.7 NW COAHOMA [32.31, -101.31]</b>				
	05/20/19 18:29 CST		0	Hail (1.75 in)
	05/20/19 18:34 CST		0	Source: Emergency Manager
<hr/>				
<b>HOWARD COUNTY --- 0.4 WNW COAHOMA [32.30, -101.31]</b>				
	05/20/19 18:32 CST		0	Hail (1.75 in)
	05/20/19 18:37 CST		0	Source: Public
<hr/>				
<b>MIDLAND COUNTY --- 1.7 NE GREENWOOD [32.02, -101.90]</b>				
	05/20/19 18:50 CST		0	Hail (1.25 in)
	05/20/19 18:55 CST		0	Source: Public
<hr/>				
<b>MIDLAND COUNTY --- 1.9 NE GREENWOOD [32.02, -101.90]</b>				
	05/20/19 18:50 CST		0	Hail (1.75 in)
	05/20/19 18:55 CST		0	Source: NWS Employee
<hr/>				
<b>MIDLAND COUNTY --- 8.4 ESE BADEN [32.06, -101.78]</b>				
	05/20/19 19:00 CST		0	Hail (2.75 in)
	05/20/19 19:05 CST		0	Source: Public
<hr/>				
<b>HOWARD COUNTY --- 1.0 NW BIG SPRING [32.26, -101.48]</b>				
	05/20/19 19:40 CST		0	Hail (1.00 in)
	05/20/19 19:45 CST		0	Source: Emergency Manager
<hr/>				
<b>HOWARD COUNTY --- 0.4 SE SOUTH HAVEN [32.18, -101.47]</b>				
	05/20/19 19:42 CST		0	Hail (2.00 in)
	05/20/19 19:47 CST		0	Source: Emergency Manager
<hr/>				
<b>MARTIN COUNTY --- 5.0 W STANTON [32.13, -101.89]</b>				
	05/20/19 19:50 CST		0	Hail (2.00 in)
	05/20/19 19:55 CST		0	Source: Public
<hr/>				
<b>HOWARD COUNTY --- 3.9 NE FAIRVIEW [32.39, -101.48]</b>				
	05/20/19 20:28 CST		0	Hail (1.00 in)
	05/20/19 20:33 CST		0	Source: Public

## Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ECTOR COUNTY --- 11.0 NW ODESSA [31.96, -102.50]</b>				
	05/20/19 20:30 CST	0		Hail (1.00 in)
	05/20/19 20:35 CST	0		Source: Fire Department/Rescue
<b>SCURRY COUNTY --- 0.3 SW DUNN [32.57, -100.88]</b>				
	05/20/19 20:37 CST	0		Hail (2.00 in)
	05/20/19 20:42 CST	0		Source: Fire Department/Rescue
<b>ECTOR COUNTY --- 3.0 ENE PENWELL [31.75, -102.55]</b>				
	05/20/19 20:42 CST	0		Hail (1.25 in)
	05/20/19 20:47 CST	0		Source: Public
<b>SCURRY COUNTY --- 1.0 ESE SNYDER [32.71, -100.88]</b>				
	05/20/19 20:42 CST	0		Hail (1.00 in)
	05/20/19 20:47 CST	0		Source: Fire Department/Rescue
<b>SCURRY COUNTY --- 0.4 NW HERMLEIGH [32.63, -100.75]</b>				
	05/20/19 20:49 CST	0		Hail (2.00 in)
	05/20/19 20:54 CST	0		Source: Fire Department/Rescue
<b>ECTOR COUNTY --- 6.4 ESE ODESSA ECTOR CO ARPT [31.90, -102.27]</b>				
	05/20/19 20:53 CST	0		Thunderstorm Wind (EG 52 kt)
	05/20/19 20:53 CST	0		Source: NWS Employee
A thunderstorm moved across Ector County and produced an estimated 60 mph wind gust on the east side of Odessa.				
<b>ECTOR COUNTY --- 2.0 SE ODESSA [31.83, -102.35]</b>				
	05/20/19 21:04 CST	0		Hail (1.00 in)
	05/20/19 21:09 CST	0		Source: Trained Spotter
<b>ECTOR COUNTY --- 2.7 SE ODESSA ECTOR CO ARPT [31.89, -102.35]</b>				
	05/20/19 21:10 CST	0		Hail (1.00 in)
	05/20/19 21:15 CST	0		Source: Trained Spotter
<b>ECTOR COUNTY --- 4.0 NE ODESSA [31.88, -102.31]</b>				
	05/20/19 21:15 CST	0		Hail (1.00 in)
	05/20/19 21:20 CST	0		Source: Public
<b>ECTOR COUNTY --- 6.4 ESE ODESSA ECTOR CO ARPT [31.90, -102.27]</b>				
	05/20/19 21:15 CST	0		Hail (2.00 in)
	05/20/19 21:20 CST	0		Source: NWS Employee
<b>MIDLAND COUNTY --- 2.0 NW MIDLAND [32.02, -102.10]</b>				
	05/20/19 21:16 CST	0		Hail (1.25 in)
	05/20/19 21:21 CST	0		Source: Public
<b>MIDLAND COUNTY --- 1.0 SW WARFIELD [31.91, -102.24]</b>				
	05/20/19 21:23 CST	0		Hail (1.00 in)
	05/20/19 21:28 CST	0		Source: Trained Spotter
<b>ECTOR COUNTY --- 6.4 ESE ODESSA ECTOR CO ARPT [31.90, -102.27]</b>				
	05/20/19 21:25 CST	0		Thunderstorm Wind (EG 61 kt)
	05/20/19 21:25 CST	0		Source: NWS Employee
A thunderstorm moved across Ector County and produced an estimated 70 mph wind gust on the east side of Odessa.				
<b>ECTOR COUNTY --- 6.4 ESE ODESSA ECTOR CO ARPT [31.90, -102.27]</b>				

## Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/20/19 21:25 CST		0	Hail (1.25 in)
	05/20/19 21:30 CST		0	Source: NWS Employee
<hr/>				
<b>MIDLAND COUNTY --- 1.1 NE (MAF) MIDLAND INTL [31.94, -102.19]</b>				
	05/20/19 21:25 CST		0	Hail (1.50 in)
	05/20/19 21:30 CST		0	Source: NWS Employee
<hr/>				
<b>MIDLAND COUNTY --- 4.4 W MIDLAND [31.99, -102.15]</b>				
	05/20/19 21:25 CST		0	Hail (1.75 in)
	05/20/19 21:30 CST		0	Source: Emergency Manager
<hr/>				
<b>MIDLAND COUNTY --- 5.2 NW MIDLAND [32.05, -102.15]</b>				
	05/20/19 21:33 CST		0	Hail (1.00 in)
	05/20/19 21:38 CST		0	Source: Trained Spotter
<hr/>				
<b>BORDEN COUNTY --- 15.5 NE GAIL [32.91, -101.22]</b>				
	05/20/19 22:05 CST		0	Thunderstorm Wind (MG 52 kt)
	05/20/19 22:05 CST		0	Source: Mesonet
<hr/>				
A thunderstorm moved across Borden County and produced a 60 mph wind gust three miles west northwest of Fluvanna.				
<hr/>				
<b>MIDLAND COUNTY --- MIDLAND [32.00, -102.08], 3.8 WSW MIDLAND [31.99, -102.14], 4.9 WNW MIDLAND [32.03, -102.15], 3.6 NNW MIDLAND [32.05, -102.09]</b>				
	05/20/19 22:10 CST		30K	Flash Flood (due to Heavy Rain)
	05/21/19 00:10 CST		0	Source: Law Enforcement
<hr/>				
Heavy rain moved across Midland County and produced flash flooding in the City of Midland. Midland County Sheriff reported numerous stalled vehicles due to flooding across the City of Midland. The cost of damage is a very rough estimate.				
<hr/>				
<b>HOWARD COUNTY --- 0.4 N BIG SPRING [32.26, -101.47]</b>				
	05/20/19 22:31 CST		0	Thunderstorm Wind (EG 61 kt)
	05/20/19 22:31 CST		0	Source: Amateur Radio
<hr/>				
A thunderstorm moved across Howard County and produced a 70 mph wind gust in Big Spring.				
<hr/>				
<p>An upper level trough was over the Great Basin during the morning hours and moved over the Rocky Mountains during the day. Upper level disturbances moved over West Texas along the edge of this upper trough. A surface trough was over far West Texas and resulted in an abundance of moisture across the area. The atmosphere quickly became unstable as temperatures warmed up at the surface. A dryline was backed up to the higher terrain of West Texas and southeast New Mexico with very good wind shear and atmospheric rotation in place. During the late evening hours, upper lift increased with the approaching upper trough and the area was in a favorable position for lift with the upper jet stream. A low-level jet stream also moved across the area providing more lift. A Pacific front associated with the upper trough moved east and interacted with the dryline to create additional lift. These conditions resulted in thunderstorms rapidly developing and becoming severe with large hail, strong and damaging winds, tornadoes, and flash flooding across West Texas.</p>				

