

## Storm Data and Unusual Weather Phenomena - May 2022

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

(TX-Z021) PARMER, (TX-Z022) CASTRO, (TX-Z023) SWISHER, (TX-Z024) BRISCOE, (TX-Z025) HALL, (TX-Z026) CHILDRESS, (TX-Z027) BAILEY, (TX-Z028) LAMB, (TX-Z029) HALE, (TX-Z030) FLOYD, (TX-Z031) MOTLEY, (TX-Z032) COTTLE, (TX-Z033) COCHRAN, (TX-Z034) HOCKLEY, (TX-Z035) LUBBOCK, (TX-Z036) CROSBY, (TX-Z037) DICKENS, (TX-Z038) KING, (TX-Z039) YOAKUM, (TX-Z040) TERRY, (TX-Z041) LYNN, (TX-Z042) GARZA, (TX-Z043) KENT, (TX-Z044) STONEWALL	05/01/22 00:00 CST		0	Drought
	05/31/22 22:59 CST		0	

The month of May saw significant improvements in drought conditions for some areas with little change or other areas. Areas across the southern South Plains and extreme southwestern Texas Panhandle mostly remained in exceptional (D4) drought conditions. The remainder of the area saw these significant improvements in drought conditions due to widespread rainfall. Much of the South Plains saw a two category reduction to severe (D2) drought while the Rolling Plains saw a one category reduction to extreme (D3) drought conditions.

Typically May weather was observed this year with numerous severe thunderstorm events with large hail, tornadoes, and heavy rainfall. The rainfall that came during May was the first significant precipitation in approximately nine months for the region. Several heavy rain events occurred during the month which is typically one of the wettest months on average. Areas that improved generally saw around 100 to 150 percent of normal precipitation. The areas which saw little to no reduction remained below 100 percent of normal. Outside of thunderstorms areas, winds were generally on the decrease which also resulted in a significant reduction in fire weather potential through the month. Also, contributing to the lower fire weather potential was a significant green-up of fuels.

#### YOAKUM COUNTY --- 12.6 E PLAINS [33.18, -102.61]

05/01/22 15:45 CST		0	Hail (1.75 in)
05/01/22 15:45 CST		0	Source: Public

A local co-op gin reported golf ball size hail. No damage was reported.

#### HOCKLEY COUNTY --- LEVELLAND [33.58, -102.37], 2.0 N LEVELLAND [33.61, -102.37]

05/01/22 16:30 CST		0	Hail (2.75 in)
05/01/22 16:35 CST		0	Source: Emergency Manager

Numerous reports were received of hail ranging from ping pong ball size to baseball size in and around Levelland. Extensive damage occurred in Levelland from this hail, primarily from shattered glass.

#### HOCKLEY COUNTY --- 2.3 SE WHITHARRAL [33.71, -102.30]

05/01/22 16:40 CST		0	Hail (1.50 in)
05/01/22 16:45 CST		0	Source: Social Media

A picture on social media showed hail ranging from quarter size to ping pong ball size to the southeast of Whitharral.

#### YOAKUM COUNTY --- 8.0 WNW DENVER CITY [33.01, -102.98], DENVER CITY [32.97, -102.85]

05/01/22 16:40 CST		0	Hail (2.75 in)
05/01/22 17:10 CST		0	Source: Trained Spotter

Several reports were received of a swath of hail from approximately eight miles west-northwest of Denver City to the city of Denver City. The largest hail reported was baseball size. No damage was reported.

#### LUBBOCK COUNTY --- 2.1 NNE WEST CARLISLE [33.61, -101.93]

05/01/22 16:45 CST		0	Hail (1.00 in)
05/01/22 16:45 CST		0	Source: Public

A member of the public sent a picture of quarter size hail at the intersection of Erskine Street and Dover Avenue in Lubbock.

#### BAILEY COUNTY --- 3.0 S MULESHOE [34.18, -102.73], 5.8 NNW MULESHOE WARREN ARPT [34.31, -102.72]

05/01/22 16:50 CST		0	Hail (2.50 in)
05/01/22 17:00 CST		0	Source: Storm Chaser

Numerous reports were received of a swath of hail from approximately three miles south of Muleshoe to the Parmer County line along Texas State Highway 214. The hail ranged in size from golf ball to tennis ball size. The hail swath continued into Parmer County. No damage was reported.

