

Storm Data and Unusual Weather Phenomena - April 2016

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

EDDY COUNTY --- LOVING [32.28, -104.10]

	04/08/16 22:45 MST	0	Hail (1.00 in)
	04/08/16 22:50 MST	0	Source: Law Enforcement

An upper level trough was approaching the region from over California and Arizona with an upper disturbance moving over West Texas and southeast New Mexico. Low-level moisture was also increasing across the area. There was large scale lift and steep mid-level lapse rates across the higher terrain of West Texas and into the southeast New Mexico plains. These conditions combined to create thunderstorms with heavy rain and large hail.

(NM-Z027) GUADALUPE MOUNTAINS OF EDDY COUNTY

	04/16/16 07:00 MST	0	High Wind (MAX 50 kt)
	04/16/16 13:00 MST	0	

Strong southwesterly mid level winds ahead of an approaching upper trough resulted in high winds in the Guadalupe Mountains.

(NM-Z027) GUADALUPE MOUNTAINS OF EDDY COUNTY

	04/26/16 14:00 MST	0	High Wind (MAX 50 kt)
	04/26/16 17:00 MST	0	

An upper trough traversing the region resulted in high winds in the Guadalupe Mountains.

TEXAS, West

(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY

	04/06/16 03:51 MST	0	High Wind (MAX 39 kt)
	04/06/16 08:42 MST	0	

Strong northeast winds behind a cold front funneled through Guadalupe Pass and resulted in high winds there.

BREWSTER COUNTY --- 2.0 WSW MARATHON [30.19, -103.28]

	04/08/16 19:19 CST	0	Heavy Rain
	04/08/16 19:39 CST	0	Source: COOP Observer

Very heavy rainfall along with half inch hail fell near Marathon as a thunderstorm moved across Brewster County.

REEVES COUNTY --- 12.0 NNW PECOS [31.58, -103.56]

	04/09/16 00:07 CST	0	Hail (1.00 in)
	04/09/16 00:14 CST	0	Source: Public

An upper level trough was approaching the region from over California and Arizona with an upper disturbance moving over West Texas and southeast New Mexico. Low-level moisture was also increasing across the area. There was large scale lift and steep mid-level lapse rates across the higher terrain of West Texas and into the southeast New Mexico plains. These conditions combined to create thunderstorms with heavy rain and large hail.

MIDLAND COUNTY --- 4.1 E MIDLAND [32.00, -102.01]

	04/10/16 19:40 CST	18K	Thunderstorm Wind (EG 78 kt)
	04/10/16 19:41 CST	0	Source: NWS Storm Survey

During the evening of April 10, 2016 high winds from a shower affected Greenwood, Texas. A storm survey was conducted the next day on April 11, 2016. The shower was mainly virga (evaporated rain) that resulted in a microburst. A 285 foot tall radio tower used by the City/County of Midland was blown down and a metal power pole was bent near the base. It appeared that the strong winds were still elevated when it affected the radio tower then reached the surface at the location of the power pole. Based on radar imagery and damage, it is estimated that the winds reached between 80 and 100 mph during the event. The cost of damage is a very rough estimate.

An upper trough was moving eastward over California and Arizona, and a dryline was present across the Permian Basin. A surface trough was across the area which also increased lift, and a Pacific front later moved into southeast New Mexico and West Texas

