

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TEXAS, South Panhandle				
STONEWALL COUNTY --- 2.3 ESE ASPERMONT [33.13, -100.20]				
	05/01/19 15:00 CST		0	Hail (1.75 in)
	05/01/19 15:00 CST		0	Source: Law Enforcement
Damage was not known.				
An active stretch of severe weather ended with a series of supercell thunderstorms this day along an outflow boundary. High instability and moderate wind shear supported multiple rounds of supercells from Stonewall County northeast to the Red River Valley. Of the few supercells that passed near Aspermont this afternoon and evening, only one yielded ground truth for severe weather in the form of large hail.				
PARMER COUNTY --- 0.9 NE LAZBUDDIE [34.39, -102.61]				
	05/03/19 14:20 CST		0	Hail (1.75 in)
	05/03/19 14:20 CST		0	Source: Public
Damage was not known.				
PARMER COUNTY --- 0.9 NE FRIONA [34.64, -102.72]				
	05/03/19 17:11 CST		0	Hail (1.00 in)
	05/03/19 17:11 CST		0	Source: COOP Observer
No damage was noted.				
CASTRO COUNTY --- 0.9 NW SUMMERFIELD [34.74, -102.51]				
	05/03/19 18:17 CST		0	Hail (1.00 in)
	05/03/19 18:17 CST		0	Source: Emergency Manager
No damage was observed.				
KENT COUNTY --- 4.8 SSW JAYTON KENT CO ARPT [33.17, -100.61]				
	05/03/19 18:37 CST		0	Hail (1.75 in)
	05/03/19 18:37 CST		0	Source: Law Enforcement
Damage was not known.				
Scattered thunderstorms developed this afternoon near the Texas and New Mexico border. Despite weak winds aloft, moderate instability supported brief severe thunderstorms with some large hail and high winds. Farther southeast, one severe storm developed along an outflow boundary in Kent County.				
BAILEY COUNTY --- 3.5 S MULESHOE [34.17, -102.73]				
	05/04/19 17:40 CST		0	Hail (1.25 in)
	05/04/19 17:40 CST		0	Source: Storm Chaser
Damage was not known.				
BAILEY COUNTY --- 7.5 SSW PROGRESS [34.18, -102.87]				
	05/04/19 18:05 CST		0	Tornado (EFU, L: 0.01 mi , W: 30 yd)
	05/04/19 18:05 CST		0	Source: Storm Chaser
Storm chasers observed a landspout tornado for less than one minute in far northern Bailey County over open land. The tornado did not cause any damage, hence the EFU rating.				
BAILEY COUNTY --- 0.5 WNW NEEDMORE [34.03, -102.74]				
	05/04/19 18:58 CST		5K	Hail (2.50 in)
	05/04/19 18:58 CST		0	Source: Trained Spotter
A cracked windshield and hail dents were noted to a storm chaser's vehicle.				
BAILEY COUNTY --- 3.0 SSW CIRCLE BACK [33.99, -102.69]				

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/04/19 19:02 CST		0	Tornado (EFU, L: 0.01 mi , W: 30 yd)
	05/04/19 19:02 CST		0	Source: NWS Employee

NWS employees viewed a storm chaser's live stream of a very brief tornado. The funnel cloud extended 1/3 of the way down and kicked up a narrow debris cloud for less than 20 seconds. This tornado remained over open land and caused no damage.

CASTRO COUNTY --- 6.2 N DIMMITT MUNI ARPT [34.66, -102.32]

	05/04/19 20:36 CST		0	Hail (1.00 in)
	05/04/19 20:36 CST		0	Source: Law Enforcement

Damage was not known.

SWISHER COUNTY --- 1.8 ENE TULIA [34.54, -101.74]

	05/04/19 21:10 CST		0	Thunderstorm Wind (MG 55 kt)
	05/04/19 21:10 CST		0	Source: Mesonet

Measured by a Texas Tech University West Texas mesonet.

Similar to the day prior, thunderstorms developed late this afternoon near the Texas and New Mexico border. However, stronger wind shear this day allowed for these isolated storms to become supercells and drift slowly southeast across the western South Plains. One of these storms produced two very brief tornadoes in Bailey County over open land.

Storm Data and Unusual Weather Phenomena - May 2019

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

Tennis ball size hail fell in Needmore and damaged a storm chaser's vehicle. Photo credit Carolyn Scott.

LUBBOCK COUNTY --- 0.2 SW WOLFFORTH [33.50, -102.02], 2.4 NNW LUBBOCK AIRPARK [33.51, -101.84]

05/05/19 15:30 CST

1.50M

Hail (1.75 in)

05/05/19 16:04 CST

0

Source: NWS Employee

Storm Data and Unusual Weather Phenomena - May 2019

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

This was the first of at least two hail swaths that impacted many areas of south and southwest Lubbock. Fortunately, the hail fell without any strong winds, but minor hail damage was likely inflicted to thousands of vehicles across the area.

LUBBOCK COUNTY --- 3.0 SSW CARLISLE [33.54, -101.98], 2.4 WSW BURRIS [33.52, -101.82]

	05/05/19 16:19 CST		0	Hail (1.25 in)
	05/05/19 16:34 CST		0	Source: NWS Employee

On the heels of the earlier hail, a second hailstorm affected much of the same areas of southern Lubbock, this time with hailstones only to the size of half dollars. Damage estimates from this second hailstorm were impossible to estimate given the earlier damage.

LYNN COUNTY --- 4.5 ESE NEW HOME ARPT [33.27, -101.85], 3.2 ESE SKEEN [33.11, -101.73]

	05/05/19 16:45 CST		36K	Tornado (EF2, L: 17.20 mi , W: 2112 yd)
	05/05/19 17:50 CST		0	Source: NWS Storm Survey

Storm chasers observed what at first looked to be a harmless gustnado southeast of New Home, but this innocuous dirt whirl quickly grew taller and phased with a rotating wall cloud immediately aloft. This tornado slowly intensified just west of US Highway 87 and moved southeast before crossing the highway around 1655 CST. The NWS storm survey found only minimal wind damage along the highway, but this tornado rapidly intensified as it turned nearly due south just east of US Highway 87. It was here that the tornado inflicted EF2 damage to power poles approximately 2.7 miles N-NE of Tahoka. The tornado crossed US Highway 380 about 3 miles east of Tahoka around 1705 CST and grew to just over one mile in width. Visibility was compromised during much of this wedge phase due to large amounts of dust wrapping around the tornado. EF1 damage was noted to a residence along US Highway 380. About a half mile south of the highway the tornado caused EF1 to EF2 damage to a manufactured home and farm equipment. By 1730 CST, the tornado and parent mesocyclone halted their S-SE motion and wobbled back to the west as indicated by the radar data and storm chaser video. Based on reports from a few storm chasers, at least one additional tornado may have accompanied this larger tornado at times a mile or two to its northeast, but a lack of sufficient evidence prevented these reports from being submitted.

SWISHER COUNTY --- 0.7 N TULIA [34.54, -101.77]

	05/05/19 16:48 CST		0	Hail (1.75 in)
	05/05/19 16:50 CST		0	Source: Law Enforcement

Damage was not known.

LYNN COUNTY --- 2.1 N TAHOKA [33.21, -101.78]

	05/05/19 16:55 CST		0	Thunderstorm Wind (MG 54 kt)
	05/05/19 16:55 CST		0	Source: Mesonet

Measured by a Texas Tech University West Texas mesonet.

