

Storm Data and Unusual Weather Phenomena - April 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TEXAS, South Panhandle				
YOAKUM COUNTY --- 10.0 W DENVER CITY [32.97, -103.02], 12.0 E DENVER CITY [32.97, -102.64]				
	04/12/17 13:12 CST		0	Hail (1.75 in)
	04/12/17 13:45 CST		0	Source: Emergency Manager
A swath of hail was reported from 10 miles west of Denver City to 12 miles east of Denver City. Multiple reports were received of hail up to golf ball size. No damage was reported.				
A compact but strong and slow moving upper level trough brought widespread soaking rains to much of West Texas during the morning hours on the 12th through early on the 13th. On the afternoon of the 12th, an isolated severe storm developed in eastern New Mexico and moved into Yoakum County as it tracked eastward. This storm tracked across the southern portion of the County affecting Denver City.				
PARMER COUNTY --- 1.5 SSW BOVINA [34.50, -102.91], 1.0 ENE BOVINA [34.53, -102.88]				
	04/14/17 15:14 CST		0	Hail (1.85 in)
	04/14/17 15:26 CST		0	Source: Storm Chaser
A storm chaser measured hail slightly larger than golf ball size along US Highway 60 southwest and northeast of Bovina. No damage was reported.				
PARMER COUNTY --- 4.0 ENE BOVINA [34.54, -102.84], 8.0 S FRIONA [34.51, -102.73]				
	04/14/17 15:54 CST		3K	Hail (2.75 in)
	04/14/17 16:14 CST		0	Source: Storm Chaser
A storm chaser reported hail up to baseball size along US Highway 60 northeast of Bovina. Some storm chasers and a law enforcement vehicle received damage to their windshields.				
PARMER COUNTY --- 7.3 E HUB [34.53, -102.62]				
	04/14/17 16:34 CST		0	Hail (2.80 in)
	04/14/17 16:34 CST		0	Source: Storm Chaser
A storm chaser measured hail on the ground slightly larger than baseball size. No damage was reported.				
PARMER COUNTY --- 7.1 NE LAZBUDDIE [34.46, -102.55], 7.9 NE LAZBUDDIE [34.47, -102.53]				
	04/14/17 16:59 CST		0	Tornado (EFU, L: 1.05 mi , W: 50 yd)
	04/14/17 17:04 CST		0	Source: Trained Spotter
A tornado was initially spotted northeast of Lazbuddie near the Parmer /Castro County line at 1659 CST, before continuing east into west-central Castro County. No evidence of damage accompanied this tornado.				
CASTRO COUNTY --- 9.8 NNW DODD [34.47, -102.53], 10.6 N DODD [34.48, -102.50]				
	04/14/17 17:04 CST		0	Tornado (EFU, L: 2.04 mi , W: 50 yd)
	04/14/17 17:07 CST		0	Source: Trained Spotter
This is the continuation of the prior tornado in Parmer County. This tornado tracked east into west-central Castro County where it dissipated around 1707 CST, about 12 miles west-southwest of Dimmitt. No evidence of damage accompanied this tornado.				
CASTRO COUNTY --- 9.2 W DIMMITT [34.53, -102.48], 8.8 W DIMMITT [34.53, -102.47]				
	04/14/17 17:19 CST		9K	Tornado (EF0, L: 0.39 mi , W: 25 yd)
	04/14/17 17:20 CST		0	Source: Storm Chaser
A storm chaser observed a brief tornado touchdown just south of the intersection of State Highway 86 and Farm to Market road 1524. Several power poles were downed along Farm to Market road 1524.				
CASTRO COUNTY --- 6.1 WSW DIMMITT [34.50, -102.41], 3.9 SW DIMMITT [34.51, -102.37]				
	04/14/17 17:27 CST		30K	Tornado (EF0, L: 1.95 mi , W: 50 yd)
	04/14/17 17:36 CST		0	Source: Storm Chaser
Several storm chasers observed a tornado that began around the intersection of Farm to Market Road 1055 and County Road 618 and moved east for approximately two miles. Video evidence indicated this tornado moved over a feed lot and then into an open field . Several power lines were downed along Farm to Market Road 1055 and County Road 510.				