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sweeping moisture out of the area. These conditions resulted in a shower developing and producing damaging winds at the surface due to evaporational cooling from the dry air present below the cloud base.				
(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY				
	04/16/16 01:38 MST		0	High Wind (MAX 57 kt)
	04/16/16 15:51 MST		0	
Strong southwesterly mid level winds ahead of an approaching upper trough resulted in high winds in the Guadalupe Mountains.				
MITCHELL COUNTY --- COLORADO CITY [32.40, -100.85]				
	04/16/16 15:25 CST		0	Hail (1.00 in)
	04/16/16 15:30 CST		0	Source: Law Enforcement
MITCHELL COUNTY --- COLORADO CITY [32.40, -100.85]				
	04/16/16 15:28 CST		0	Hail (1.25 in)
	04/16/16 15:33 CST		0	Source: Public
MITCHELL COUNTY --- COLORADO CITY [32.40, -100.85]				
	04/16/16 15:30 CST		0	Hail (1.00 in)
	04/16/16 15:35 CST		0	Source: Public
MITCHELL COUNTY --- COLORADO CITY [32.40, -100.85]				
	04/16/16 15:30 CST		0	Hail (1.25 in)
	04/16/16 15:35 CST		0	Source: Fire Department/Rescue
MITCHELL COUNTY --- 3.0 W LORAIN [32.42, -100.77], 2.3 WNW LORAIN [32.43, -100.76]				
	04/16/16 15:58 CST		0	Tornado (EF0, L: 0.92 mi , W: 250 yd)
	04/16/16 16:00 CST		0	Source: Trained Spotter
A thunderstorm moved across Mitchell County and produced a tornado about three miles west of Lorraine . It was a brief weak tornado over an open field, and no damage was reported. It was rated as an EF-0 since no damage was reported. The path length and width were estimated.				
MITCHELL COUNTY --- 7.0 N LORAIN [32.52, -100.72]				
	04/16/16 16:00 CST		0	Hail (1.00 in)
	04/16/16 16:05 CST		0	Source: Public
HOWARD COUNTY --- 1.0 SSE LOMAX [32.11, -101.62]				
	04/16/16 16:50 CST		0	Thunderstorm Wind (MG 64 kt)
	04/16/16 16:50 CST		0	Source: Mesonet
A thunderstorm moved across Howard County and produced a 74 mph wind gust near Lomax. No damage was reported.				
HOWARD COUNTY --- 12.0 SW SAND SPGS [32.16, -101.48]				
	04/16/16 16:55 CST		0	Thunderstorm Wind (EG 70 kt)
	04/16/16 16:56 CST		0	Source: NWS Storm Survey
A thunderstorm moved across Howard County and produced wind damage near Elbow . A mobile home was moved off its foundation, flag poles were bent over, a large tank was overturned, and a barn had its roof uplifted.				
HOWARD COUNTY --- 14.0 SW SAND SPGS [32.14, -101.50]				
	04/16/16 16:55 CST		0.19M	Thunderstorm Wind (EG 61 kt)
	04/16/16 16:56 CST		0	Source: Public
A thunderstorm moved across Howard County and produced wind damage near Elbow . Two telephone poles and three irrigation pivots were knocked down from strong winds. The cost of damage is a very rough estimate.				
HOWARD COUNTY --- BIG SPRING [32.25, -101.47]				
	04/16/16 17:07 CST		15K	Thunderstorm Wind (EG 70 kt)
	04/16/16 17:08 CST		0	Source: Broadcast Media

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A thunderstorm moved across Howard County and produced wind damage in Big Spring . A travel trailer was blown over from thunderstorm wind gusts of 80 mph between 6:00 and 6:15 pm CDT. The cost of damage is a very rough estimate.				
HOWARD COUNTY --- BIG SPRING [32.25, -101.47]				
	04/16/16 17:08 CST		7K	Thunderstorm Wind (EG 70 kt)
	04/16/16 17:09 CST		0	Source: NWS Storm Survey
A thunderstorm moved across Howard County and produced wind damage in Big Spring . There was visible damage to a roof of an apartment complex in Big Spring. The cost of damage is a very rough estimate.				
HOWARD COUNTY --- BIG SPRING [32.25, -101.47]				
	04/16/16 17:10 CST		0	Thunderstorm Wind (EG 52 kt)
	04/16/16 17:10 CST		0	Source: Public
A thunderstorm moved across Howard County and produced a 60 mph wind gust in Big Spring.				
HOWARD COUNTY --- BIG SPRING [32.25, -101.47]				
	04/16/16 17:10 CST		0	Thunderstorm Wind (EG 70 kt)
	04/16/16 17:11 CST		0	Source: Public
A thunderstorm moved across Howard County and produced wind damage in Big Spring . A gasoline pump was blown over at Chevron in Big Spring between 6 and 6:15 pm CDT.				
HOWARD COUNTY --- BIG SPRING [32.25, -101.47]				
	04/16/16 17:10 CST		0	Hail (1.00 in)
	04/16/16 17:20 CST		0	Source: Public
HOWARD COUNTY --- BIG SPRING [32.25, -101.47]				
	04/16/16 17:21 CST		0	Hail (1.75 in)
	04/16/16 17:26 CST		0	Source: Social Media
UPTON COUNTY --- MC CAMEY [31.13, -102.23]				
	04/16/16 18:12 CST		0	Hail (1.00 in)
	04/16/16 18:17 CST		0	Source: Law Enforcement
SCURRY COUNTY --- 1.0 W FLUVANNA [32.88, -101.17]				
	04/16/16 18:20 CST		0	Hail (1.00 in)
	04/16/16 18:25 CST		0	Source: Public
UPTON COUNTY --- 1.0 S MC CAMEY [31.12, -102.23]				
	04/16/16 18:37 CST		0	Hail (1.75 in)
	04/16/16 18:42 CST		0	Source: Law Enforcement
SCURRY COUNTY --- 3.0 SW HERMLEIGH [32.60, -100.79], 2.1 SW HERMLEIGH [32.61, -100.77]				
	04/16/16 18:50 CST		0	Tornado (EF0, L: 0.91 mi , W: 300 yd)
	04/16/16 18:52 CST		0	Source: Trained Spotter
A thunderstorm moved across Scurry County and produced a tornado three miles southwest of Hermleigh . A survey was conducted for this tornado by National Weather Service meteorologists , and no damage was seen during the survey so the tornado was rated as an EF-0. The path width and length were estimated since there was no damage path.				
SCURRY COUNTY --- 4.0 SE DUNN [32.53, -100.83]				
	04/16/16 19:00 CST		0	Hail (1.00 in)
	04/16/16 19:05 CST		0	Source: Emergency Manager
MITCHELL COUNTY --- 5.0 NW COLORADO CITY [32.45, -100.91]				
	04/16/16 19:01 CST		0	Hail (1.75 in)
	04/16/16 19:06 CST		0	Source: Law Enforcement
SCURRY COUNTY --- 3.7 E DUNN [32.57, -100.82]				