LYNN COUNTY --- 2.1 N TAHOKA [33.21, -101.78]

	05/05/19 16:58 CST		0	Thunderstorm Wind (MG 56 kt)
	05/05/19 16:58 CST		0	Source: Mesonet

Measured by a Texas Tech University West Texas mesonet.

SWISHER COUNTY --- 10.2 WNW VIGO PARK [34.72, -101.64]

	05/05/19 17:02 CST		20K	Thunderstorm Wind (EG 87 kt)
	05/05/19 17:02 CST		0	Source: NWS Storm Survey

A NWS storm survey revealed that a microburst completely destroyed a metal barn that was anchored in concrete. This barn was located along Farm to Market Road 1881 between County Roads 20 and 22. Although most of the debris had been cleaned up by the time the storm survey team arrived, the survey team noted that several remaining I-beams had been bent.

LYNN COUNTY --- 1.5 SSE TAHOKA [33.16, -101.77]

	05/05/19 17:10 CST		1M	Thunderstorm Wind (EG 70 kt)
	05/05/19 17:10 CST		0	Source: Broadcast Media

Intense rear flank downdraft winds as high as 80 mph were documented over a large swath of central Lynn County for nearly one hour. In addition to downing an estimated 250 power poles over the area, these winds caused minor damage to a couple dozen homes, sheds, and toppled several trees.

LYNN COUNTY --- 3.0 ESE SKEEN [33.11, -101.73], 4.5 ESE SKEEN [33.09, -101.71]

	05/05/19 17:33 CST		0.60K	Hail (2.50 in)
	05/05/19 17:40 CST		0	Source: Storm Chaser

Hail as large as tennis balls destroyed the rear window of a storm chaser's SUV.

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LYNN COUNTY --- O'DONNELL [32.97, -101.83], 1.4 NNW TAHOKA [33.20, -101.78], 4.6 ENE NEW LYNN [33.22, -101.59], 5.4 SE DRAW [32.98, -101.59]				
	05/05/19 18:10 CST		0	Flash Flood (due to Heavy Rain)
	05/05/19 20:30 CST		0.50M	Source: NWS Storm Survey

Torrential rainfall of 3 to 6 inches accompanied a supercell that became stationary at times across eastern Lynn County. Approximately 2000 acres of cotton crops sustained various degrees of damage, with some sections completely washed away by mud flows.

LYNN COUNTY --- 0.7 E DRAW [33.02, -101.66], 3.9 SSE DRAW [32.97, -101.65]				
	05/05/19 18:12 CST		0	Tornado (EF1, L: 5.00 mi , W: 880 yd)
	05/05/19 18:25 CST		0	Source: NWS Storm Survey

This tornado developed along Farm to Market 1054 south of the small community of Draw and produced EF1 damage to trees at a residence nearby. The tornado moved south-southwest and grew to a considerable size around one half mile wide while becoming heavily cloaked in dust, but fortunately did not cause any other known damage. As is common with decaying tornadoes with slow motions, this tornado curled abruptly to the left of its mean track (east in this case) and dissipated very near the Lynn and Borden County line.

LYNN COUNTY --- 0.7 N O'DONNELL [32.98, -101.83], 0.8 S O'DONNELL [32.96, -101.83]				
	05/05/19 18:15 CST		0.35M	Thunderstorm Wind (MG 64 kt)
	05/05/19 19:00 CST		0	Source: Mesonet

Severe wind gusts were measured for a 45-minute period by a Texas Tech University West Texas mesonet near O'Donnell. These winds were the result of an intense rear flank downdraft that accompanied a nearly stationary supercell. Wind damage to buildings and power poles was commonplace throughout O'Donnell and nearby areas.

Very strong instability developed across the South Plains this afternoon east of a sharp dryline. Scattered thunderstorms developed along the length of this dryline by 1600 CST and slowly matured into severe thunderstorms, including supercells. A remnant outflow boundary near the US Highway 84 corridor drifted west and interacted with an already stout supercell in southwest Lubbock County. This supercell proceeded to anchor to this boundary as it moved slowly southward and supported at least two sizable tornadoes in Lynn County over the next two hours. One of these tornadoes lasted 65 minutes and grew very intense with over 150 knots of gate-to-gate rotation noted per the Lubbock WSR-88D. These tornadoes narrowly missed population centers such as Tahoka and O'Donnell, but extensive lead time from warnings and excellent storm spotter reports gave the public plenty of time to seek shelter. This prolific supercell also produced very large hail to tennis ball size, intense RFD winds over 80 mph, and flash flooding.

Storm Data and Unusual Weather Phenomena - May 2019

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



This EF2 tornado near Tahoka, TX moved southeast for 11 miles over the course of 42 minutes. Photo credit Bruce Haynie.

PARMER COUNTY --- 2.0 NE FRIONA [34.65, -102.71]

05/06/19 16:40 CST	0		Thunderstorm Wind (MG 51 kt)
05/06/19 16:40 CST	0		Source: Mesonet

A Texas Tech University West Texas mesonet site near Friona measured a wind gust to 59 mph.

PARMER COUNTY --- FRIONA [34.63, -102.73]

05/06/19 21:48 CST	0		Hail (2.00 in)
05/06/19 21:50 CST	0		Source: Broadcast Media

Local broadcast media relayed a report of two inch size hail in Friona. No damage was reported.

Scattered severe thunderstorms developed across the extreme southwestern Texas Panhandle on the evening of the sixth. Reports of hail up to two inches in diameter were reported in Friona (Parmer County).

LAMB COUNTY --- 5.0 N OLTON [34.25, -102.13]

05/07/19 15:03 CST	0		Hail (1.00 in)
05/07/19 15:03 CST	0		Source: Social Media

A user on social media reported hail up to quarter size north of Olton. No damage was reported.

HALE COUNTY --- 4.8 NNW HALFWAY [34.25, -101.98]

05/07/19 15:27 CST	0		Tornado (EFU, L: 0.01 mi , W: 30 yd)
05/07/19 15:27 CST	0		Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - May 2019

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

Storm chasers observed and photographed a brief tornado approximately five miles southwest of Edmonson in Hale County. The NWS survey team was unable to locate any damage.

HOCKLEY COUNTY --- ROPESVILLE [33.42, -102.15], 1.0 S ROPESVILLE [33.41, -102.15]

05/07/19 15:50 CST	0	Hail (1.00 in)
05/07/19 15:50 CST	0	Source: Public

A report from the public was received of quarter size hail in and south of Ropesville. No damage was reported.

SWISHER COUNTY --- 5.2 W EUNICE [34.48, -101.84], 4.3 WSW TULIA [34.50, -101.83]

05/07/19 16:11 CST	0	Tornado (EFU, L: 1.51 mi , W: 600 yd)
05/07/19 16:16 CST	0	Source: NWS Storm Survey

A large, multiple vortex tornado was photographed by several storm chasers southwest of Tulia in Swisher County. Despite its size, the NWS survey team did not find any evidence of damage.

SWISHER COUNTY --- 4.7 W VIGO PARK [34.65, -101.56], 3.8 W VIGO PARK [34.66, -101.55]

05/07/19 16:56 CST	70K	Thunderstorm Wind (EG 96 kt)
05/07/19 17:04 CST	0	Source: NWS Storm Survey

A NWS storm survey team found evidence of strong rear flank downdraft winds to the southwest of a rain wrapped tornado near Vigo Park in Swisher County. A metal barn was partially collapsed. Metal roof panels from this barn were blown off of the structure a few yards away. Additionally, a cattle feeder weighing an estimated 2500 pounds was tipped over. Farther to the east in the damage path, 19 wood transmission poles were snapped off. Additionally, a Texas Tech University West Texas mesonet site approximately four miles to the east of the damage swath recorded a wind gust to 69 mph.