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<b>PARMER COUNTY --- 7.5 SW LAZBUDDIE [34.31, -102.72], 6.0 WSW LAZBUDDIE [34.35, -102.72]</b>				
	05/01/22 17:00 CST		0	Hail (2.25 in)
	05/01/22 17:03 CST		0	Source: Storm Chaser
A swath of very large hail continued into Parmer County along Texas State Highway 214. The largest hail size in the Parmer County swath section was slightly smaller than tennis ball size. No damage was reported.				
<b>PARMER COUNTY --- 2.0 NE FRIONA [34.65, -102.71]</b>				
	05/01/22 17:25 CST		0	Thunderstorm Wind (MG 54 kt)
	05/01/22 17:27 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Friona measured severe wind gusts from 1725 CST through 1727 CST. A peak gust of 63 mph was measured at 1726 CST.				
<b>HALE COUNTY --- 0.3 E (PVW)HALE CO ARPT [34.17, -101.71], 1.0 S PLAINVIEW [34.19, -101.70]</b>				
	05/01/22 17:46 CST		0	Thunderstorm Wind (MG 62 kt)
	05/01/22 17:48 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Plainview measured severe wind gusts from 1746 CST through 1748 CST. A peak gust of 71 mph was measured at 1747 CST. Furthermore, the AWOS at the Hale County Airport (KPVW) measured a wind gust of 61 mph at 1750 CST.				
<b>TERRY COUNTY --- 8.0 SW WELLMAN [32.97, -102.53], 4.6 SW FOSTER [33.02, -102.35]</b>				
	05/01/22 17:58 CST		0	Hail (2.50 in)
	05/01/22 18:26 CST		0	Source: Trained Spotter
Numerous reports were received of a swath of hail from southwestern Terry County along US Highway 62/385 approximately eight miles southwest of Wellman to approximately four miles east-southeast of Wellman along Farm to Market Road 213. Hail stones ranged in size from ping pong ball size up to tennis ball size. No damage was reported.				
<b>DICKENS COUNTY --- 3.0 NNW MC ADOO [33.77, -101.00]</b>				
	05/01/22 18:01 CST		0	Thunderstorm Wind (MG 59 kt)
	05/01/22 18:02 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near McAdoo measured severe wind gusts at 1701 and 1702 CST. A peak wind gust of 68 mph was measured at 1702 CST.				
<b>LYNN COUNTY --- 1.0 N O'DONNELL [32.98, -101.83], 4.6 ENE O'DONNELL [32.99, -101.75]</b>				
	05/01/22 19:55 CST		0	Hail (3.00 in)
	05/01/22 20:01 CST		0	Source: Trained Spotter
Several storm chasers reported a swath of hail from just north of O'Donnell to approximately five miles east-northeast of O'Donnell. The largest hail stone reported was three inches in diameter. No damage was reported.				
<b>Moisture quickly returned to West Texas during the day on the first ahead of an approaching upper level short wave. In response, scattered thunderstorms rapidly developed late Sunday afternoon. Relatively strong wind shear and moderate instability spurred several of the storms to rotate and produce very large hail. The configuration of the increasing and turning winds with height were right to favor splitting supercell storms. The left splits raced north-northeastward bringing brief heavy rain, large hail, and sporadic wind gusts. Golf ball to baseball size hail fell from the strongest of these northward-racing storms. Western portions of Levelland experienced extensive damage, primarily from shattered glass. The right splits moved slowly to the east, producing locally heavy rains. These storms also dropped huge hail with one greater than baseball size near O'Donnell (Lynn County).</b>				
<b>BRISCOE COUNTY --- 18.4 NNW SILVERTON [34.71, -101.44]</b>				
	05/04/22 14:14 CST		0	Hail (1.00 in)
	05/04/22 14:14 CST		0	Source: Storm Chaser
A storm chaser reported quarter size hail along Texas State Highway 207 in far northwestern Briscoe County.				
<b>FLOYD COUNTY --- 4.4 S DOUGHERTY [33.87, -101.07]</b>				
	05/04/22 16:04 CST		0	Hail (1.00 in)
	05/04/22 16:04 CST		0	Source: Storm Chaser
A storm chaser reported quarter size hail near the intersection of Farm to Market Roads 28 and 1958.				