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CASTRO COUNTY --- 2.2 W DIMMITT MUNI ARPT [34.57, -102.36], 4.5 WSW DIMMITT [34.53, -102.40]				
	04/14/17 17:36 CST		1M	Tornado (EF3, L: 3.55 mi , W: 1936 yd)
	04/14/17 18:04 CST		0	Source: NWS Storm Survey
<p>An exceptionally large and significant tornado affected areas west of Dimmitt in Castro County . Along with video provided by storm spotters, a NWS storm survey team determined this tornado began just south of Highway 86 about 4 miles southwest of Dimmitt, before quickly assuming a very large wedge formation while moving slowly northeast. This tornado then turned north and northwest, before ending around the intersection of County Roads 511 and 511A. A satellite tornado reportedly accompanied this large tornado , however multiple video sources revealed this was only a satellite funnel. The most significant damage observed by the NWS survey team was found near the intersection of Farm to Market Road 2392 and County Road 510A. Here, a metal systems building was completely destroyed with its remnants lofted several hundred feet to the northwest. Several nearby homes sustained damage up to EF-2 intensity, with some residents riding out the tornado in their shelters. Fortunately, no injuries or fatalities accompanied this 1.1 mile wide tornado. Elsewhere along this large tornado's path, numerous power poles and center pivot irrigation systems were destroyed.</p>				
CASTRO COUNTY --- 2.7 WSW DIMMITT [34.54, -102.37]				
	04/14/17 18:01 CST		9K	Thunderstorm Wind (EG 65 kt)
	04/14/17 18:01 CST		0	Source: Storm Chaser
<p>Storm chaser video showed several power poles being blown down by inflow winds into a tornado at the intersection of State Highway 86 and County Road 510A.</p>				
CASTRO COUNTY --- 0.4 W DIMMITT [34.55, -102.33], 0.7 NE DIMMITT [34.56, -102.31]				
	04/14/17 18:20 CST		42K	Thunderstorm Wind (EG 60 kt)
	04/14/17 18:25 CST		0	Source: Utility Company
<p>Touchstone Energy reported that 14 power poles were damaged on the west and northwest side of Dimmitt. The damage was likely from severe inflow winds. The time of this event was estimated from adjacent severe wind reports.</p>				
CASTRO COUNTY --- 2.4 NNE DIMMITT MUNI ARPT [34.60, -102.30], 2.9 NE DIMMITT MUNI ARPT [34.60, -102.29]				
	04/14/17 18:45 CST		0	Tornado (EFU, L: 0.50 mi , W: 10 yd)
	04/14/17 18:47 CST		0	Source: Storm Chaser
<p>A storm chaser observed a brief tornado a few miles north of Dimmitt. No damage was evident.</p>				
CASTRO COUNTY --- 2.0 NE DIMMITT [34.57, -102.30]				
	04/14/17 18:50 CST		1K	Thunderstorm Wind (MG 52 kt)
	04/14/17 18:50 CST		0	Source: Mesonet
<p>A Texas Tech University West Texas mesonet recorded a thunderstorm inflow wind gust to 60 mph. Furthermore, wind-driven hail damaged two anemometers on this mesonet.</p>				
CASTRO COUNTY --- 5.3 W DIMMITT [34.54, -102.41]				
	04/14/17 19:04 CST		0	Tornado (EFU, L: 0.08 mi , W: 10 yd)
	04/14/17 19:04 CST		0	Source: Storm Chaser
<p>A storm chaser observed a brief rope tornado just north of State Highway 86 about six miles west of Dimmitt. No damage was reported.</p>				
CASTRO COUNTY --- DIMMITT [34.55, -102.32]				
	04/14/17 19:39 CST		0	Hail (1.00 in)
	04/14/17 19:39 CST		0	Source: Broadcast Media
<p>Local broadcast media relayed a report of quarter size hail in Dimmitt.</p>				
CASTRO COUNTY --- 3.0 E SUMMERFIELD [34.72, -102.45], 6.8 W DIMMITT [34.56, -102.44], 2.7 NNW NAZARETH [34.59, -102.11], 12.7 N NAZARETH [34.73, -102.13]				
	04/14/17 20:00 CST		0	Flash Flood (due to Heavy Rain)
	04/14/17 23:00 CST		0	Source: NWS Storm Survey
<p>Very heavy rainfall trained over a large area from northwest of Dimmitt to northeast of Dimmitt . Farm to Market Road 2397 between Farm to Market Road 1055 and US Highway 385 was closed due to high water. A storm survey the next day revealed water was still running over the roadway at some spots . Farm to Market Road 2397 east of US Highway 385 continued to be flooded the next day as well. A pivot irrigation site near the intersection of Farm to Market Roads 2397 and 1055 recorded 4.88 inches of rainfall.</p>				

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CASTRO COUNTY --- 1.0 N DIMMITT [34.56, -102.32], 0.5 ESE DIMMITT MUNI ARPT [34.57, -102.31]				
	04/14/17 20:20 CST	0		Hail (2.80 in)
	04/14/17 20:25 CST		0	Source: COOP Observer

A NWS cooperative weather observer and a storm chaser reported hail a bit larger than baseball size just north of Dimmitt . Hail damage in this area was not known.

