

Storm Data and Unusual Weather Phenomena - May 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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TEXAS, South Panhandle

CHILDRESS COUNTY --- 9.1 W LOCO [34.72, -100.31], 5.0 NNW LONNIE [34.65, -100.19]

	05/07/20 16:24 CST	0	Hail (3.25 in)
	05/07/20 16:49 CST	0	Source: Trained Spotter

The hailstorm that began in northeastern Hall County continued to track east-southeast across far northern Childress County, with hailstones larger than teacups at times. However, the majority of the severe hail reports were generally tennis ball size or smaller. No damage information was available.

A lone supercell thunderstorm erupted late Thursday afternoon southwest of Memphis (Hall County) and tracked steadily eastward across northern Childress County. While doing so, it shed another storm that moved northeastward into southwest Oklahoma. Very strong instability and moderate wind shear allowed the storms to quickly become severe and start rotating in the middle levels of the atmosphere. The result was that the storms generated giant hail to 3.25 inches in diameter and brief heavy rainfall.

(TX-Z021) PARMER, (TX-Z022) CASTRO, (TX-Z023) SWISHER, (TX-Z024) BRISCOE, (TX-Z025) HALL, (TX-Z028) LAMB, (TX-Z029) HALE, (TX-Z033) COCHRAN, (TX-Z035) LUBBOCK, (TX-Z036) CROSBY, (TX-Z037) DICKENS

	05/07/20 22:20 CST	0	High Wind (MAX 59 kt)
	05/08/20 23:30 CST	0	

A strong cold front moved through the area from late on the seventh into the early morning hours of the eighth. This brought extreme pressure rises behind the cold front which caused widespread severe winds from the extreme southern Texas Panhandle into the central South Plains and portions of the Rolling Plains.

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

- 68 mph at White River Lake (Crosby County),
- 64 mph at Olton (Lamb County),
- 63 mph at Tullia (Swisher County),
- 63 mph at Silvertown (Briscoe County),
- 63 mph at Plainview and Aiken (Hale County),
- 60 mph at Dimmitt (Castro County),
- 60 mph at Lesley (Hall County),
- 60 mph at Reese Center (Lubbock County), and
- 59 mph at McAdoo (Dickens County).

Additionally, the Texas Tech University West Texas mesonet sites below recorded sustained winds at or greater than 40 mph for at least one hour:

- 43 mph at Morton (Cochran County) and 42 mph at Friona (Parmer County).

COCHRAN COUNTY --- 1.0 ENE MORTON [33.73, -102.75]

	05/11/20 18:55 CST	0	Thunderstorm Wind (MG 51 kt)
	05/11/20 18:55 CST	0	Source: Mesonet

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

HOCKLEY COUNTY --- 0.4 N OKLAHOMA FLAT [33.79, -102.40]

	05/11/20 19:03 CST	0	Hail (0.75 in)
	05/11/20 19:03 CST	0	Source: Trained Spotter

BRISCOE COUNTY --- 15.0 NNW SILVERTON [34.66, -101.44]

	05/11/20 19:25 CST	0	Hail (1.00 in)
	05/11/20 19:25 CST	0	Source: Broadcast Media

Local broadcast media relayed a report of quarter size hail east of Vigo Park in Briscoe County.

HOCKLEY COUNTY --- 3.0 S ANTON [33.78, -102.17]

	05/11/20 19:27 CST	0	Funnel Cloud
	05/11/20 19:27 CST	0	Source: Trained Spotter

Several funnel clouds were reported just south of Anton.