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<b>DICKENS COUNTY --- 1.1 WNW AFTON [33.76, -100.82], 1.6 N AFTON [33.77, -100.79]</b>				
	05/04/22 16:15 CST		0	Hail (2.50 in)
	05/04/22 16:22 CST		0	Source: Trained Spotter

Several reports were received of hail up to tennis ball size in and around Afton. No damage was reported.

<b>MOTLEY COUNTY --- 1.8 S WHITEFLAT [34.07, -100.88]</b>				
	05/04/22 16:30 CST		0	Hail (1.00 in)
	05/04/22 16:30 CST		0	Source: Public

Quarter size hail was reported south of Whiteflat along Texas Highway 70.

<b>DICKENS COUNTY --- 12.6 ENE AFTON [33.81, -100.59], 16.3 ENE AFTON [33.83, -100.53]</b>				
	05/04/22 16:52 CST		0	Tornado (EFU, L: 3.71 mi , W: 30 yd)
	05/04/22 17:02 CST		0	Source: NWS Storm Survey

Multiple chaser reports were received, including a video of a small tornado, in far northeastern Dickens County. An NWS storm survey revealed no known damage.

<b>COTTLE COUNTY --- 10.2 S NARCISSO [33.85, -100.48], 6.2 W CHALK [33.89, -100.33]</b>				
	05/04/22 17:00 CST		0	Hail (2.50 in)
	05/04/22 17:25 CST		0	Source: Storm Chaser

Many reports were received of a swath of hail from far southwestern Cottle County to US Highway 83 south of Paducah. The hail stones ranged in size from quarters to tennis ball size. No damage was reported.

<b>KING COUNTY --- 0.7 WSW GROW [33.81, -100.33], 7.8 E GROW [33.80, -100.18]</b>				
	05/04/22 17:34 CST		0	Tornado (EFU, L: 8.36 mi , W: 100 yd)
	05/04/22 17:46 CST		0	Source: NWS Storm Survey

Numerous storm chasers documented a tornado that began near the intersection of US Highway 83 and Farm to Market Road 1168. The tornado moved roughly east-southeast remaining close to Farm to Market Road 1168 and 3416 for about five miles before turning east and crossing County Road 204. An NWS storm survey revealed no known damage.

<b>KING COUNTY --- 10.8 E GROW [33.80, -100.13], 17.5 E GROW [33.84, -100.02]</b>				
	05/04/22 18:00 CST		0	Tornado (EFU, L: 7.04 mi , W: 50 yd)
	05/04/22 18:15 CST		0	Source: NWS Storm Survey

An NWS storm survey revealed no known damage from this tornado which was documented by several storm chasers. The tornado moved over rangeland in northeastern King County before crossing into Foard County.

The afternoon and evening of the fourth brought active weather, including a cyclic tornadic thunderstorm that affected portions of the Rolling Plains. The severe weather was triggered by a dryline, in combination with a strong storm system approaching from the Great Basin into the central Rockies. Initially, isolated storm development occurred over the southwest and south-central Texas Panhandle Wednesday afternoon. These storms quickly became strong to severe, and dropped hail from quarter to ping pong ball sized. Greater intensity storms formed a bit later in the afternoon, erupting ahead of a dryline surge over the west-central Rolling Plains. Strong instability and wind shear caused the more intense storms to start rotating, with the cyclonically rotating storms moving slowly eastward and the anticyclonically rotating storms racing north-northeastward. The most intense storm of the day formed east of Crosbyton (Crosby County), moved northeastward to near Afton (Dickens County), then more directly eastward near Dumont (King County) and Grow (King County). The tornado then moved across rural parts of northeast King County and southeast Cottle County. As it did so, the storm generated baseball to softball size hail and a few tornadoes. The first tornado report of the day came in from west of Dumont, where a dusty circulation took shape under a rotating wall cloud. This tornado was well documented by storm chasers, but inflicted no known damage as it remained over open country. The next tornado formed roughly a half hour later near Grow. This tornado persisted around 15 minutes, and moved roughly east-southeast remaining close to Farm to Market Roads 1168 and 3416 for about five miles before turning east and crossing County Road 204. The final tornado developed at 1700 CST southeast of Chalk (Cottle County), then tracked over remote portions of northeast King County before crossing into Foard County. This tornado appeared to be wider on chaser videos, but caused no observed damage. Since no damage was observed with any of the three tornadoes documented, all three tornadoes received an EF-Unknown rating.