# Storm Data and Unusual Weather Phenomena - May 2019

Location

Date/Time

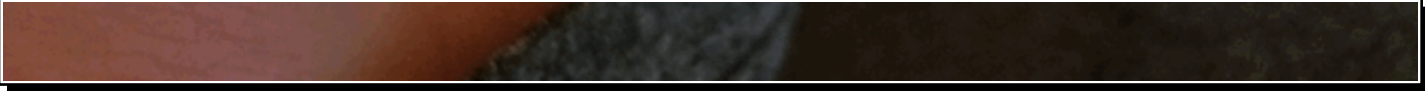
Deaths &  
Injuries

Property &  
Crop Dmg

Event Type and Details



## Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
				
<i>A thunderstorm produced large hail in Odessa. Photo is courtesy of Nico Crissinger.</i>				
<hr/>				
<b>(TX-Z270) GUADALUPE MOUNTAINS ABOVE 7000 FEET, (TX-Z271) GUADALUPE AND DELAWARE MOUNTAINS, (TX-Z277) DAVIS MOUNTAINS</b>				
	05/20/19 15:51 CST	0		High Wind (MAX 69 kt)
	05/22/19 03:38 CST	0		
<b>A strong storm system impacted the region resulting in strong winds from the Guadalupe to the Davis Mountains as well as the adjacent plains.</b>				
<hr/>				
<b>PECOS COUNTY --- 2.1 WNW BAKERSFIELD [30.89, -102.31]</b>				
	05/24/19 14:57 CST	0		Hail (2.00 in)
	05/24/19 15:02 CST	0		Source: Public
<hr/>				
<b>PECOS COUNTY --- 2.1 WNW BAKERSFIELD [30.89, -102.31]</b>				
	05/24/19 15:10 CST	0.50K		Hail (1.00 in)
	05/24/19 15:15 CST	0		Source: Public
<b>A thunderstorm moved across Pecos County and produced large hail that cracked a windshield as seen from a video on snapchat. The exact size of the largest hail is unknown. The cost of damage is a rough estimate.</b>				
<hr/>				
<b>PECOS COUNTY --- 10.4 E BAKERSFIELD [30.87, -102.10]</b>				
	05/24/19 17:20 CST	0		Hail (1.75 in)
	05/24/19 17:25 CST	0		Source: Broadcast Media
<hr/>				
<b>REAGAN COUNTY --- 28.0 N BEST [31.64, -101.63]</b>				
	05/24/19 18:10 CST	0		Thunderstorm Wind (MG 53 kt)
	05/24/19 18:15 CST	0		Source: Mesonet
<b>A thunderstorm moved across Reagan County and produced a 61 mph wind gust five miles southwest of St. Lawrence.</b>				
<b>An upper level trough was over the west coast with upper disturbances moving over West Texas. A surface trough was over West Texas which resulted in a plentiful supply of moisture across the area. A dryline was present across the area along with good atmospheric lift, instability, and wind shear. These conditions resulted in thunderstorms producing large hail and strong winds across portions of West Texas.</b>				
<hr/>				
<b>WARD COUNTY --- 8.0 NW PYOTE [31.61, -103.23]</b>				
	05/25/19 13:35 CST	0		Hail (1.00 in)
	05/25/19 13:39 CST	0		Source: Public
<hr/>				
<b>PECOS COUNTY --- 9.0 W IMPERIAL [31.27, -102.83]</b>				
	05/25/19 13:52 CST	0		Hail (1.50 in)
	05/25/19 13:57 CST	0		Source: Trained Spotter
<hr/>				
<b>PECOS COUNTY --- 9.0 W IMPERIAL [31.27, -102.83]</b>				
	05/25/19 14:00 CST	0		Hail (2.75 in)
	05/25/19 14:05 CST	0		Source: Public
<hr/>				
<b>PECOS COUNTY --- 5.4 SSW IMPERIAL RES [31.19, -102.89]</b>				
	05/25/19 14:57 CST	0		Hail (1.00 in)
	05/25/19 15:02 CST	0		Source: Emergency Manager
<hr/>				
<b>UPTON COUNTY --- 0.3 SSE MC CAMEY UPTON CO AR [31.12, -102.22]</b>				
	05/25/19 17:22 CST	0		Hail (1.00 in)
	05/25/19 17:27 CST	0		Source: Storm Chaser
<hr/>				
<b>UPTON COUNTY --- MC CAMEY [31.13, -102.23]</b>				

## Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/25/19 17:28 CST		0	Hail (2.75 in)
	05/25/19 17:33 CST		0	Source: Public
<hr/>				
<b>UPTON COUNTY --- MC CAMEY [31.13, -102.23]</b>				
	05/25/19 17:35 CST		0	Hail (2.50 in)
	05/25/19 17:40 CST		0	Source: Public
<hr/>				
<b>UPTON COUNTY --- MC CAMEY [31.13, -102.23]</b>				
	05/25/19 17:41 CST		0	Hail (1.75 in)
	05/25/19 17:46 CST		0	Source: Fire Department/Rescue
<hr/>				
<b>UPTON COUNTY --- 0.3 SSE MC CAMEY UPTON CO AR [31.12, -102.22]</b>				
	05/25/19 17:58 CST		0	Hail (1.75 in)
	05/25/19 18:03 CST		0	Source: Trained Spotter
<hr/>				
<b>UPTON COUNTY --- MC CAMEY [31.13, -102.23]</b>				
	05/25/19 17:58 CST		0	Hail (1.75 in)
	05/25/19 18:03 CST		0	Source: Law Enforcement
<hr/>				
<b>UPTON COUNTY --- MC CAMEY [31.13, -102.23]</b>				
	05/25/19 17:58 CST		0	Hail (2.00 in)
	05/25/19 18:03 CST		0	Source: Public
<hr/>				
<p>An upper level trough was over the western part of the country, and an upper disturbance moved over West Texas and southeast New Mexico along the eastern edge of the upper trough. A dryline was backed up against the mountains of West Texas and southeast New Mexico with very moist air to the east of this feature. Good instability and wind shear were present. These conditions resulted in thunderstorms that produced large hail in West Texas and southeast New Mexico.</p>				
<hr/>				
<b>MIDLAND COUNTY --- 5.0 SSE MIDLAND [31.93, -102.06]</b>				
	05/29/19 01:13 CST		0	Hail (1.00 in)
	05/29/19 01:18 CST		0	Source: Public
<hr/>				
<b>MARTIN COUNTY --- 0.5 ESE STANTON [32.13, -101.79]</b>				
	05/29/19 01:45 CST		0	Hail (1.00 in)
	05/29/19 01:50 CST		0	Source: Public
<hr/>				
<p>An upper low moved from Colorado into the plains, pushing a trough towards West Texas. A dryline retreated back west across the area bringing in abundant low-level moisture. The area was also under a favorable region of the upper level jet stream for lift. These conditions resulted in thunderstorms that produced hail across the Permian Basin.</p>				
<hr/>				
<b>PECOS COUNTY --- 12.0 N FT STOCKTON [31.05, -102.87]</b>				
	05/30/19 09:33 CST		0	Hail (1.00 in)
	05/30/19 09:38 CST		0	Source: Emergency Manager
<hr/>				
<b>PECOS COUNTY --- 20.0 SSW BAKERSFIELD [30.61, -102.41]</b>				
	05/30/19 14:09 CST		0	Hail (1.00 in)
	05/30/19 14:14 CST		0	Source: Trained Spotter
<hr/>				
<b>JEFF DAVIS COUNTY --- 1.1 WNW FT DAVIS [30.59, -103.90]</b>				
	05/30/19 16:01 CST		0	Hail (1.00 in)
	05/30/19 16:06 CST		0	Source: Public
<hr/>				
<b>SCURRY COUNTY --- SNYDER WINSTON ARPT [32.70, -100.95]</b>				
	05/31/19 01:55 CST		0	Thunderstorm Wind (MG 54 kt)
	05/31/19 02:00 CST		0	Source: ASOS

A thunderstorm moved across Scurry County and produced a 62 mph wind gust at the Snyder ASOS site.