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HOCKLEY COUNTY --- 1.0 N LEVELLAND [33.59, -102.37]				
	05/11/20 19:30 CST		0	Hail (1.75 in)
	05/11/20 19:30 CST		0	Source: Law Enforcement
The Hockley County Sheriff's Office reported golf ball size hail in Levelland. No damage was reported.				
LUBBOCK COUNTY --- WOODROW [33.45, -101.82], 2.5 SE SLIDE [33.39, -101.87]				
	05/11/20 20:30 CST		0	Thunderstorm Wind (EG 61 kt)
	05/11/20 20:30 CST		0	Source: Broadcast Media
Social media posts depicted minor thunderstorm wind damage around Woodrow to near New Home in Lynn County.				
LYNN COUNTY --- NEW HOME [33.32, -101.92], 5.8 NNE NEW HOME [33.39, -101.87]				
	05/11/20 20:30 CST		0	Thunderstorm Wind (EG 61 kt)
	05/11/20 20:30 CST		0	Source: Broadcast Media
Social media posts depicted minor thunderstorm wind damage around Woodrow to near New Home in Lynn County.				
A short wave trough approaching the area on the afternoon of the 11th combined with a moderately unstable atmosphere to produce scattered severe thunderstorms on the South Plains. The strongest storms began near the Texas/New Mexico state line and moved east-southeastward producing severe hail and destructive winds. Up to golf ball size hail was reported in Hockley County. As the cluster of thunderstorms moved over southern Lubbock County, a re-intensification occurred and produced storm damage from Woodrow (Lubbock County) to New Home (Lynn County). Based on the damage, wind gusts were estimated at 70 mph.				
(TX-Z042) GARZA				
	05/13/20 11:15 CST		0	High Wind (MAX 56 kt)
	05/13/20 11:20 CST		0	
LUBBOCK COUNTY --- 4.0 SE SHALLOWATER [33.64, -101.93]				
	05/13/20 14:56 CST		0	Hail (0.88 in)
	05/13/20 14:56 CST		0	Source: Public
HOCKLEY COUNTY --- 2.0 NW SMYER [33.60, -102.19]				
	05/13/20 15:52 CST		0	Hail (1.00 in)
	05/13/20 15:52 CST		0	Source: Public
A report of quarter size hail was received about two miles northwest of Smyer.				
HOCKLEY COUNTY --- 2.0 N WHITHARRAL [33.76, -102.33]				
	05/13/20 17:45 CST		0	Thunderstorm Wind (EG 61 kt)
	05/13/20 17:45 CST		0	Source: Trained Spotter
A trained weather spotter estimated a wind gust to 70 mph north of Whitharral along US Highway 385.				
CHILDRESS COUNTY --- 3.2 S ARLIE [34.67, -100.08]				
	05/13/20 17:58 CST		0	Hail (1.00 in)
	05/13/20 17:58 CST		0	Source: Trained Spotter
A trained weather spotter estimated quarter size hail along US Highway 62 in northeastern Childress County.				
HALE COUNTY --- 1.7 SSW ALLEY [33.88, -101.84]				
	05/13/20 18:00 CST		0	Hail (1.00 in)
	05/13/20 18:00 CST		0	Source: Public
Quarter size hail was measured by a member of the public about three miles north of Abernathy.				
LUBBOCK COUNTY --- REESE VLG [33.60, -102.02]				
	05/13/20 18:02 CST		0	Hail (0.88 in)
	05/13/20 18:02 CST		0	Source: Social Media

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LUBBOCK COUNTY --- 8.0 SW LUBBOCK [33.50, -101.95]				
	05/13/20 18:16 CST	0		Hail (1.50 in)
	05/13/20 18:16 CST	0		Source: NWS Employee
Numerous reports were received of hail ranging in size from quarters to ping pong balls in the southwestern portion of the city of Lubbock.				
LYNN COUNTY --- 2.5 N GRASSLAND [33.17, -101.61]				
	05/13/20 18:17 CST	0		Hail (1.50 in)
	05/13/20 18:17 CST	0		Source: Public
A report was received of ping ping ball size hail about ten miles east of Tahoka along US Highway 380.				
COTTLE COUNTY --- 4.0 WSW PADUCAH [34.00, -100.36]				
	05/13/20 18:22 CST	0		Hail (1.00 in)
	05/13/20 18:22 CST	0		Source: Public
A report was received of quarter size hail about four miles west-southwest of Paducah.				
LYNN COUNTY --- WILSON [33.32, -101.73]				
	05/13/20 18:35 CST	0		Hail (1.00 in)
	05/13/20 18:35 CST	0		Source: Public
A report from the public was received of quarter size hail in Wilson.				
GARZA COUNTY --- 5.4 SSW GRAHAM CHAPEL [33.08, -101.52]				
	05/13/20 19:10 CST	0		Thunderstorm Wind (MG 61 kt)
	05/13/20 19:20 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Graham measured severe wind gusts from 1910 CST through 1920 CST. The peak wind gust measured was 70 mph.				
KING COUNTY --- 13.8 SSE GUTHRIE [33.43, -100.27]				
	05/13/20 20:50 CST	0		Hail (0.75 in)
	05/13/20 20:50 CST	0		Source: Trained Spotter
A very moist and unstable atmosphere developed on the 13th ahead of an approaching upper level short wave. Virga showers had developed out ahead of this upper level feature during the morning and early afternoon. This caused a severe wind gust to 65 mph from a heat burst at the Texas Tech University West Texas mesonet site near Graham (Garza County). When thunderstorms developed in the late afternoon, the initial activity was somewhat disorganized. But these initial storms were intense enough to produce pockets of hail as large as ping pong ball size. Eventually the scattered thunderstorms amalgamated into a line and accelerated eastward through the Rolling Plains and into western North Texas during the late evening hours. Several reports of small hail, strong to severe wind gusts and very heavy rainfall were received as the line moved through.				
LYNN COUNTY --- 7.5 E WILSON [33.30, -101.60]				
	05/15/20 14:45 CST	0		Hail (0.75 in)
	05/15/20 14:45 CST	0		Source: Public
HALL COUNTY --- TURKEY [34.40, -100.88]				
	05/15/20 14:47 CST	0		Hail (0.75 in)
	05/15/20 14:47 CST	0		Source: Public
KENT COUNTY --- 12.3 WNW CLAIREMONT [33.27, -100.93]				
	05/15/20 15:19 CST	0		Hail (1.00 in)
	05/15/20 15:19 CST	0		Source: Public
A report was received via mPING of quarter size hail near the intersection of Farm to Market Roads 2320 and 1081.				
KENT COUNTY --- 1.0 SSE JAYTON [33.24, -100.57]				
	05/15/20 15:45 CST	0		Thunderstorm Wind (MG 52 kt)
	05/15/20 15:45 CST	0		Source: Mesonet