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*Tornadic storm near Grow, Texas. The photograph is courtesy of Melony Metz.*

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**LUBBOCK COUNTY --- 6.0 SSW WOLFFORTH [33.42, -102.06]**

05/09/22 11:00 CST	0	Dust Devil
05/09/22 11:00 CST	0	Source: Mesonet

A dust devil directly impacted a Texas Tech University West Texas mesonet site near Wolfforth. The mesonet site measured a one minute wind gust of 58 mph at 1100 CST.

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**LAMB COUNTY --- 0.2 NE LUMS CHAPEL [33.83, -102.33]**

05/10/22 15:46 CST	5K	Thunderstorm Wind (EG 57 kt)
05/10/22 15:46 CST	0	Source: Broadcast Media

Broadcast media relayed a report of a power line down on US 385 just north of the Hockley/Lamb County line. The same thunderstorm produced a wind gust to 66 mph at Amherst a short while later.

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

05/10/22 15:49 CST	0	Thunderstorm Wind (MG 54 kt)
05/10/22 15:50 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Morton measured severe wind gusts from 1549 CST through 1550 CST. A peak wind gust of 62 mph was measured at 1550 CST.

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**LAMB COUNTY --- 1.0 NE AMHERST [34.03, -102.41]**

## Storm Data and Unusual Weather Phenomena - May 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/10/22 16:45 CST		0	Thunderstorm Wind (MG 57 kt)
	05/10/22 16:50 CST		0	Source: Mesonet
Two separate severe thunderstorms affected Amherst in close proximity in time . The first storm produced severe wind gusts from 1645 CST through 1650 CST. A peak wind gust of 66 mph was measured at 1650 CST from a Texas Tech University West Texas mesonet.				
<b>CASTRO COUNTY --- 2.0 NE DIMMITT [34.57, -102.30]</b>				
	05/10/22 16:54 CST		0	Thunderstorm Wind (MG 61 kt)
	05/10/22 17:05 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Dimmitt measured severe wind gusts from 1654 CST through 1705 CST. A peak wind gust of 70 mph was measured at 1656 CST.				
<b>LAMB COUNTY --- 1.0 NE AMHERST [34.03, -102.41]</b>				
	05/10/22 17:00 CST		0	Thunderstorm Wind (MG 76 kt)
	05/10/22 17:06 CST		0	Source: Mesonet
Two separate severe thunderstorms affected Amherst in close proximity in time . The second storm produced severe wind gusts from 1700 CST through 1706 CST. A peak wind gust of 87 mph was measured at 1702 CST from a Texas Tech University West Texas mesonet.				
<b>PARMER COUNTY --- 0.3 WSW FRIONA BENDER ARPK [34.65, -102.69]</b>				
	05/10/22 17:03 CST		0	Thunderstorm Wind (MG 50 kt)
	05/10/22 17:03 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Friona measured a wind gust to 58 mph.				
<b>LAMB COUNTY --- AMHERST [34.02, -102.42]</b>				
	05/10/22 17:07 CST		0	Hail (1.00 in)
	05/10/22 17:07 CST		0	Source: Law Enforcement
Law enforcement in Amherst reported quarter size hail.				
<b>CASTRO COUNTY --- 3.0 N HART [34.42, -102.12]</b>				
	05/10/22 17:12 CST		0	Thunderstorm Wind (MG 74 kt)
	05/10/22 17:45 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Hart measured severe wind gusts from 1712 CST through 1745 CST. A peak wind gust of 85 mph was measured at 1728 CST.				
<b>CASTRO COUNTY --- 3.0 NW SUNNYSIDE [34.38, -102.34]</b>				
	05/10/22 17:20 CST		0.10M	Thunderstorm Wind (EG 70 kt)
	05/10/22 17:20 CST		0	Source: Public
A report was received of a center irrigation pivot overturned near the community of Sunnyside . The same thunderstorm produced a wind gust to 85 mph a few minutes later near Hart.				
<b>SWISHER COUNTY --- HAPPY [34.73, -101.85]</b>				
	05/10/22 17:35 CST		0	Thunderstorm Wind (MG 51 kt)
	05/10/22 17:39 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site in Happy measured severe wind gusts from 1735 CST through 1739 CST. A peak wind gust of 59 mph was measured at 1739 CST.				
<b>LAMB COUNTY --- 6.0 S OLTON [34.09, -102.13]</b>				
	05/10/22 17:51 CST		0	Thunderstorm Wind (MG 52 kt)
	05/10/22 17:54 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Olton measured severe wind gusts from 1751 CST through 1754 CST. A peak wind gust of 60 mph was measured at 1752 CST.				
<b>SWISHER COUNTY --- 1.0 S TULIA [34.52, -101.77], 2.0 ENE TULIA [34.54, -101.74]</b>				
	05/10/22 17:53 CST		0	Thunderstorm Wind (MG 69 kt)
	05/10/22 18:29 CST		0	Source: Mesonet