SWISHER COUNTY --- 9.4 WNW VIGO PARK [34.68, -101.64], 6.1 NW VIGO PARK [34.71, -101.55]

05/07/19 16:56 CST	0	Tornado (EFU, L: 5.35 mi , W: 150 yd)
05/07/19 17:10 CST	0	Source: NWS Storm Survey

Video evidence from a storm chaser showed a rain wrapped tornado moving to the northeast approximately 5-7 miles west-northwest of Vigo Park in Swisher County. The NWS survey team did not find any evidence of tornado damage due to the lack of damage indicators.

SWISHER COUNTY --- 4.9 NE TULIA ARPT [34.61, -101.73], 8.5 WNW KRESS [34.42, -101.88], 11.4 WSW TULIA ARPT [34.51, -101.98], 7.0 WSW KAFFIR [34.60, -101.94], 0.5 NW KAFFIR [34.63, -101.83]

05/07/19 17:00 CST	0	Flash Flood (due to Heavy Rain)
05/07/19 19:00 CST	0	Source: NWS Storm Survey

A NWS storm survey revealed significant flooding west of Tulia in Swisher County. Thunderstorms, some severe, trained over central Swisher County resulting in an estimated three to six inches of rainfall over a widespread area. Several County and Farm to Market Roads were found to have approximately four to five feet of flowing water over the roadways. In areas where water had already receded, Texas Department of Transportation maintenance vehicles were observed clearing mud off of the road where water had previously been over the roadway.

CHILDRESS COUNTY --- KIRKLAND [34.38, -100.07]

05/07/19 19:11 CST	0	Hail (1.00 in)
05/07/19 19:11 CST	0	Source: Law Enforcement

Law enforcement reported quarter size hail in Kirkland. No damage was reported.

LUBBOCK COUNTY --- 4.0 WSW LUBBOCK [33.56, -101.91]

05/07/19 22:07 CST	0	Hail (0.75 in)
05/07/19 22:07 CST	0	Source: Trained Spotter

BRISCOE COUNTY --- 2.8 N QUITAQUE [34.41, -101.05]

05/07/19 23:22 CST	0	Thunderstorm Wind (MG 52 kt)
05/07/19 23:22 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site in Caprock Canyons State Park measured a wind gust to 60 mph.

By 1400 CST on the seventh, another consecutive day of severe weather was underway across the South Plains of West Texas. A dryline mixed into West Texas and stalled around the US Highway 385 corridor. Discrete supercells developed along the entire dryline through the South Plains. Fortunately, many of these thunderstorms did not produce severe hail. The strongest thunderstorm of the day initially developed in Lamb County and slowly moved northeast into Hale and Swisher Counties. Numerous storm chasers observed this storm

Storm Data and Unusual Weather Phenomena - May 2019

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

and documented several tornadoes during its life cycle. The first tornado was observed approximately five miles southwest of Edmonson in Hale County. However, the NWS storm survey team was unable to locate any damage due to its brief duration and lack of damage indicators. Therefore, an EFU rating was assigned. The next tornado was observed several miles southwest of Tulia in Swisher County. Although this multi vortex tornado persisted for several minutes, no damage indicators were impacted, so an EFU rating was assigned to this tornado as well. The third tornado was observed about 4-5 miles northwest of Vigo Park and was the largest of the three. Similar to the other two tornadoes, no damage indicators were found by the NWS storm survey team, so a rating of EFU was assigned. Extremely strong rear flank downdraft winds were observed with this third tornado west of Vigo Park near the intersection of Farm to Market Roads 146 and 2301. A metal barn was partially destroyed and 19 wood transmission lines were snapped. Due to the slow moving nature of these storms, extremely heavy rainfall occurred in central Swisher County which brought an estimated three to six inches of rainfall over a short period of time. A NWS storm survey revealed many paved roads that had four to five feet of water running over the roadway. Several other roads still had mud from nearby fields on the roadway which indicates where water was over the roadway.



Photograph of a metal barn that was partially destroyed by rear flank downdraft winds. Photograph taken by the NWS storm survey.

CASTRO COUNTY --- 2.1 S ROSS [34.39, -102.18]

05/08/19 21:15 CST	0	Hail (1.25 in)
05/08/19 21:15 CST	0	Source: Social Media

No damage was reported.

CASTRO COUNTY --- 9.7 E SUMMERFIELD [34.72, -102.33]

05/08/19 21:30 CST	0	Hail (1.50 in)
05/08/19 21:30 CST	0	Source: Public

Damage was not known.

CASTRO COUNTY --- 4.2 N HART [34.44, -102.11]

05/08/19 21:37 CST	0	Hail (1.25 in)
05/08/19 21:37 CST	0	Source: Storm Chaser

No damage was reported.

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
SWISHER COUNTY --- 1.3 WSW EUNICE [34.47, -101.77]				
	05/08/19 22:17 CST		0	Hail (1.00 in)
	05/08/19 22:17 CST		0	Source: Storm Chaser
Most hailstones were nickel size. Damage was not known.				
BRISCOE COUNTY --- SILVERTON [34.47, -101.30]				
	05/08/19 23:10 CST		0	Hail (1.00 in)
	05/08/19 23:10 CST		0	Source: Public
No damage was reported.				
HOCKLEY COUNTY --- 0.9 NE SMYER [33.59, -102.16]				
	05/08/19 23:18 CST		0	Hail (0.88 in)
	05/08/19 23:18 CST		0	Source: Law Enforcement
No damage was reported.				
HOCKLEY COUNTY --- 0.5 ESE SMYER [33.58, -102.16]				
	05/08/19 23:20 CST		0	Hail (1.75 in)
	05/08/19 23:20 CST		0	Source: Social Media
Damage was not known.				
LUBBOCK COUNTY --- 4.2 S WOLFFORTH [33.44, -102.01], 2.0 N SLIDE [33.45, -101.90]				
	05/08/19 23:32 CST		12K	Hail (1.75 in)
	05/08/19 23:40 CST		0	Source: NWS Employee

A swath of severe hail as large as golf ball size moved east from south of Wolfforth to just west of Woodrow. Strong winds and torrential rains accompanied the hail. Minor damage was observed to some vehicles the following morning.

Behind an unusually strong Canadian cold front ahead of an upper low, isolated severe storms developed late this evening in the far southwest Texas Panhandle. Strong elevated instability and favorable wind shear sustained one supercell storm that tracked from near Bovina (Parmer County) to Silverton (Briscoe County) with periodic instances of severe hail. Later this night, a squall line developed as the upper low approached the region. Even with temperatures in the 40s and 50s, severe hail as large as golf balls pummeled portions of southern Lubbock County in addition to producing torrential rainfall and minor flooding.

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
05-09-2019 03:00:35 Thu				
				
Amherst NWS Lubbock				

Webcam view of a long-lived supercell at night near Dimmitt, TX that produced periodic severe hail from Castro County to Briscoe County. This storm formed behind a cold front with temperatures only in the 50s. Image credit NWS Lubbock.