A broad upper level trough was over the southwestern part of the country with an upper disturbance that traveled around this trough which impacted West Texas. A cold front and a dryline were present across the area. Strong moisture and instability were present east



## Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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of the dryline. Lift from upslope winds along the higher terrain of West Texas was aided by the presence of a jet stream. These conditions resulted in thunderstorms with hail and strong winds.

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**BREWSTER COUNTY --- 82.0 N STUDY BUTTE [30.51, -103.53]**

	05/31/19 16:18 CST		0	Hail (0.88 in)
	05/31/19 16:23 CST		0	Source: Storm Chaser

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**JEFF DAVIS COUNTY --- 13.0 NE FT DAVIS [30.71, -103.73]**

	05/31/19 17:37 CST		0	Hail (1.00 in)
	05/31/19 17:42 CST		0	Source: Storm Chaser

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

	05/31/19 17:55 CST		0	Hail (0.88 in)
	05/31/19 18:00 CST		0	Source: Amateur Radio

A thunderstorm moved across Brewster County and produced nickel sized hail and minor street flooding eight miles southeast of Alpine.

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**BREWSTER COUNTY --- 7.7 NW HAYMOND [30.20, -103.12], 7.5 NW HAYMOND [30.20, -103.12]**

	05/31/19 18:25 CST		0	Tornado (EF0, L: 0.39 mi , W: 30 yd)
	05/31/19 18:27 CST		0	Source: Storm Chaser

A thunderstorm produced a brief landspout about eight miles east of Marathon. The landspout dust whirl was disconnected from the storm over open land. There was no observable damage.

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**BREWSTER COUNTY --- 0.8 NW MARATHON [30.21, -103.26]**

	05/31/19 19:05 CST		10K	Thunderstorm Wind (EG 65 kt)
	05/31/19 19:06 CST		0	Source: Trained Spotter

A thunderstorm moved across Brewster County and produced wind damage near Marathon. At least four power poles were snapped off just above the ground along US 90. There was a transformer fire. The cost of damage is a very rough estimate.

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**BREWSTER COUNTY --- 1.1 ENE MARATHON [30.21, -103.23]**

	05/31/19 19:05 CST		0	Hail (1.00 in)
	05/31/19 19:10 CST		0	Source: Public

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**BREWSTER COUNTY --- 0.2 NNE MARATHON [30.20, -103.25]**

	05/31/19 19:08 CST		6K	Thunderstorm Wind (EG 65 kt)
	05/31/19 19:09 CST		0	Source: Storm Chaser

A thunderstorm moved across Brewster County and produced wind damage in Marathon. There was structural damage with a roof off on the west side of town. The cost of damage is a very rough estimate.

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**BREWSTER COUNTY --- 0.4 NE MARATHON [30.20, -103.24]**

	05/31/19 19:08 CST		0	Hail (1.25 in)
	05/31/19 19:13 CST		0	Source: Trained Spotter

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**BREWSTER COUNTY --- 0.4 NE MARATHON [30.20, -103.24]**

	05/31/19 19:08 CST		0	Hail (1.75 in)
	05/31/19 19:13 CST		0	Source: NWS Employee

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**PRESIDIO COUNTY --- 4.0 SSW MARFA [30.27, -104.04]**

	05/31/19 21:25 CST		0	Hail (1.00 in)
	05/31/19 21:30 CST		0	Source: Social Media

A closed upper low was over Northern California with weak ridging over West Texas. A lingering boundary was mostly south of the Pecos River, and there were easterly upslope winds across the higher terrain which helped to provide lift. There was good moisture across the area as well as wind shear and instability. These conditions contributed to thunderstorms that produced large hail, damaging winds, and a tornado across West Texas.

## Storm Data and Unusual Weather Phenomena - May 2019

Location

Date/Time

Deaths &  
Injuries

Property &  
Crop Dmg

Event Type and Details



*A thunderstorm produced large hail in Marathon. Photo credit is unknown.*