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A Texas Tech University West Texas mesonet site near Jayton measured a wind gust to 60 mph.				
CROSBY COUNTY --- 6.1 SE CROSBYTON MUNI ARPT [33.55, -101.16]				
	05/15/20 16:10 CST		0	Thunderstorm Wind (MG 51 kt)
	05/15/20 16:10 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near White River Lake measured a wind gust to 59 mph.				
MOTLEY COUNTY --- 4.0 NE FLOMOT [34.26, -100.93]				
	05/15/20 16:28 CST		0	Hail (1.50 in)
	05/15/20 16:28 CST		0	Source: COOP Observer
An NWS cooperative weather observer four miles northeast of Flomot measured ping pong ball size hail.				
COTTLE COUNTY --- 3.0 NNW CEE VEE [34.26, -100.47]				
	05/15/20 16:32 CST		0	Hail (1.00 in)
	05/15/20 16:32 CST		0	Source: Public
A report was received via mPING of quarter size hail about three miles north-northwest of Cee Vee.				
DICKENS COUNTY --- 3.0 NNW MC ADOO [33.77, -101.00]				
	05/15/20 16:39 CST		0	Thunderstorm Wind (MG 51 kt)
	05/15/20 16:47 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near McAdoo measured a peak wind gust of 59 mph between 1639 CST and 1647 CST.				
CHILDRESS COUNTY --- 3.1 SSE KIRKLAND [34.34, -100.06]				
	05/15/20 16:46 CST		6K	Thunderstorm Wind (EG 52 kt)
	05/15/20 16:46 CST		0	Source: Social Media
A picture posted to social media showed two power poles snapped by straight line winds south of Kirkland.				
CHILDRESS COUNTY --- CHILDRESS [34.42, -100.20], 2.0 NNE CHILDRESS [34.45, -100.19]				
	05/15/20 16:55 CST		0	Thunderstorm Wind (MG 56 kt)
	05/15/20 17:03 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Childress measured a peak wind gust of 64 mph between 1655 CST and 1703 CST. Additionally, a church steeple was blown over in the city of Childress.				
MOTLEY COUNTY --- 3.0 N ROARING SPGS [33.94, -100.85]				
	05/15/20 17:00 CST		0	Thunderstorm Wind (MG 55 kt)
	05/15/20 17:16 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Roaring Springs measured a peak wind gust of 63 mph between 1700 CST and 1716 CST.				
CHILDRESS COUNTY --- 1.0 W KIRKLAND [34.38, -100.09]				
	05/15/20 17:02 CST		0	Hail (2.00 in)
	05/15/20 17:02 CST		0	Source: COOP Observer
An NWS cooperative weather observer estimated hen egg sized hail which subsequently destroyed his winter wheat crop.				
CHILDRESS COUNTY --- 3.0 ESE KIRKLAND [34.36, -100.02]				
	05/15/20 17:19 CST		0	Hail (1.25 in)
	05/15/20 17:19 CST		0	Source: Public
A report was received via mPING of half dollar size hail east of Kirkland.				
(TX-Z035) LUBBOCK				
	05/15/20 17:36 CST		0	High Wind (MAX 54 kt)
	05/15/20 17:43 CST		0	