DICKENS COUNTY --- 4.7 SSW MC ADOO [33.66, -101.00], 4.0 S MC ADOO [33.67, -100.99]				
	05/20/19 13:05 CST	0		Tornado (EFU, L: 1.00 mi , W: 30 yd)
	05/20/19 13:18 CST	0		Source: Storm Chaser
Both a storm chaser and an off duty NWS employee observed a weak tornado in Dickens County south of McAdoo, just south of US Highway 82 / Texas Highway 114. The tornado remained over open land and did not cause any known damage.				
DICKENS COUNTY --- 8.6 E AFTON [33.76, -100.65]				
	05/20/19 13:13 CST	0		Hail (0.88 in)
	05/20/19 13:13 CST	0		Source: Storm Chaser
DICKENS COUNTY --- MC ADOO [33.73, -100.98]				
	05/20/19 13:16 CST	0		Hail (1.25 in)
	05/20/19 13:16 CST	0		Source: NWS Employee
An off duty NWS employee that was storm chasing reported hail up to half dollar size.				
COTTLE COUNTY --- 4.8 E NARCISSO [34.00, -100.39], 4.9 E NARCISSO [34.00, -100.38]				
	05/20/19 14:00 CST	0		Tornado (EFU, L: 0.20 mi , W: 10 yd)
	05/20/19 14:01 CST	0		Source: Emergency Manager
The emergency manager for Cottle County witnessed and provided video evidence of a brief tornado near the intersection of US Highway 62 and Farm to Market Road 1037 west of Paducah.				
COTTLE COUNTY --- 4.2 W PADUCAH [34.02, -100.37], 3.5 WNW PADUCAH [34.05, -100.35]				
	05/20/19 14:01 CST	0		Tornado (EF0, L: 1.89 mi , W: 20 yd)
	05/20/19 14:09 CST	0		Source: Emergency Manager
The emergency manager for Cottle County witnessed and provided video evidence of a tornado near the intersection of County Road 108 and Farm to Market Road 1037 northwest of Paducah.				
CHILDRESS COUNTY --- 13.2 W LOCO [34.72, -100.38]				

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/20/19 14:23 CST		0	Hail (2.50 in)
	05/20/19 14:23 CST		0	Source: Storm Chaser

A storm chaser reported hail up to the size of tennis balls along Texas Highway 256 in northwestern Childress County.

LYNN COUNTY --- NEW HOME [33.32, -101.92]

05/20/19 14:46 CST	10K	Thunderstorm Wind (MG 65 kt)
05/20/19 14:50 CST	0	Source: Mesonet

From 1446 through 1450 CST, severe wind gusts were observed by the Texas Tech University West Texas mesonet site in New Home. The strongest gust reached 75 mph along with one-minute sustained winds of 64 mph. Furthermore, pictures on social media revealed that a few power lines were downed by these high winds.

LUBBOCK COUNTY --- 2.0 WSW SLIDE [33.41, -101.93], 0.3 SSW IDALOU [33.67, -101.68]

05/20/19 15:04 CST	0.25M	Thunderstorm Wind (MG 55 kt)
05/20/19 15:13 CST	0	Source: Official NWS Observations

A long swath of severe thunderstorm winds caused widespread damage in Lubbock County near Slide, through the city of Lubbock, into Idalou. The peak wind gust recorded was 63 mph by the Automated Surface Observing System (ASOS) at Lubbock Preston Smith International Airport. The NWS office on the south side of the city of Lubbock recorded a wind gust to 60 mph. Numerous trees and utility poles were reported to have been blown over or snapped. Additionally, a home under construction was destroyed by the destructive winds. A semi-trailer was blown over onto a car near the intersection of Farm to Market roads 41 and 1730 in southern Lubbock County.

LUBBOCK COUNTY --- 4.9 N SLIDE [33.49, -101.90]

05/20/19 15:08 CST	0	Hail (1.75 in)
05/20/19 15:08 CST	0	Source: Public

Hail up to golf ball size was reported near the intersection of 114th Street and Quaker Avenue in the city of Lubbock. This hail report was among the widespread swath of thunderstorm wind damage as the same time.

HALL COUNTY --- TURKEY [34.40, -100.88]

05/20/19 15:18 CST	0	Hail (1.00 in)
05/20/19 15:18 CST	0	Source: COOP Observer

An NWS cooperative weather observer reported quarter size hail in Turkey. No damage was reported.

LYNN COUNTY --- 2.4 S NEW MOORE [32.99, -102.03]

05/20/19 15:20 CST	0	Hail (1.75 in)
05/20/19 15:20 CST	0	Source: Broadcast Media

Local media relayed a report of golf ball size hail approximately ten miles west of O'Donnell.

HALE COUNTY --- 5.0 ENE ABERNATHY [33.86, -101.77]

05/20/19 15:30 CST	0	Thunderstorm Wind (MG 50 kt)
05/20/19 15:30 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Abernathy recorded a wind gust to 58 mph.

FLOYD COUNTY --- FLOYDADA [33.98, -101.33]

05/20/19 15:31 CST	0	Hail (1.00 in)
05/20/19 15:31 CST	0	Source: COOP Observer

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

FLOYD COUNTY --- 2.0 NNE FLOYDADA [34.01, -101.32]

05/20/19 15:35 CST	0	Thunderstorm Wind (MG 64 kt)
05/20/19 15:35 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Floydada measured a wind gust to 74 mph.

CROSBY COUNTY --- 5.0 S RALLS [33.61, -101.38]

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/20/19 15:39 CST		0	Hail (1.00 in)
	05/20/19 15:39 CST		0	Source: Emergency Manager

The emergency manager for Crosby County reported quarter size hail approximately five miles south of Ralls on Texas Highway 207. No damage was reported.

CROSBY COUNTY --- 3.0 SSE LORENZO [33.63, -101.51]

	05/20/19 16:28 CST		0	Hail (0.75 in)
	05/20/19 16:28 CST		0	Source: Emergency Manager

DICKENS COUNTY --- 1.0 W SPUR [33.48, -100.87], 4.3 S DICKENS [33.56, -100.84]

	05/20/19 17:25 CST		0.10M	Thunderstorm Wind (MG 70 kt)
	05/20/19 17:35 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Spur recorded a wind gust to 80 mph. Furthermore, a swath of thunderstorm wind damage was observed near Spur to approximately six miles north of Spur. Fire department personnel in Spur reported 20 utility poles blown over along Farm to Market Road 1868 just northwest of Spur. Also, a roof was blown off of a house near the intersection of Texas Highway 70 and County Road 466.

DICKENS COUNTY --- 13.6 E DICKENS [33.60, -100.60], 16.3 E DICKENS [33.63, -100.55]

	05/20/19 17:47 CST		0	Tornado (EFU, L: 3.37 mi , W: 300 yd)
	05/20/19 17:54 CST		0	Source: Storm Chaser

Numerous storm chasers observed a large rain wrapped tornado about 15 miles east of Dickens near US Highway 82. A storm chaser did report that there were trees downed near the intersection of US Highway 82 and County Road 371.

KING COUNTY --- 2.0 S GUTHRIE [33.59, -100.33]

	05/20/19 18:38 CST		0	Hail (1.75 in)
	05/20/19 18:38 CST		0	Source: Storm Chaser

A storm chaser reported hail up to golf ball size two miles south of Guthrie.

KENT COUNTY --- JAYTON [33.25, -100.58]

	05/20/19 22:43 CST		0	Hail (1.00 in)
	05/20/19 22:43 CST		0	Source: Law Enforcement

Law enforcement in Jayton reported quarter size hail. No damage was reported.

STONEWALL COUNTY --- 0.5 NNW ASPERMONT [33.16, -100.23], 0.5 N ASPERMONT [33.16, -100.23], 0.4 N ASPERMONT [33.16, -100.23], 0.4 N ASPERMONT [33.16, -100.23]

	05/20/19 23:30 CST		0	Flood (due to Heavy Rain)
	05/21/19 01:30 CST		0	Source: Law Enforcement

Repeated rounds of thunderstorms and heavy rain lead to minor flooding in Stonewall County on the north side of Aspermont. It was reported that about eight inches of water was flowing over US Highway 83.