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A Texas Tech University West Texas mesonet site near Tulia measured severe wind gusts from 1753 CST through 1829 CST. A peak wind gust of 79 mph was measured at 1758 CST and again at 1806 to 1807 CST. Additionally, a large tree was blown over on the south side of Tulia.

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**SWISHER COUNTY --- HAPPY [34.73, -101.85]**

	05/10/22 18:02 CST	0	0	Thunderstorm Wind (MG 58 kt)
	05/10/22 18:23 CST	0	0	Source: Mesonet

A Texas Tech University West Texas mesonet site in Happy measured severe wind gusts from 1802 CST through 1823 CST. A peak wind gust of 67 mph was measured at 1804 CST.

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**SWISHER COUNTY --- 0.9 W VIGO PARK [34.65, -101.50]**

	05/10/22 18:19 CST	0	0	Thunderstorm Wind (MG 58 kt)
	05/10/22 18:31 CST	0	0	Source: Mesonet

A Texas Tech University West Texas mesonet site in Vigo Park measured severe wind gusts from 1819 CST through 1831 CST. A peak wind gust of 67 mph was measured at 1822 CST.

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**COCHRAN COUNTY --- 13.2 S WHITEFACE [33.41, -102.61]**

	05/10/22 18:57 CST	0	0	Thunderstorm Wind (MG 57 kt)
	05/10/22 19:37 CST	0	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Sundown measured severe wind gusts from 1857 CST through 1937 CST. A peak wind gust of 66 mph was measured at 1857 CST.

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**YOAKUM COUNTY --- 7.0 WNW DENVER CITY [33.01, -102.96]**

	05/10/22 18:59 CST	0	0	Thunderstorm Wind (MG 54 kt)
	05/10/22 19:00 CST	0	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Denver City measured wind gusts of 62 mph from 1859 CST through 1900 CST.

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**HOCKLEY COUNTY --- 4.0 S LEVELLAND [33.52, -102.37]**

	05/10/22 19:17 CST	0	0	Thunderstorm Wind (MG 53 kt)
	05/10/22 19:17 CST	0	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Levelland measured a wind gust of 61 mph at 1917 CST.

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**HOCKLEY COUNTY --- SMYER [33.58, -102.17]**

	05/10/22 19:40 CST	0	0	Thunderstorm Wind (MG 53 kt)
	05/10/22 19:42 CST	0	0	Source: Mesonet

A Texas Tech University West Texas mesonet in Smyer measured severe wind gusts from 1940 CST through 1942 CST. A peak wind gust of 61 mph was measured at 1940 CST. Additionally, visibility was briefly near zero due to blowing dust in Smyer.

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**LUBBOCK COUNTY --- REESE AFB [33.60, -102.05]**

	05/10/22 19:43 CST	0	0	Thunderstorm Wind (MS 51 kt)
	05/10/22 19:43 CST	0	0	Source: Mesonet

A Texas Tech University West Texas mesonet site at Reese Center measured a wind gust of 59 mph at 1943 CST.

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**YOAKUM COUNTY --- 1.4 N DENVER CITY [32.99, -102.85], 2.7 ENE DENVER CITY ARPT [32.99, -102.79], 2.1 ESE DENVER CITY ARPT [32.96, -102.79], 0.8 S DENVER CITY [32.96, -102.85]**

	05/10/22 20:00 CST	0	0	Flood (due to Heavy Rain)
	05/10/22 22:00 CST	0	0	Source: Law Enforcement

Several storms had repeatedly trained over the Denver City region causing multiple periods of heavy rainfall over a short period of time. Law enforcement in Denver City reported flooded roads in town from this heavy rainfall.