A very moist and unstable airmass developed ahead of a dryline and cold front intersection on the South Plains. Very strong instability

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allowed the developing storms to quickly become severe, producing hail and damaging winds. After thunderstorms had passed to the east of the region, weak virga showers developed in the wake. One of these virga showers produced a wind gust to 63 mph at Reese Center (Lubbock County) measured by the Texas Tech University West Texas mesonet.

LUBBOCK COUNTY --- 2.2 NNW SHALLOWATER ARPT [33.71, -102.02], 7.2 WNW CALDWELL [33.82, -102.03]

05/19/20 18:50 CST	0	Hail (1.75 in)
05/19/20 18:59 CST	0	Source: Broadcast Media

Local broadcast media reported hail up to golf ball size northwest of Shallowater along US Highway 84. No damage was reported.

HALE COUNTY --- HALE CENTER [34.07, -101.83]

05/19/20 19:35 CST	0	Hail (1.50 in)
05/19/20 19:35 CST	0	Source: Broadcast Media

Local broadcast media reported hail up to ping pong ball size in Hale Center.

(TX-Z030) FLOYD

05/19/20 22:35 CST	0	High Wind (MAX 55 kt)
05/19/20 22:35 CST	0	

Despite a deeply mixed boundary layer on the South Plains on the west side of a quasi-stationary front, thunderstorms were able to develop and quickly become severe. Although cloud bases were relatively high, no high wind reports were observed with only hail up to the size of golf balls. After thunderstorms had moved into the Rolling Plains by late evening, stratiform precipitation developed over the eastern South Plains. This stratiform precipitation caused a wind gust to 63 mph from a heat burst at a Texas Tech University West Texas mesonet site near Floydada (Floyd County).

CASTRO COUNTY --- 5.2 WSW DIMMITT [34.53, -102.41], 4.0 WSW DIMMITT [34.53, -102.39]

05/20/20 15:50 CST	0	Hail (1.50 in)
05/20/20 15:58 CST	0	Source: Trained Spotter

A couple of reports were received of hail up to ping pong ball size along Texas Highway 86 west of Dimmitt.

GARZA COUNTY --- 3.0 NW POST [33.21, -101.42], 4.8 N POST [33.25, -101.39]

05/20/20 17:00 CST	0	Hail (2.50 in)
05/20/20 17:10 CST	0	Source: Law Enforcement

A swath of tennis ball size hail was observed from about three miles northwest of Post to about five miles north of Post. No damage was reported.

CASTRO COUNTY --- 1.2 N ROSS [34.44, -102.18]

05/20/20 17:40 CST	0	Hail (1.00 in)
05/20/20 17:40 CST	0	Source: Public

A public report was received of quarter size hail between Hart and Dimmitt along Texas Highway 194.

LUBBOCK COUNTY --- 3.0 NW WOODROW [33.48, -101.86], (LBB)LUBBOCK INTL AR [33.67, -101.82]

05/20/20 17:46 CST	0.10B	Hail (3.00 in)
05/20/20 18:19 CST	0	Source: NWS Employee

A thunderstorm developed along an outflow boundary in Lynn County and rapidly grew into a severe supercell thunderstorm as it moved northward toward the city of Lubbock. This storm quickly began to rotate anticyclonically as it moved into the southern portion of Lubbock County. As the storm entered the southern portion of the city of Lubbock numerous reports were initially received of hail up to baseball size. The largest hail stone reported was three inches in diameter. The storm continued to move northward through the central part of the city producing hail up to tennis ball size. The swath of giant hail ended around Lubbock Preston Smith International Airport at 1819 CST. While this initial storm was affecting the central portion of the city, a second severe thunderstorm developed over Wolfforth and moved to the northeast. This storm produced hail up to two inches in diameter from just east of Wolfforth to Texas Tech University. In the aftermath, numerous vehicles and roofs on homes were damaged, primarily from the initial thunderstorm that moved through the central part of Lubbock. Total losses were estimated at over \$100 million.