The afternoon of the 20th was the beginning of an extended period of several weeks of severe weather for the South Plains and Rolling Plains of West Texas. A high risk of severe weather was issued by the Storm Prediction Center in the morning for the afternoon of the 20th. Southwest flow aloft with an embedded mid level jet streak contributed to an ample amount of lift across the region. Numerous thunderstorms developed east of the dryline which was located west of the Interstate 27/US Highway 87 corridor. Very strong instability developed out ahead of the dryline in the warm sector along with favorable shear for supercell and tornado development. Although no long track tornadoes were observed, there were several weak tornadoes that developed. The most destructive storm of the afternoon was a supercell that moved through parts of the city of Lubbock (Lubbock County). A widespread swath of wind gusts in excess of 60 mph and extensive wind damage was seen from southern Lubbock County up through the south side of Lubbock and into Idalou. Due to the fast moving nature of the thunderstorms, this damage occurred over a period of only nine minutes from 1504 through 1513 CST. Most damage reports consisted of downed trees and power lines.

Storm Data and Unusual Weather Phenomena - May 2019

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



Photograph of a trailer blown over on top of a car near the intersection of Farm to Market roads 41 and 1730. Photograph courtesy of Clinton Theford.

(TX-Z021) PARMER, (TX-Z022) CASTRO, (TX-Z023) SWISHER, (TX-Z024) BRISCOE, (TX-Z025) HALL, (TX-Z027) BAILEY, (TX-Z028) LAMB, (TX-Z029) HALE

05/21/19 10:30 CST	0	High Wind (MAX 56 kt)
05/21/19 16:00 CST	0	

The strong upper level low pressure system which brought widespread severe thunderstorms on the 20th then brought strong to high winds on the afternoon of the 21st. This upper level low tracked across the Texas Panhandle during the day on the 21st which brought a very strong height gradient across the region. A swath of high wind gusts were observed across the extreme southern Texas Panhandle mainly from 1100 CST through 1600 CST.

The highest wind gusts per county are listed below from the Texas Tech University West Texas mesonet:

- Castro County - 64 mph at Hart,
- Briscoe County - 62 mph at Silverton,
- Hale County - 62 mph at Aiken,
- Lamb County - 61 mph at Amherst,
- Swisher County - 60 mph at Vigo Park,
- Hall County - 59 mph at Lesley,
- Bailey County - 58 mph at Muleshoe.

The highest sustained winds per county are listed below from the Texas Tech University West Texas mesonet:

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Parmer County - 41 mph at Friona.				
YOAKUM COUNTY --- DENVER CITY [32.97, -102.85]				
	05/23/19 15:18 CST	0		Hail (1.00 in)
	05/23/19 15:18 CST	0		Source: Social Media
A video was posted to social media which showed quarter size hail in Denver City.				
YOAKUM COUNTY --- DENVER CITY [32.97, -102.85]				
	05/23/19 15:58 CST	0		Hail (0.88 in)
	05/23/19 15:58 CST	0		Source: COOP Observer
LAMB COUNTY --- 3.0 N SPRINGLAKE [34.27, -102.30]				
	05/23/19 16:21 CST	0		Hail (1.00 in)
	05/23/19 16:21 CST	0		Source: Trained Spotter
A trained spotter reported quarter size hail three miles north of Springlake along US Highway 385.				
TERRY COUNTY --- 0.7 NW JOHNSON [33.23, -102.48]				
	05/23/19 16:28 CST	0		Tornado (EFU, L: 0.07 mi , W: 10 yd)
	05/23/19 16:28 CST	0		Source: Trained Spotter
A trained spotter reported a brief anticyclonic tornado west of Brownfield.				
CASTRO COUNTY --- DIMMITT [34.55, -102.32]				
	05/23/19 16:35 CST	0		Hail (1.00 in)
	05/23/19 16:35 CST	0		Source: COOP Observer
A NWS cooperative weather observer reported quarter size hail. No damage was reported.				
TERRY COUNTY --- 8.0 W BROWNFIELD [33.18, -102.42]				
	05/23/19 17:12 CST	0		Hail (1.75 in)
	05/23/19 17:12 CST	0		Source: Social Media
A picture posted to social media showed a golf ball size hail stone.				
LUBBOCK COUNTY --- 0.3 WSW CARLISLE [33.58, -101.97]				
	05/23/19 17:30 CST	0		Hail (1.00 in)
	05/23/19 17:35 CST	0		Source: Social Media
Several reports of penny size hail were received on the west side of the city of Lubbock. One report of quarter size hail was observed at 19th Street and Upland Ave.				
TERRY COUNTY --- 2.0 SW MEADOW [33.31, -102.22], MEADOW [33.33, -102.20]				
	05/23/19 17:47 CST	0		Hail (2.00 in)
	05/23/19 17:50 CST	0		Source: Social Media
Reports relayed by local broadcast media and on social media showed hail up to two inches in diameter. No damage was reported.				
LUBBOCK COUNTY --- 5.0 S WOLFFORTH [33.43, -102.02], 7.0 SW LUBBOCK [33.51, -101.94]				
	05/23/19 18:07 CST	0		Hail (1.75 in)
	05/23/19 18:30 CST	0		Source: NWS Employee
Numerous reports were received of hail ranging from nickel size to golf ball size from south of Wolfforth to southwestern portions of the city of Lubbock. No damage was reported.				
LUBBOCK COUNTY --- 4.8 NNW SLIDE [33.49, -101.93], 3.6 W LUBBOCK AIRPARK [33.49, -101.88], 4.0 SE DOUD [33.53, -101.88], 3.0 S DOUD [33.53, -101.93]				
	05/23/19 18:15 CST	0		Flood (due to Heavy Rain)
	05/23/19 20:15 CST	0		Source: NWS Employee

Storm Data and Unusual Weather Phenomena - May 2019

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

Several reports were received of flooding on roads in the southwestern portion of the city of Lubbock.

LUBBOCK COUNTY --- 4.0 W SLIDE [33.42, -101.97], 2.0 N WOODROW [33.48, -101.82]

05/23/19 18:30 CST	0	Funnel Cloud
05/23/19 18:45 CST	0	Source: NWS Employee

Several credible reports were received of a funnel cloud moving across the southern portion of Lubbock County.

COCHRAN COUNTY --- WHITEFACE [33.60, -102.62]

05/23/19 18:47 CST	0	Hail (0.75 in)
05/23/19 19:12 CST	0	Source: Public

LUBBOCK COUNTY --- 2.3 SSE LUBBOCK [33.55, -101.84], 0.3 SE LUBBOCK [33.58, -101.85]

05/23/19 18:58 CST	0	Hail (1.75 in)
05/23/19 19:04 CST	0	Source: Emergency Manager

An emergency management official and the Lubbock Fire Department reported hail ranging from quarter size to golf ball size between 19th and 50th Streets along Interstate 27.

(TX-Z023) SWISHER

05/23/19 19:00 CST	0	High Wind (MAX 50 kt)
05/23/19 19:00 CST	0	

LUBBOCK COUNTY --- 4.0 SW SHALLOWATER [33.64, -102.03], SHALLOWATER [33.68, -101.98]

05/23/19 19:30 CST	0	Hail (2.75 in)
05/23/19 19:34 CST	0	Source: Broadcast Media

A swath of hail was reported with hail sizes ranging from golf ball up to baseball. No damage was reported.