CASTRO COUNTY --- NAZARETH [34.55, -102.10]				
	04/14/17 20:55 CST		0	Hail (1.75 in)
	04/14/17 20:55 CST		0	Source: Public

Golf ball size hail was reported in Nazareth. No damage was reported.

CASTRO COUNTY --- HART [34.38, -102.12]				
	04/14/17 21:35 CST		0	Hail (1.00 in)
	04/14/17 21:35 CST		0	Source: COOP Observer

A NWS cooperative weather observer reported quarter size hail in Hart. No damage was reported.

CASTRO COUNTY --- 3.0 N HART [34.42, -102.12]				
	04/14/17 21:50 CST		0	Thunderstorm Wind (MG 70 kt)
	04/14/17 21:55 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet station measured a wind gust to 80 mph.

SWISHER COUNTY --- 12.8 WSW KRESS [34.32, -101.97], 11.9 WSW KRESS [34.32, -101.95]				
	04/14/17 22:25 CST		0	Tornado (EFU, L: 0.91 mi , W: 50 yd)
	04/14/17 22:32 CST		0	Source: Storm Chaser


A storm chaser recorded a tornado at night northwest of Edmonson . The tornado was backlit by frequent lightning. No damage was reported from this tornado. Radar indicated the parent circulation to this tornado behaved very erratically; initially moving northeast, then stalling for several minutes, then moving slowly southeast while dissipating.

HALE COUNTY --- 1.0 W PLAINVIEW [34.20, -101.72]				
	04/14/17 23:12 CST		0	Hail (1.75 in)
	04/14/17 23:12 CST		0	Source: Storm Chaser

A storm chaser reported golf ball size hail in Plainview. No damage was reported.

On the afternoon of the 14th, isolated thunderstorms developed along a dryline over far east-central New Mexico and moved into Parmer and Bailey Counties. Mixed layer CAPE reached values on the order of 3000 J/kg by late afternoon, with low level wind shear amplifying by early evening. One of these storms evolved into a slow moving supercell that persisted for almost nine hours and produced at least seven known tornadoes, including an exceptionally large EF-3 tornado near Dimmitt (Castro County) that damaged some homes and destroyed several structures. It is possible that satellite tornadoes accompanied the larger tornado at times, but no definitive evidence to this point was available. After remaining in Castro County for nearly four hours and producing flash flooding north and northwest of Dimmitt, the supercell storm finally accelerated southeast before dissipating over Motley County around 0100 CST on the 15th. A plethora of video evidence was available from numerous storm chasers observing this supercell.

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Photograph taken by Mark Conder of the first tornado to develop on the evening of the 14th.

TERRY COUNTY --- BROWNFIELD [33.18, -102.28], 2.2 NNW BROWNFIELD [33.21, -102.29]

04/16/17 19:16 CST	0		Hail (2.00 in)
04/16/17 19:45 CST	0		Source: Trained Spotter

Trained spotters and a NWS cooperative weather observer reported hail with sizes ranging from ping-pong balls to hen eggs. However, no damage was reported.

TERRY COUNTY --- BROWNFIELD [33.18, -102.28]

04/16/17 20:11 CST	0		Hail (1.75 in)
04/16/17 20:11 CST	0		Source: Public

Hail up to the size of golf balls was reported in Brownfield. No damage was reported.

LYNN COUNTY --- 7.8 S PETTY [33.17, -101.98]

04/16/17 20:21 CST	0		Hail (1.00 in)
04/16/17 20:21 CST	0		Source: Trained Spotter

Quarter size hail was reported at the intersection of US Highway 380 and Farm to Market Road 1328. No damage was reported.

HALE COUNTY --- 1.0 S PLAINVIEW [34.19, -101.70]

04/16/17 20:40 CST	0		Hail (1.00 in)
04/16/17 20:40 CST	0		Source: COOP Observer

Quarter size hail was reported by a NWS cooperative weather observer. No damage was reported.