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

05/20/20 18:33 CST	0	Hail (1.25 in)
05/20/20 18:33 CST	0	Source: Public

A report from the public was received of half dollar size hail in Abernathy. This was from the same thunderstorm that produced three inch diameter hail in Lubbock.

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HOCKLEY COUNTY --- ROUNDUP [33.77, -102.10]				
	05/20/20 18:48 CST		0	Hail (1.25 in)
	05/20/20 18:48 CST		0	Source: Public

A public report was received of half dollar size hail in Roundup.

HALE COUNTY --- 10.0 S PLAINVIEW [34.06, -101.70]				
	05/20/20 19:02 CST		0	Hail (1.00 in)
	05/20/20 19:02 CST		0	Source: Public

A report was received of quarter size hail approximately ten miles south of Plainview.

HALE COUNTY --- 4.3 SE SETH WARD [34.18, -101.63]				
	05/20/20 19:30 CST		0	Hail (1.50 in)
	05/20/20 19:30 CST		0	Source: Public

A report was received of ping pong ball size hail along US Highway 70 east of Plainview.

HALL COUNTY --- 3.0 S ESTELLINE [34.51, -100.43]				
	05/20/20 21:11 CST		0	Hail (1.00 in)
	05/20/20 21:11 CST		0	Source: Emergency Manager

A county official measured quarter size hail three miles south of Estelline.

Severe thunderstorms erupted for a second straight day across the South Plains. A large upper level low over the western United States allowed for low level moisture to remain in the region under low level southeasterly flow. A weak short wave moved out of central New Mexico into West Texas during the afternoon hours which aided in convective development along a dryline. Two general areas of convection matured into severe thunderstorms: one in the southwestern Texas Panhandle and another in the southern South Plains into the Permian Basin. Although there was no initial development in the central South Plains, this area saw the largest hail of the afternoon. Storms across the extreme southwestern Texas Panhandle generally produced hail up to ping pong ball size. At the same time, a severe thunderstorm near Post (Garza County) produced hail up to tennis ball size. The initial thunderstorms in the southern South Plains generated an outflow boundary that surged northward lifting very unstable air. Multi cellular thunderstorms developed along this outflow boundary in Lynn County but quickly moved northward into Lubbock County. One of these storms took on a anticyclonic circulation as it moved into southern Lubbock County. This storm would go on to produce a widespread swath of hail with sizes generally between hen eggs and tennis balls. The largest hailstone observed was three inches in diameter around the intersection of Quaker Ave. and 114th Street. The swath of giant hail began on the south side of the city of Lubbock (Lubbock County) and ended around Lubbock Preston Smith International Airport (Lubbock County). One of the other thunderstorms that developed on the outflow boundary also produced severe hail at the same time over the western portion of Lubbock County. This swath of hail was observed from just east of Wolfforth (Lubbock County) to Texas Tech University (Lubbock County) and consisted of hail mostly around golf ball size. Total damages in Lubbock County were estimated at \$100 million due to substantial and widespread roof and vehicle damage.

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A size comparison of 2.5 inch hail to a rubber ducky near Post. Photograph taken by Brett Adair.

STONEWALL COUNTY --- ASPERMONT [33.15, -100.23]

05/21/20 17:43 CST	0	Hail (1.75 in)
05/21/20 18:00 CST	0	Source: Law Enforcement

Reports were received from both law enforcement and a storm chaser in Stonewall County of hail ranging from half dollar to golf ball size.

On the afternoon of the 22nd, thunderstorms developed across the Big Country of Texas into the southern Rolling Plains in the vicinity of an intersection of a dryline and a remnant outflow boundary. Ample instability allowed thunderstorms to quickly become severe producing hail up to golf ball size in Aspermont (Stonewall County).

LYNN COUNTY --- 9.7 ENE WILSON [33.36, -101.57]

05/23/20 15:41 CST	0	Hail (1.00 in)
05/23/20 15:41 CST	0	Source: Public

A report was received via mPING of quarter size hail just west of Southland on the west side of the Lynn County line.