HOCKLEY COUNTY --- WHITHARRAL [33.73, -102.33]

05/23/19 19:55 CST	0	Hail (1.00 in)
05/23/19 19:55 CST	0	Source: Social Media

A picture on social media showed quarter size hail in Whitharral.

HALE COUNTY --- 7.0 E ABERNATHY [33.83, -101.73]

05/23/19 20:15 CST	0	Hail (1.75 in)
05/23/19 20:15 CST	0	Source: Storm Chaser

A storm chaser measured hail up to golf ball size.

LUBBOCK COUNTY --- SHALLOWATER [33.68, -101.98]

05/23/19 20:57 CST	0	Hail (2.25 in)
05/23/19 20:57 CST	0	Source: Public

A member of the public submitted a picture that showed 2.25 inch diameter hail. No damage was reported.

FLOYD COUNTY --- FLOYDADA [33.98, -101.33]

05/23/19 21:00 CST	1K	Thunderstorm Wind (EG 52 kt)
05/23/19 21:00 CST	0	Source: Law Enforcement

Law enforcement in Floyd County reported that a car port had been destroyed by thunderstorm winds.

HALE COUNTY --- ABERNATHY [33.83, -101.85]

05/23/19 21:24 CST	0	Hail (2.00 in)
05/23/19 21:24 CST	0	Source: Trained Spotter

A trained spotter reported hail up to two inches in diameter in Abernathy. No damage was reported.

FLOYD COUNTY --- 1.1 ESE SANDHILL [33.99, -101.46]

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/23/19 22:02 CST		0	Hail (2.50 in)
	05/23/19 22:02 CST		0	Source: Trained Spotter

A trained spotter reported hail up to tennis ball size west of Floydada. No damage was reported.

HALE COUNTY --- 8.7 SE SETH WARD [34.13, -101.57]

05/23/19 23:09 CST	0	Thunderstorm Wind (MG 51 kt)
05/23/19 23:09 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Aiken measured a wind gust to 59 mph.

Another day of long-lived widespread severe weather was observed on the South Plains of West Texas on the afternoon and evening of the 23rd. The first report of severe weather was received at 1518 CST with the final report at 2309 CST. A persistent long wave trough over the western United States remained in place with a dryline moving into the South Plains in the afternoon. Numerous thunderstorms developed east of the dryline and took advantage of strong shear and instability and rapidly became severe. Most reports consisted of large hail with the largest report of baseball size hail near Shallowater (Lubbock County). Despite the strong shear and low cloud bases, only one report was received of a tornado. A brief anticyclonic tornado was observed west of Brownfield (Terry County). Additionally, very heavy rainfall caused flooding in portions of the southwestern part of the city of Lubbock (Lubbock County).

LUBBOCK COUNTY --- 5.0 S WOLFFORTH [33.43, -102.02], 1.0 NE WEST CARLISLE [33.59, -101.94]

05/24/19 12:59 CST	0	Hail (1.75 in)
05/24/19 13:31 CST	0	Source: Emergency Manager

A cluster of thunderstorms moving into southwestern Lubbock County brought a widespread swath of severe hail. The first report was from a NWS employee five miles south of Wolfforth at 1259 CST. The final report came at 1331 CST in northwest Lubbock. Hail was mostly quarter to half dollar size with the largest report of golf ball size along US Highway 62/82 southwest of Wolfforth.

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

05/24/19 13:59 CST	0	Hail (1.50 in)
05/24/19 13:59 CST	0	Source: COOP Observer

A NWS cooperative weather observer reported hail up to ping pong ball size nine miles southeast of Floydada. No damage was reported.

LUBBOCK COUNTY --- 1.8 NNW SLIDE [33.44, -101.91], 3.2 S LUBBOCK [33.53, -101.85], 1.1 WNW BURRIS [33.54, -101.80], 0.6 NNW WOODROW [33.46, -101.83]

05/24/19 14:00 CST	0.10M	Flash Flood (due to Heavy Rain)
05/24/19 16:00 CST	0	Source: Department of Highways

Numerous reports of flooding were received throughout the city and county of Lubbock. Texas Department of Transportation closed off South Loop 289 near Avenue P in the city of Lubbock due to flooding. Several vehicles became stranded in flood waters throughout the south side of the city of Lubbock.

CROSBY COUNTY --- ESTACADO [33.78, -101.52]

05/24/19 14:08 CST	0	Hail (1.75 in)
05/24/19 14:08 CST	0	Source: Public

A public report was received of golf ball size hail near the town of Estacado in Crosby County.

LYNN COUNTY --- 5.8 NE NEW LYNN [33.26, -101.59]

05/24/19 14:18 CST	0	Hail (0.88 in)
05/24/19 14:18 CST	0	Source: Public

LYNN COUNTY --- 11.1 E WILSON [33.34, -101.54]

05/24/19 14:23 CST	0	Hail (1.00 in)
05/24/19 14:23 CST	0	Source: Social Media

A picture from social media showed quarter size hail a couple of miles southeast of Southland.

MOTLEY COUNTY --- ROARING SPGS [33.90, -100.85], 9.0 E MATADOR [34.02, -100.66]

05/24/19 14:50 CST	50K	Thunderstorm Wind (MG 56 kt)
05/24/19 15:12 CST	0	Source: Mesonet

Storm Data and Unusual Weather Phenomena - May 2019

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

A Texas Tech University West Texas mesonet site near Roaring Springs measured wind gusts up to 65 mph for five minutes. Additionally, an NSSL mobile mesonet also recorded 65 mph wind gusts around the same location and nine miles east of Matador. The emergency manager in Motley County reported that several trees and power lines were blown down in Roaring Springs.

CROSBY COUNTY --- 2.6 WSW RALLS [33.66, -101.42], 2.4 WNW RALLS [33.70, -101.42], 2.7 NNE CROSBYTON PAULDER AR [33.69, -101.20], 0.5 SSE CROSBYTON PAULDER AR [33.64, -101.22]

	05/24/19 15:00 CST		1K	Flood (due to Heavy Rain)
	05/24/19 17:00 CST		0	Source: Law Enforcement

Law enforcement in Crosbyton reported that numerous roads in Crosby County were flooded and impassable. This area had received torrential rainfall from training thunderstorms over a two hour period.

MOTLEY COUNTY --- MATADOR [34.02, -100.82]

	05/24/19 15:03 CST		0	Hail (1.00 in)
	05/24/19 15:03 CST		0	Source: Emergency Manager

An emergency manager reported quarter size hail in Matador.

LUBBOCK COUNTY --- 1.7 WNW LUBBOCK [33.59, -101.88]

	05/24/19 15:19 CST		0	Hail (0.75 in)
	05/24/19 15:19 CST		0	Source: Public

LUBBOCK COUNTY --- DOUD [33.57, -101.93]

	05/24/19 15:31 CST		0	Hail (0.88 in)
	05/24/19 15:31 CST		0	Source: Trained Spotter

LUBBOCK COUNTY --- 0.7 ENE WOLFFORTH [33.50, -102.01], 1.5 NNE WOLFFORTH [33.52, -102.01]

	05/24/19 15:47 CST		0	Hail (1.75 in)
	05/24/19 15:49 CST		0	Source: Emergency Manager

Trained spotters in Wolfforth reported hail up to golf ball size.

LUBBOCK COUNTY --- 1.6 NNE DOUD [33.59, -101.92]

	05/24/19 15:58 CST		0	Hail (1.25 in)
	05/24/19 15:58 CST		0	Source: Social Media

A picture on social media showed mostly quarter sized hail with some half dollar size hail on the northwest side of the city of Lubbock.