BRISCOE COUNTY --- 10.5 NW SILVERTON [34.56, -101.45]

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	04/16/17 20:50 CST		25K	Hail (1.75 in)
	04/16/17 20:50 CST		0	Source: Law Enforcement

Golf ball size hail was reported at Mackenzie Reservoir. The hail broke windows on cars and campers.

SWISHER COUNTY --- 11.9 S VIGO PARK [34.48, -101.48]

	04/16/17 21:25 CST		0	Hail (2.50 in)
	04/16/17 21:25 CST		0	Source: Fire Department/Rescue

Tennis ball size hail was reported near the Swisher/Briscoe County line. However, no damage was reported.

SWISHER COUNTY --- 11.9 S VIGO PARK [34.48, -101.49]

	04/16/17 21:25 CST		0	Funnel Cloud
	04/16/17 21:25 CST		0	Source: Fire Department/Rescue

A funnel cloud was spotted near the Swisher/Briscoe County line.

BRISCOE COUNTY --- 7.5 NNW QUITAQUE [34.47, -101.09], 7.3 NNW QUITAQUE [34.47, -101.08], 7.2 NNW QUITAQUE [34.47, -101.08], 7.3 NNW QUITAQUE [34.47, -101.09]

	04/16/17 22:40 CST		0	Debris Flow
	04/16/17 22:50 CST		0	Source: Law Enforcement

A rock slide occurred along State Highway 256 near County Road 27 following very heavy rainfall. This made the road impassable for an unknown amount of time.

Scattered thunderstorms developed early in the evening on the 16th from the extreme south-central Texas Panhandle through the southern South Plains. Several of these storms became severe due to a very unstable atmosphere. Very heavy rains from a storm in Briscoe County caused a rock slide along State Highway 256 which caused the road to be impassable.

HALL COUNTY --- 3.0 S ESTELLINE [34.51, -100.43]

	04/20/17 21:29 CST		0	Hail (1.50 in)
	04/20/17 21:29 CST		0	Source: Public

A citizen reported hail to the size of ping pong balls. No damage was reported.

An approaching upper level disturbance acted upon a very moist and unstable airmass late in the evening on the 20th. Scattered thunderstorms developed across the extreme southeastern Texas Panhandle. One of these storms became severe as it moved across southeastern Hall County.

CHILDRESS COUNTY --- 12.0 NE CHILDRESS [34.54, -100.05]

	04/29/17 00:19 CST		0	Hail (1.00 in)
	04/29/17 00:19 CST		0	Source: Amateur Radio

A HAM radio operator reported quarter size hail.

LUBBOCK COUNTY --- 1.0 E SLATON [33.43, -101.63]

	04/29/17 01:17 CST		0	Hail (1.50 in)
	04/29/17 01:17 CST		0	Source: Public

The Slaton Fire Department relayed a report of hail up to half-dollar size. No damage was reported.

FLOYD COUNTY --- 9.0 SE FLOYDADA [33.89, -101.22]

	04/29/17 02:30 CST		0	Hail (0.88 in)
	04/29/17 02:30 CST		0	Source: COOP Observer

A very strong upper level storm system moved from the four corners region into New Mexico early on the morning of the 29th. This system acted upon a very unstable elevated air mass producing scattered thunderstorms over the entire region. Some of these storms became severe with ample instability available.

(TX-Z022) CASTRO, (TX-Z023) SWISHER, (TX-Z026) CHILDRESS, (TX-Z029) HALE, (TX-Z030) FLOYD, (TX-Z036) CROSBY

	04/30/17 07:23 CST		0	High Wind (MAX 56 kt)
	04/30/17 14:36 CST		0	

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A very strong upper level storm system which brought severe storms early on the 29th, also brought high winds during the daytime on the 30th as it moved away from the region. A corridor of severe wind gusts and high sustained winds were observed from Castro County southeastward through Crosby County.

The following severe wind gusts are from the Texas Tech University West Texas mesonet, ASOS, or AWOS sites:

65 mph at Hart (Castro County), 63 mph at Floydada (Floyd County), 62 mph at Aiken (Hale County), 60 mph at Abernathy (Hale County), 60 mph at White River Lake (Crosby County), 59 mph at Dimmitt (Castro County), 58 mph at Childress (Childress County), and 58 mph at Plainview (Hale County).

The following high sustained winds are from the Texas Tech University West Texas mesonet:

45 mph at Vigo Park (Swisher County), and 44 mph at Tulia (Swisher County).