LUBBOCK COUNTY --- 1.0 WNW SLATON [33.44, -101.67], 3.9 N POSEY [33.54, -101.71]

05/23/20 16:05 CST	0	Hail (1.75 in)
05/23/20 16:05 CST	0	Source: Trained Spotter

Scattered severe thunderstorms developed across Lubbock County on an outflow boundary. The first of these storms produced hail up to golf ball size from near Slaton to Buffalo Springs Lake at 1605 CST.

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LUBBOCK COUNTY --- 4.0 WNW LUBBOCK AIRPARK [33.50, -101.88], 0.3 S (LBB)LUBBOCK INTL AR [33.67, -101.82]				
	05/23/20 16:06 CST		0	Thunderstorm Wind (MG 54 kt)
	05/23/20 16:18 CST		0	Source: ASOS
<p>Scattered severe thunderstorms developed across Lubbock County on an outflow boundary. One of these storms produced a swath of severe winds from 1606 CST beginning at KCBD-TV studios. The swath of severe winds ended at the ASOS at Lubbock Preston Smith International Airport at 1618 CST. The initial wind gust at KCBD-TV was recorded at 62 mph while the ASOS recorded a 61 mph wind gust. Furthermore, the Lubbock County Sheriff's Office reported several power poles down along 98th Street from Indiana Avenue to US Highway 84 south of the initial wind report at KCBD-TV. The contract weather observer at Lubbock Preston Smith International Airport reported quarter size hail at the same time of the severe wind gust.</p>				
GARZA COUNTY --- 5.4 SSW GRAHAM CHAPEL [33.08, -101.52]				
	05/23/20 16:25 CST		0	Thunderstorm Wind (MG 51 kt)
	05/23/20 16:25 CST		0	Source: Mesonet
<p>A Texas Tech University West Texas mesonet site near Graham measured a wind gust to 59 mph.</p>				
LUBBOCK COUNTY --- 3.5 ENE WOLFFORTH [33.51, -101.96], 0.1 W DOUD [33.57, -101.93]				
	05/23/20 16:34 CST		0	Hail (2.00 in)
	05/23/20 16:48 CST		0	Source: NWS Employee
<p>Scattered severe thunderstorms developed across Lubbock County on an outflow boundary. One of these thunderstorms produced severe hail on the western side of the city of Lubbock. Numerous reports were received of hail up to golf ball size from the southwestern portion of Lubbock through the western side of Lubbock. Hail up to two inches in diameter was reported in Woodrow. No damage was reported.</p>				
HALE COUNTY --- 8.7 SE SETH WARD [34.13, -101.57]				
	05/23/20 16:42 CST		0	Thunderstorm Wind (MG 52 kt)
	05/23/20 16:46 CST		0	Source: Mesonet
<p>A Texas Tech University West Texas mesonet site near Aiken measured a wind gust to 60 mph at 1642 CST and then 59 mph at 1646 CST.</p>				
GARZA COUNTY --- 11.8 S GRAHAM CHAPEL [32.98, -101.46], 7.8 WSW JUSTICEBURG [32.97, -101.31], 2.0 E POST [33.18, -101.34], 2.5 SSW CLOSE CITY [33.17, -101.52]				
	05/23/20 17:00 CST		0	Flash Flood (due to Heavy Rain)
	05/23/20 19:00 CST		0	Source: Law Enforcement
<p>A supercell thunderstorm became anchored over southwestern Garza County for several hours. Heavy rains fell for an extended period of time which contributed to flash flooding over mostly rural areas of Garza County. Law enforcement reported that a portion of Farm to Market Road 669 south of Post was washed out. Additionally, water was running over US Highway 84 just southeast of Post.</p>				
HALE COUNTY --- PLAINVIEW [34.20, -101.70]				
	05/23/20 17:09 CST		0	Hail (1.00 in)
	05/23/20 17:09 CST		0	Source: Social Media
<p>A report was received via social media of quarter size hail in Plainview.</p>				
LYNN COUNTY --- NEW HOME [33.32, -101.92]				
	05/23/20 17:10 CST		0	Hail (1.00 in)
	05/23/20 17:10 CST		0	Source: Trained Spotter
<p>A spotter observed hail on the ground up to quarter size while driving through New Home. The time of the hail was estimated from radar data.</p>				
GARZA COUNTY --- 10.7 S GRAHAM CHAPEL [32.99, -101.46], 10.5 S GRAHAM CHAPEL [33.00, -101.46]				
	05/23/20 17:14 CST		0	Tornado (EFU, L: 0.38 mi , W: 30 yd)
	05/23/20 17:25 CST		0	Source: Social Media
<p>A supercell thunderstorm became anchored over southwestern Garza County for a few hours. During the lifespan of this supercell, it produced a tornado which was widely captured by storm chasers. The time of the tornado reported by storm chasers was distinctly correlated with the strongest low level rotation from KLBB WSR-88D radar imagery. This tornado remained out over open land in southwestern Garza County between Farm to Market Road 669 and the edge of the caprock. Because of this, any damage was inaccessible due to lack of roads and therefore an EF-U rating was assigned.</p>				
LUBBOCK COUNTY --- WOLFFORTH [33.50, -102.02]				