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	04/16/16 19:03 CST		0	Hail (1.75 in)
	04/16/16 19:08 CST		0	Source: Emergency Manager
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REAGAN COUNTY --- 6.0 S STILES [31.31, -101.58]				
	04/16/16 20:06 CST		0	Hail (0.88 in)
	04/16/16 20:11 CST		0	Source: Public
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SCURRY COUNTY --- 2.0 NW INADALE [32.55, -100.70], 2.3 NW INADALE [32.55, -100.71], 2.4 NW INADALE [32.55, -100.71], 2.2 NW INADALE [32.55, -100.70]				
	04/16/16 20:30 CST		0	Flash Flood (due to Heavy Rain)
	04/16/16 21:30 CST		0	Source: Emergency Manager

Heavy rain fell across Scurry County and produced flash flooding two miles northwest of Inadale. Since no damage was reported, the cost of damage is assumed to be zero.

A large cut off low was over New Mexico and Colorado. A dryline was present across the Permian Basin with good moisture and instability along and east of this line. Wind shear values and mid-level lapse rates were impressive, and strong upper level winds were beginning to move over the region. These conditions contributed to severe storms with large hail, damaging winds, and a tornado for the Western Low Rolling Plains and parts of the Permian Basin.



A thunderstorm produced wind damage near Elbow, Texas. Telephone poles were snapped due to the strong winds. Photo courtesy of Mark Strobin.

PECOS COUNTY --- 22.0 SSE FT STOCKTON [30.59, -102.72], 26.6 N LONGFELLOW [30.55, -102.62]

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	04/19/16 15:53 CST		0	Tornado (EF0, L: 6.54 mi , W: 400 yd)
	04/19/16 16:03 CST		0	Source: Trained Spotter

A thunderstorm moved across Pecos County and produced a tornado about 25 miles south southeast of Fort Stockton, Texas. This tornado was spotted by experienced storm spotters and emergency management. The tornado was located between US 385 and US 285. Reports indicated that the tornado touched down at 4:53 pm CDT and remained on the ground for ten minutes before dissipating at 5:03 pm CDT. Since the tornado stayed in open fields and there was no evidence of damage, the tornado was rated as an EF-0.