CROSBY COUNTY --- RALLS [33.68, -101.38]

	05/24/19 16:39 CST		0	Hail (1.00 in)
	05/24/19 16:39 CST		0	Source: Emergency Manager

An emergency manager reported quarter size hail in Ralls.

LUBBOCK COUNTY --- NEW DEAL [33.73, -101.83], 0.7 W NEW DEAL [33.73, -101.84], 0.8 WNW NEW DEAL [33.74, -101.84], 0.5 N NEW DEAL [33.74, -101.83]

	05/24/19 18:00 CST		0	Flood (due to Heavy Rain)
	05/24/19 21:00 CST		0	Source: NWS Employee

A NWS employee reported that water was flooding the northbound lanes of Interstate 27 at New Deal. This area had been hit with several hours of training thunderstorms with torrential rainfall prior to this report.

LUBBOCK COUNTY --- 0.7 SE BROADVIEW [33.64, -101.94]

	05/24/19 18:15 CST		0	Hail (1.75 in)
	05/24/19 18:15 CST		0	Source: Trained Spotter

A trained spotter reported golf ball size hail near the intersection of US Highway 84 and Farm to Market Road 2528.

LAMB COUNTY --- 6.0 SE LITTLEFIELD [33.86, -102.25], 1.1 SSW BAINER [33.87, -102.24], 1.2 SSW BAINER [33.86, -102.24], 1.8 SSW BAINER [33.86, -102.24]

	05/24/19 19:00 CST		3K	Flash Flood (due to Heavy Rain)
	05/24/19 21:00 CST		0	Source: COOP Observer

Storm Data and Unusual Weather Phenomena - May 2019

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

Torrential rainfall over a period of two hours caused minor inundation of a home of a NWS cooperative weather observer.

LUBBOCK COUNTY --- 1.6 SSE ABERNATHY [33.81, -101.84]

05/24/19 19:27 CST		0	Hail (1.00 in)
05/24/19 19:27 CST		0	Source: Trained Spotter

A trained spotter reported quarter size hail along Interstate 27 south of Abernathy.

A persistent upper level trough over the western United States allowed for another day of convective development across the South Plains of West Texas. Although strong large scale lift was not anticipated on the afternoon of the 24th, widespread severe thunderstorms developed under a very moist and unstable atmosphere. A quasi-stationary warm front began to move northward during the morning hours with a dryline mixing into the South Plains from the west. Very high surface dew points in the warm sector allowed mixed layer instabilities to climb to values greater than 3000 J/kg. Thunderstorms easily blossomed under these conditions and produced widespread hail up to the size of golf balls, in particular, across Lubbock County. The presence of the quasi-stationary front and dryline allowed thunderstorms to train over many areas. The most devastating flooding was observed in Crosby County where numerous roads became flooded and impassable. Flooding was also extreme in Lubbock County where many vehicles became stranded in flood waters on the south side of the city of Lubbock. Late in the evening, a home of a NWS cooperative weather observer became partially inundated by flood waters due to training of thunderstorms. One thunderstorm took on supercell characteristics while moving across Motley County. Although no tornadoes were observed, several severe wind gusts were reported by the Texas Tech University West Texas mesonet and a NSSL mobile mesonet. These winds also caused numerous power poles and trees to be downed in Roaring Springs.

BRISCOE COUNTY --- SILVERTON [34.47, -101.30]

05/25/19 14:59 CST		0	Hail (1.00 in)
05/25/19 14:59 CST		0	Source: Fire Department/Rescue

The Silverton Fire Department reported quarter size hail in Silverton.

YOAKUM COUNTY --- PLAINS [33.18, -102.83], 3.0 N PLAINS [33.22, -102.83]

05/25/19 15:50 CST		0	Thunderstorm Wind (MG 57 kt)
05/25/19 15:55 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Plains measured a wind gust to 66 mph. Furthermore, law enforcement in Plains reported that a tree had been blown over and was blocking a roadway in the city of Plains.

HOCKLEY COUNTY --- 3.9 NNE WHITHARRAL [33.78, -102.30], 4.6 NE WHITHARRAL [33.78, -102.28]

05/25/19 15:59 CST		0	Tornado (EFU, L: 1.06 mi , W: 30 yd)
05/25/19 16:01 CST		0	Source: Storm Chaser

Storm chasers reported a brief tornado in Hockley County. A storm survey was unable to be completed to due flooded roads.

LAMB COUNTY --- 6.0 SE LITTLEFIELD [33.86, -102.25], 1.9 NNW FIELDTON [34.06, -102.23], 3.7 S OLTON [34.13, -102.13], 2.8 S BAINER [33.84, -102.23]

05/25/19 16:20 CST		10K	Flash Flood (due to Heavy Rain)
05/25/19 18:20 CST		0	Source: COOP Observer

For the second day in a row, repeated rounds of torrential rainfall from thunderstorms caused a home of a NWS cooperative weather observer to be partially inundated by flood waters. Furthermore, the Sheriff's Office in Lamb County reported that Farm to Market Road 1072 through Fieldton was flooded. A storm chaser also observed 6 to 12 inches of water flowing over Farm to Market Road 168 approximately one mile north of Spade.

HALE COUNTY --- 2.0 NW PLAINVIEW [34.22, -101.73], 1.1 WNW SETH WARD [34.23, -101.70]

05/25/19 16:39 CST		0.25M	Tornado (EF2, L: 1.69 mi , W: 100 yd)
05/25/19 16:44 CST		0	Source: NWS Storm Survey

Tornado development started west of Interstate 27 around 1636 CST based on storm chaser images. The first indications of damage occurred near the intersection of Industrial Boulevard and northbound Interstate 27 where shipping containers were blown over. Damage was then noted to the northeast along the Interstate at the off-ramp and North Columbia Street where tin roofs were blown off storage buildings. Damage then continued south and east towards the intersection of North Columbia Street and Fence Road where a small out building was destroyed and a mobile home that was being transported on a flatbed trailer was blown over and destroyed. The tornado started to move east near or over County Road 65/East 34th Street where several trees had damage and a small out building was destroyed. On County Road 65, halfway between North Columbia Street and Well Road, the most significant damage occurred to a trussed cell phone tower. The tower was destroyed and fell across County Road 65. The tornado dissipated shortly after crossing Well Road north of County Road 65. Up to 2400 homes were without power in Plainview immediately after the storm passage.