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**LAMB COUNTY --- 6.0 S OLTON [34.09, -102.13]**

	05/10/22 20:02 CST	0	0	Thunderstorm Wind (MG 50 kt)
	05/10/22 20:02 CST	0	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Olton measured a wind gust of 58 mph at 2002 CST.

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<b>GARZA COUNTY --- 5.6 SSW GRAHAM CHAPEL [33.08, -101.52]</b>				
	05/10/22 20:09 CST		0	Thunderstorm Wind (MG 56 kt)
	05/10/22 20:09 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Graham measured a wind gust of 64 mph at 2009 CST.				
<b>LUBBOCK COUNTY --- 2.0 WNW BURRIS [33.54, -101.81], 2.0 NE SLATON [33.45, -101.63]</b>				
	05/10/22 20:30 CST		0	Thunderstorm Wind (MG 55 kt)
	05/10/22 20:41 CST		0	Source: Mesonet
A swath of severe thunderstorm winds were observed from southeastern Lubbock to Slaton . A Texas Tech University West Texas mesonet site in southeast Lubbock measured a wind gust of 63 mph at 2030 CST. At 2041 CST, a mesonet site near Slaton measured a wind gust to 59 mph.				
<b>HALL COUNTY --- TURKEY [34.40, -100.88]</b>				
	05/10/22 20:35 CST		0	Hail (1.00 in)
	05/10/22 20:35 CST		0	Source: Fire Department/Rescue
The fire department in Turkey reported hail up to quarter size.				
<b>CROSBY COUNTY --- 6.0 NW WHITE RIVER LAKE [33.52, -101.16]</b>				
	05/10/22 20:44 CST		0	Thunderstorm Wind (MG 62 kt)
	05/10/22 21:11 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near White River Lake measured severe wind gusts from 2044 CST through 2111 CST. A peak wind gust of 71 mph was measured at 2045 CST.				
<b>LUBBOCK COUNTY --- 6.0 SSW WOLFFORTH [33.42, -102.06]</b>				
	05/10/22 20:47 CST		0	Thunderstorm Wind (MG 63 kt)
	05/10/22 20:50 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Wolfforth measured severe wind gusts from 2047 CST through 2050 CST. A peak wind gust of 73 mph was measured at 2048 CST.				
<b>FLOYD COUNTY --- 2.3 ENE MC COY [33.88, -101.39]</b>				
	05/10/22 20:58 CST		0	Thunderstorm Wind (EG 56 kt)
	05/10/22 20:58 CST		0	Source: Trained Spotter
A trained weather spotter reported that siding was blown off of a barn in southern Floyd County.				
<b>DICKENS COUNTY --- 3.0 NNW MC ADOO [33.77, -101.00]</b>				
	05/10/22 21:03 CST		0	Thunderstorm Wind (MG 63 kt)
	05/10/22 21:09 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near McAdoo measured severe wind gusts from 2103 CST through 2109 CST. A peak wind gust of 73 mph was measured at 2104 CST.				
<b>MOTLEY COUNTY --- 1.0 NNW ROARING SPGS BUZZ AR [33.94, -100.84]</b>				
	05/10/22 21:18 CST		0	Thunderstorm Wind (MG 67 kt)
	05/10/22 21:25 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Roaring Springs measured severe wind gusts from 2118 CST through 2125 CST. A peak wind gust of 77 mph was measured at 2118 CST.				
<b>HALL COUNTY --- 2.0 WSW TURKEY [34.39, -100.91]</b>				
	05/10/22 21:40 CST		0	Thunderstorm Wind (MG 54 kt)
	05/10/22 21:41 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Turkey measured severe wind gusts from 2140 CST through 2141 CST. A peak wind gust of 62 mph was measured at 2140 CST.				
<b>MOTLEY COUNTY --- 1.0 S NORTHFIELD [34.27, -100.60]</b>				