Storm Data and Unusual Weather Phenomena - May 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/23/20 17:19 CST		0	Hail (1.50 in)
	05/23/20 17:19 CST		0	Source: Social Media

Scattered severe thunderstorms developed across Lubbock County on an outflow boundary. One of these storms produced hail up to ping pong ball size in Wolfforth.

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

05/23/20 17:22 CST	0	Hail (3.25 in)
05/23/20 17:23 CST	0	Source: Social Media

Several reports were received from social media and storm spotters of very large hail in Silverton. The largest hail size was estimated at 3.25 inches in diameter. Numerous vehicles were damaged by the hail.

SWISHER COUNTY --- 2.0 ENE TULIA [34.54, -101.74]

05/23/20 17:30 CST	0	Thunderstorm Wind (MG 52 kt)
05/23/20 17:30 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Tulia measured a wind gust to 60 mph.

(TX-Z024) BRISCOE, (TX-Z026) CHILDRESS

05/23/20 18:24 CST	0	High Wind (MAX 50 kt)
05/23/20 19:35 CST	0	

KENT COUNTY --- 1.0 SSE JAYTON [33.24, -100.57]

05/23/20 19:25 CST	0	Thunderstorm Wind (MG 56 kt)
05/23/20 19:25 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Jayton measured a wind gust to 64 mph.

Widespread supercell thunderstorms developed across the South Plains on the afternoon and evening of the 23rd producing very large hail, a tornado, and flash flooding.

From the night of the 22nd through the morning of the 23rd, a dryline surged westward allowing abundant low level moisture to return to the region. This dryline mixed to the east during the afternoon stalling around US Highway 385. A capping inversion initially kept convective initiation from occurring until late in the afternoon under a very unstable atmosphere with CAPE values in excess of 4000 J/kg. Initially, the most intense thunderstorm developed and became anchored over southwestern Garza County. This supercell exhibited strong rotation at low and mid levels of the storm. Several storm chasers observed a tornado over open land that lasted for about 11 minutes. Because of the very slow storm motion of this thunderstorm, the tornado was nearly stationary for its entire lifetime. A lack of roads in the path of the tornado prevented a storm survey from being completed, thus this tornado could not be rated. Heavy rain fell over an extended period of time in Garza County due to the storm's nearly stationary movement. As a result, a portion of Farm to Market road 669 south of Post was washed out.

The thunderstorms that developed in the southeastern South Plains generated a strong outflow boundary which then moved through the central South Plains. This outflow boundary caused scattered thunderstorms to grow over Lubbock County in which many of these became severe over multiple parts of the city of Lubbock. Hail up to two inches was reported in the city of Lubbock along with wind gusts up to 62 mph. This outflow boundary continued to move northward creating additional severe thunderstorms over the extreme south-central Texas Panhandle. One of these storms produced hail up to three inches in diameter in the city of Silverton (Briscoe County) leading to widespread damage to vehicles.

Trailing stratiform precipitation from decaying thunderstorms generated a couple of non-thunderstorm severe wind gusts. One of these occurred at Caprock Canyons State Park where a Texas Tech University West Texas mesonet site measured a wind gust to 58 mph. The other was at the Automated Surface Observing System at Childress Municipal Airport measuring a gust to 58 mph.

Storm Data and Unusual Weather Phenomena - May 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Tornado captured in southwestern Garza County. The image is courtesy of Josh Moore.

HOCKLEY COUNTY --- 4.0 E COBLE [33.60, -102.43]

05/24/20 16:10 CST	0			Thunderstorm Wind (EG 52 kt)
05/24/20 16:10 CST	0			Source: Public

A temporary office trailer was rolled a couple hundred feet and demolished from straight line winds.