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HALE COUNTY --- 2.4 ENE HALE CENTER [34.08, -101.79], 7.4 E SETH WARD [34.21, -101.55], 8.0 ENE FINNEY [34.32, -101.59], 4.1 E HALFWAY [34.19, -101.88]				
	05/25/19 16:45 CST		1M	Flash Flood (due to Heavy Rain)
	05/25/19 18:45 CST		0	Source: Law Enforcement
Numerous roads in and around Plainview were flooded by torrential rainfall from a supercell thunderstorm. The intersection of Interstate 27 and Farm to Market Road 194 was completely inundated by water. Water may have been reaching into some businesses along the road.				
HALE COUNTY --- 3.3 W COTTON CENTER [34.00, -102.06], 1.4 E COTTON CENTER [34.00, -101.98]				
	05/25/19 17:08 CST		0	Tornado (EFU, L: 4.64 mi , W: 100 yd)
	05/25/19 17:16 CST		0	Source: NWS Storm Survey
Moving over mainly farm and ranch land, there were no damage indicators hit to provide an EF rating. The only indications of damage were an overturned center pivot irrigation system near a curve of Farm to Market Road 37, 2.5 miles WNW of Cotton Center. A cotton trailer and livestock feed bunk were also pulled across the road near this location. The tornado continued moving east passing one mile north of Cotton Center and no damage was found near Farm to Market Road 179 where the path crossed the road. The tornado dissipated one mile ENE of Cotton Center. Poor road conditions prevented a NWS storm survey to determine if any damage existed beyond this point.				
CASTRO COUNTY --- DIMMITT [34.55, -102.32]				
	05/25/19 17:46 CST		0	Hail (1.50 in)
	05/25/19 17:46 CST		0	Source: Law Enforcement
Law enforcement in Dimmitt reported half dollar size hail. No damage was reported.				
BRISCOE COUNTY --- 3.1 NNW QUITAQUE [34.41, -101.07]				
	05/25/19 17:52 CST		0	Thunderstorm Wind (MG 53 kt)
	05/25/19 17:52 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site in Caprock Canyons State Park measured a wind gust to 61 mph.				
HALL COUNTY --- 1.4 NNW ELI [34.70, -100.63]				
	05/25/19 18:40 CST		0	Tornado (EFU, L: 0.01 mi , W: 30 yd)
	05/25/19 18:40 CST		0	Source: Storm Chaser
Storm chasers observed a brief tornado near the ghost town of Eli.				
BRISCOE COUNTY --- 3.1 NNW QUITAQUE [34.41, -101.07]				
	05/25/19 18:45 CST		0	Thunderstorm Wind (MG 51 kt)
	05/25/19 18:46 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site in Caprock Canyons State Park measured a wind gust to 59 mph.				
Another consecutive day of severe weather unfolded across the South Plains of West Texas and the extreme southern Texas Panhandle. An upper level trough remained in place over the Intermountain West with a weak short wave moving over the South Plains during the afternoon hours. Convection initially developed late in the morning in eastern New Mexico while rapidly expanding in coverage as convection moved east. Storms quickly became severe as they took advantage of ample instability. A few reports of large hail and severe wind gusts were received from thunderstorms on the 25th.				
The most significant weather from these storms were flooding and tornadoes. A NWS storm survey revealed that four tornadoes occurred on the 25th with one EF-2 and three EF-U ratings. The first was approximately eight miles west-southwest of Anton in Hockley County but flooded roads prevented a survey from taking place. The second tornado, rated EF-2, occurred for only six minutes but caused significant damage near Plainview (Hale County). The most significant damage from this tornado was the destruction of a trussed cell phone tower. Several other areas of damage were noted from this tornado along Interstate 27 just north of Plainview. The third tornado was on the ground for approximately 4.7 miles but no damage indicators prevented a rating to be assigned to this tornado. The fourth and final tornado was observed in Hall County near the ghost town of Eli.				
Very high precipitable water values relative to the time of year were observed on nearby RAOBs. Furthermore, many of the storms were slow moving. Exacerbating the flooding were the very wet grounds from previous days precipitation. A NWS cooperative weather observer's home near Littlefield flooded on both the 24th and 25th due to torrential rainfall. The supercell storm that produced a tornado near Plainview also developed major flooding in and around Plainview.				

Storm Data and Unusual Weather Phenomena - May 2019

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



Tornado damage of an overturned center pivot irrigation system. Photograph taken by the NWS storm survey.

BAILEY COUNTY --- 7.3 W PROGRESS [34.27, -102.95], 6.6 WNW PROGRESS [34.31, -102.93]

05/26/19 20:11 CST	50K	Tornado (EF0, L: 3.20 mi , W: 50 yd)
05/26/19 20:19 CST	0	Source: NWS Storm Survey

Law enforcement initially reported a tornado near the town of Lariat. Broadcast media relayed a picture of a funnel cloud near the same time and location of the previous report. A NWS storm survey revealed that this tornado began in northern Bailey County along County Road 54 between Farm to Market Road 3125 and County Road 1038. This tornado went to the north-northeast to overturn a center pivot irrigation system before crossing into Parmer County and turning to the north-northwest.

PARMER COUNTY --- 1.3 SSW LARIAT [34.31, -102.93], 1.5 WNW LARIAT [34.33, -102.95]

05/26/19 20:19 CST	0	Tornado (EF0, L: 1.76 mi , W: 50 yd)
05/26/19 20:25 CST	0	Source: NWS Storm Survey

Law enforcement initially reported a tornado near the town of Lariat. Broadcast media relayed a picture of a funnel cloud near the same time and location of the previous report. An NWS storm survey revealed that this tornado began in northern Bailey County along County Road 54 between Farm to Market Road 3125 and County Road 1038. This tornado went to the north-northeast to overturn a center pivot irrigation system before crossing into Parmer County and turning to the north-northwest.

LAMB COUNTY --- 7.0 W EARTH [34.23, -102.52], 5.0 N EARTH [34.30, -102.41]

Storm Data and Unusual Weather Phenomena - May 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/26/19 20:56 CST		0.15M	Tornado (EF2, L: 8.03 mi , W: 100 yd)
	05/26/19 21:12 CST		0	Source: NWS Storm Survey

A NWS storm survey revealed tornado damage in several locations in Lamb County. The first noted damage was just south of the intersection of US Highway 70 and Farm to Market Road 303. At this location, EF0 damage was observed with two center pivot irrigation systems tipped over. Also, large tree branches of diameter one to three inches were broken. The most significant damage was discovered just north of the intersection of US Highway 70 and County Road 99. An electrical transmission line was snapped at the base which indicates EF2 damage.

CASTRO COUNTY --- 2.6 NNW SUNNYSIDE [34.39, -102.31], 5.2 S NAZARETH [34.48, -102.11]

	05/26/19 21:26 CST		0.10M	Tornado (EF0, L: 12.83 mi , W: 100 yd)
	05/26/19 21:52 CST		0	Source: NWS Storm Survey

A NWS storm survey revealed that an EF0 tornado affected a portion of Castro County. The tornado was first reported just northwest of the intersection of US Highway 385 and Farm to Market Road 145. The tornado then moved northeast flipping two center irrigation pivot systems near the intersection of County Road 624 and County Road 516. Although no additional damage was found, the tornado was observed crossing Farm to Market Road 194 between Hart and Dimmitt.

Another consecutive active weather day occurred in West Texas on the evening of the 26th. An upper level low pressure system continued to remain nearly stationary in central California while a short wave trough moved over West Texas. Extensive high level cloud cover inhibited convection during the afternoon and early evening despite ample instability and moisture. Supercell thunderstorms initially developed in eastern New Mexico early in the evening when this high level cloud cover has dissipated. This thunderstorm activity then crossed into the extreme southwestern Texas Panhandle after 2000 CST. Two supercells ultimately produced a total of three tornadoes.

The first tornado developed in Bailey County moving north-northeast and then north-northwest into Parmer County near Lariat (Parmer County). This tornado overturned a center pivot irrigation system in Bailey County indicating an EF0 rating. The next two tornadoes came from one supercell that had a history of producing long track tornadoes in Roosevelt County in eastern New Mexico. The first tornado in Texas began in Lamb County near the intersection of US Highway 70 and Farm to Market Road 303. EF0 damage was initially produced by this tornado at the starting location. The tornado then moved to the northeast producing EF2 damage indicated by a snapped electrical transmission pole. This first tornado then dissipated around four miles north of Earth (Lamb County). A second tornado formed in Castro County near the intersection of Farm to Market Road 145 and US Highway 385. EF0 damage was discovered northeast of this location with a couple of center pivot irrigation systems flipped over. The tornado continued to the northeast crossing Farm to Market Road 194 and dissipating shortly thereafter.

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
				

An electrical transmission pole was snapped at the base by an EF2 tornado. Photograph taken by a NWS storm survey team.