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	05/10/22 21:41 CST		0	Thunderstorm Wind (MG 63 kt)
	05/10/22 21:44 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Northfield measured severe wind gusts from 2141 CST through 2144 CST. A peak wind gust of 72 mph was measured at 2143 CST.				
<b>COTTLE COUNTY --- 10.0 SW PADUCAH [33.92, -100.42]</b>				
	05/10/22 21:46 CST		0	Thunderstorm Wind (MG 50 kt)
	05/10/22 21:46 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Paducah measured a wind gust of 58 mph at 2146 CST.				
<b>LUBBOCK COUNTY --- 0.7 ENE LUBBOCK [33.59, -101.84]</b>				
	05/10/22 22:00 CST		0	Heavy Rain
	05/11/22 00:00 CST		0	Source: Emergency Manager
Emergency management for the city of Lubbock reported that the left lane of southbound Interstate-27 was closed due to standing water on the roadway.				
<b>(TX-Z037) DICKENS</b>				
	05/10/22 22:06 CST		0	High Wind (MAX 54 kt)
	05/10/22 22:39 CST		0	
<b>CHILDRESS COUNTY --- CHILDRESS [34.42, -100.20]</b>				
	05/10/22 22:11 CST		0	Hail (1.00 in)
	05/10/22 22:11 CST		0	Source: Public
A report was received of quarter size hail in Childress.				
<b>COTTLE COUNTY --- 6.0 WSW PADUCAH [33.99, -100.40]</b>				
	05/10/22 22:40 CST		0	Thunderstorm Wind (MG 56 kt)
	05/10/22 22:40 CST		0	Source: Storm Chaser
A storm chaser measured a wind gust of 65 mph with a handheld anemometer west of Paducah.				
<p><b>Widespread severe thunderstorms developed on the afternoon of the tenth as a weak upper level disturbance ejected overhead northward out of Mexico. The initial activity rapidly developed near the dryline, which was located near the Texas/New Mexico line, late Tuesday afternoon. Aided by strong instability, several of the storms quickly became severe mostly producing severe thunderstorm winds. The thunderstorms gradually evolved into a solid line and tracked eastward across much of the South Plains, Rolling Plains and southern Texas Panhandle through the mid-late evening hours continually producing severe winds. Lastly, a wake low developed in the departing convection which generated a high wind gust of 62 mph near McAdoo measured by the Texas Tech University West Texas mesonet.</b></p>				
<b>CASTRO COUNTY --- 8.7 E SUMMERFIELD [34.73, -102.35]</b>				
	05/11/22 18:45 CST		0	Hail (2.00 in)
	05/11/22 18:45 CST		0	Source: Broadcast Media
Local broadcast media relayed a report of hail up to two inches in diameter along US Highway 385 in far northern Castro County. No damage was reported.				
<p><b>Scattered thunderstorms again developed on the afternoon of the 11th as a weak upper level short wave approached the area. A deep upper level trough was able to keep a dryline backed up into eastern New Mexico this afternoon. Stronger deep layer shear was able to keep convection discrete on the 11th. One of the storms that developed generated hail up to two inches in diameter in far northern Castro County.</b></p>				
<b>LYNN COUNTY --- 1.0 W O'DONNELL [32.97, -101.85]</b>				
	05/16/22 18:42 CST		0	Thunderstorm Wind (MG 52 kt)
	05/16/22 19:04 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near O'Donnell measured severe wind gusts at 1842 CST and again at 1904 CST. A peak gust of 60 mph was measured at 1904 CST.				
<b>LYNN COUNTY --- 1.0 W O'DONNELL [32.97, -101.85]</b>				
	05/16/22 19:08 CST		0	Thunderstorm Wind (MG 61 kt)
	05/16/22 19:13 CST		0	Source: Mesonet