HOCKLEY COUNTY --- 6.3 N BUSTERVILLE [33.51, -102.08]

05/24/20 17:06 CST	0			Hail (1.00 in)
05/24/20 17:06 CST	0			Source: Public

A report from the public was received of quarter size hail four miles west of Wolfforth.

LYNN COUNTY --- 5.3 W DRAW [33.03, -101.76], 3.5 WNW GRASSLAND [33.14, -101.66]

05/24/20 17:17 CST	0			Hail (1.50 in)
05/24/20 17:59 CST	0			Source: Public

A severe thunderstorm developed across northern Lynn County. This thunderstorm produced severe hail northwest of New Home. Numerous reports were received of hail up to one inch from the city of O'Donnell to four miles west of Grassland. Hail up to one and a half inches in diameter was reported near Grassland. No damage was reported.

LUBBOCK COUNTY --- 1.9 WSW SLIDE [33.41, -101.93], 2.1 SSE WOODROW [33.42, -101.81]

05/24/20 17:24 CST	0			Hail (1.75 in)
05/24/20 17:32 CST	0			Source: Trained Spotter

A severe thunderstorm moved across Lubbock County. This thunderstorm produced severe hail on the southern side of the city of Lubbock. Numerous reports were received of hail up to golf ball size across the southern portion of Lubbock. Hail up to one and a half inches in diameter was reported by a trained weather spotter. No damage was reported.

CROSBY COUNTY --- 7.1 SSE CROSBYTON MUNI ARPT [33.53, -101.17]

05/24/20 18:25 CST	0			Thunderstorm Wind (MG 54 kt)
05/24/20 18:25 CST	0			Source: Mesonet

Storm Data and Unusual Weather Phenomena - May 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A Texas Tech University West Texas mesonet site near White River Lake measured a severe wind gust of 62 mph.				
BRISCOE COUNTY --- 4.0 S SILVERTON [34.41, -101.30]				
	05/24/20 18:38 CST	0		Thunderstorm Wind (EG 52 kt)
	05/24/20 18:38 CST	0		Source: Public
A report from the public was received of power poles broken when a gust front went through the southern portions of the city of Silverton.				
KENT COUNTY --- JAYTON [33.25, -100.58]				
	05/24/20 18:42 CST	0		Hail (1.00 in)
	05/24/20 18:42 CST	0		Source: Public
A report from the public was received of one inch hail in Jayton.				
GARZA COUNTY --- 2.9 E GRAHAM CHAPEL [33.15, -101.42]				
	05/24/20 18:43 CST	0		Hail (1.00 in)
	05/24/20 18:43 CST	0		Source: Public
A report from the public was received of one inch hail three miles east of Graham.				
KING COUNTY --- 8.6 WSW GUTHRIE 6666 ARPT [33.57, -100.48]				
	05/24/20 19:20 CST	0		Thunderstorm Wind (MG 57 kt)
	05/24/20 19:25 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Guthrie measured severe wind gusts from 1920 CST through 1925 CST. The peak wind gust measured was 66 mph.				
(TX-Z025) HALL				
	05/24/20 22:55 CST	0		High Wind (MAX 56 kt)
	05/24/20 23:10 CST	0		

Severe thunderstorms erupted for a second straight day across the South Plains. A weak short wave moved out of central New Mexico into West Texas during the afternoon hours which aided in convective development along a dryline. Two general areas of convection matured into severe thunderstorms: one in the south central South Plains and another across the southeastern Texas Panhandle. Multi-cellular thunderstorms developed in Hockley County but quickly moved eastward into Lubbock and Lynn Counties. These storms produced mostly one inch sized hail, but hail as big as an inch and a half was reported by a weather spotter in the southern part of the city of Lubbock (Lubbock County). As the storms matured they began to form a line and produced more inch size hail in the central Rolling Plains as well as severe wind gusts near Guthrie (King County). A few reports of damage were reported including downed power poles in Briscoe County and a demolished office trailer in Hockley County. No injuries were reported.

Late that same day after storms has moved through the Southern Texas Panhandle, severe non-thunderstorm winds were recorded near the city of Lesley (Hall County). Severe non-thunderstorm severe wind gusts are listed below from the Texas Tech University West Texas mesonet:

65 mph at Lesley (Hall County) and 64 mph at Turkey (Hall County).