PECOS COUNTY --- 4.7 WNW FT STOCKTON ARPT FST [30.95, -102.99]

04/19/16 16:50 CST	0	Hail (1.75 in)
04/19/16 16:55 CST	0	Source: Law Enforcement

PECOS COUNTY --- 8.0 N FT STOCKTON [31.00, -102.87]

04/19/16 17:10 CST	0	Hail (0.75 in)
04/19/16 17:15 CST	0	Source: Law Enforcement

PECOS COUNTY --- 16.8 NE LONGFELLOW [30.34, -102.43]

04/19/16 17:48 CST	0	Hail (1.50 in)
04/19/16 17:53 CST	0	Source: NWS Employee

TERRELL COUNTY --- 1.0 W (P07)SANDERSON [30.15, -102.42]

04/19/16 18:51 CST	0	Hail (1.00 in)
04/19/16 18:56 CST	0	Source: Trained Spotter

TERRELL COUNTY --- SANDERSON [30.15, -102.40]

04/19/16 18:55 CST	0	Hail (1.00 in)
04/19/16 19:00 CST	0	Source: Storm Chaser

MARTIN COUNTY --- 2.0 S ACKERLY [32.49, -101.72]

04/19/16 19:30 CST	0	Hail (1.00 in)
04/19/16 19:35 CST	0	Source: Public

SCURRY COUNTY --- 1.0 E DERMOTT [32.85, -101.00]

04/19/16 20:23 CST	0	Hail (1.00 in)
04/19/16 20:28 CST	0	Source: Public

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

04/19/16 20:48 CST	0	Hail (0.88 in)
04/19/16 20:53 CST	0	Source: Public

A large upper low was over the central U.S. and was moving northeastward. A dryline was present across the Permian Basin and the Lower Trans Pecos. Deep layer wind shear was strong and there was good instability across the area. These conditions allowed for thunderstorms with large hail and a tornado to develop across parts of the Permian Basin, Western Low Rolling Plains, and the Lower Trans Pecos.

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A tornado about 25 miles southeast of Fort Stockton, Texas. Photo courtesy of William Reid.

PECOS COUNTY --- 2.5 SE LONGFELLOW [30.14, -102.60]

04/20/16 14:38 CST		0	Hail (1.25 in)	
04/20/16 14:43 CST		0	Source: Trained Spotter	

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

04/21/16 00:20 CST		1K	Hail (1.00 in)	
04/21/16 00:25 CST		0	Source: Public	

A thunderstorm moved across Scurry County and produced one inch hail about ten miles northeast of Snyder . The hail left dents on a vehicle and horse trailer. There were numerous leaves off of the trees . The cost of damage is a very rough estimate.

BORDEN COUNTY --- 14.0 E GAIL [32.77, -101.19]

04/21/16 01:30 CST		0	Hail (0.88 in)	
04/21/16 01:45 CST		0	Source: Public	

SCURRY COUNTY --- 10.0 W SNYDER [32.72, -101.07]

04/21/16 01:50 CST		0	Hail (1.50 in)	
04/21/16 02:00 CST		0	Source: Public	

GAINES COUNTY --- 7.0 S SEAGRAVES [32.83, -102.55]

04/21/16 02:48 CST		0	Hail (0.88 in)	
04/21/16 02:53 CST		0	Source: Trained Spotter	

An upper level low was over the Northern Plains with an upper level disturbance moving around the back of the low. A cold front was pushing southward across West Texas during the overnight period. There was good moisture and instability across West Texas, and

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there was a lingering boundary left from precipitation that occurred the previous night. These conditions allowed for storms with large hail to develop across the Western Low Rolling Plains and Permian Basin.

(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY

	04/26/16 10:32 MST	0		High Wind (MAX 64 kt)
	04/26/16 18:51 MST	0		

An upper trough traversing the region resulted in high winds in the Guadalupe Mountains.

SCURRY COUNTY --- 0.6 SSW HERMLEIGH [32.62, -100.76]

	04/26/16 15:22 CST	0		Hail (1.75 in)
	04/26/16 15:27 CST	0		Source: Fire Department/Rescue

GLASSCOCK COUNTY --- GARDEN CITY [31.87, -101.50]

	04/26/16 15:35 CST	0		Hail (1.00 in)
	04/26/16 15:40 CST	0		Source: Law Enforcement

MITCHELL COUNTY --- 0.8 S COLORADO CITY [32.39, -100.85]

	04/26/16 15:48 CST	0		Hail (1.25 in)
	04/26/16 15:53 CST	0		Source: Law Enforcement

The base of an upper level trough was moving over the region and a dryline was moving to the east of the area. Strong southwest winds were to the west of the dryline. Storms with large hail formed along the dryline across the Western Low Rolling Plains and eastern Permian Basin.

(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY

	04/29/16 09:51 MST	0		High Wind (MAX 50 kt)
	04/29/16 11:51 MST	0		

Strong mid level southwesterly winds ahead of an upper level trough, and a Pacific Cold Front, resulted in high winds in the Guadalupe Mountains.