## Storm Data and Unusual Weather Phenomena - May 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A Texas Tech University West Texas mesonet site near New Home measured severe wind gusts from 1908 CST through 1913 CST. A peak wind gust of 70 mph was measured at 1911 CST.				
<b>LUBBOCK COUNTY --- 4.1 S WOLFFORTH [33.44, -102.02]</b>				
	05/16/22 19:18 CST	0		Hail (1.00 in)
	05/16/22 19:18 CST	0		Source: NWS Employee
An off-duty NWS employee measured quarter size hail south of Wolfforth.				
<b>LUBBOCK COUNTY --- 2.0 NE SLATON [33.45, -101.63], (LBB)LUBBOCK INTL AR [33.67, -101.82]</b>				
	05/16/22 19:30 CST	0		Thunderstorm Wind (MG 59 kt)
	05/16/22 19:35 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Slaton measured severe wind gusts from 1930 CST through 1935 CST. A peak gust of 68 mph was measured at 1933 CST. Additionally, the Automated Surface Observing System (ASOS) at Lubbock Preston Smith International Airport measured a gust to 58 mph at 1931 CST. The emergency manager for the city of Lubbock also reported downed power poles in the 5700 block of third street in Lubbock.				
<b>CROSBY COUNTY --- 1.0 SE RALLS [33.67, -101.37]</b>				
	05/16/22 20:05 CST	0		Thunderstorm Wind (MG 56 kt)
	05/16/22 20:05 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Ralls measured a severe wind gust of 65 mph.				
<b>CROSBY COUNTY --- 6.0 NW WHITE RIVER LAKE [33.52, -101.16]</b>				
	05/16/22 20:15 CST	0		Thunderstorm Wind (MG 57 kt)
	05/16/22 20:22 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near White River Lake measured severe wind gusts from 2015 CST through 2022 CST. A peak wind gust of 66 mph was measured at 2016 CST.				
<b>DICKENS COUNTY --- 3.0 NNW MC ADOO [33.77, -101.00]</b>				
	05/16/22 20:19 CST	0		Thunderstorm Wind (MG 56 kt)
	05/16/22 20:27 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near McAdoo measured severe wind gusts from 2019 CST through 2027 CST. A peak wind gust of 65 mph was measured at 2020 CST.				
<b>GARZA COUNTY --- 1.0 NE POST [33.19, -101.37]</b>				
	05/16/22 20:37 CST	0		Thunderstorm Wind (MG 52 kt)
	05/16/22 20:37 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Post measured a wind gust of 60 mph.				
<b>MOTLEY COUNTY --- 1.0 NW ROARING SPGS BUZZ AR [33.94, -100.84]</b>				
	05/16/22 20:40 CST	0		Thunderstorm Wind (MG 54 kt)
	05/16/22 20:40 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Roaring Springs measured a wind gust of 62 mph.				
<b>KING COUNTY --- 10.0 WSW GUTHRIE [33.56, -100.49]</b>				
	05/16/22 21:12 CST	0		Thunderstorm Wind (MG 52 kt)
	05/16/22 21:12 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Guthrie measured a wind gust of 60 mph.				
<b>MOTLEY COUNTY --- 1.0 S NORTHFIELD [34.27, -100.60]</b>				
	05/16/22 21:19 CST	0		Thunderstorm Wind (MG 53 kt)
	05/16/22 21:21 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Northfield measured severe wind gusts from 2119 CST through 2121 CST. A peak wind gust of 61 mph was measured at 2120 CST.				

## Storm Data and Unusual Weather Phenomena - May 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>COTTLE COUNTY --- 2.0 SSE HACKBERRY [33.90, -100.14]</b>				
	05/16/22 21:32 CST		0	Thunderstorm Wind (MG 50 kt)
	05/16/22 21:32 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Hackberry measured a wind gust of 58 mph.				
An approaching short wave aloft along with increasing low level moisture allowed scattered thunderstorms to develop on the afternoon into the evening of the 16th across eastern New Mexico. This activity developed eastward, organizing into a ragged line of high based thunderstorms as it moved across the South Plains, then into the Rolling Plains during the evening and overnight hours. These thunderstorms produced widespread strong to severe winds as they accelerated eastward, along with blowing dust.				
<b>LUBBOCK COUNTY</b>				
	05/17/22 18:15 CST		0	High Wind
	05/17/22 18:24 CST		0	Source: Mesonet
<b>(TX-C303) LUBBOCK, (TX-Z029) HALE, (TX-Z033) COCHRAN, (TX-Z036) CROSBY, (TX-Z037) DICKENS</b>				
	05/17/22 18:15 CST		0	High Wind (MAX 67 kt)
	05/17/22 19:51 CST		0	
<b>MOTLEY COUNTY --- 1.0 NNW ROARING SPGS BUZZ AR [33.94, -100.84]</b>				
	05/17/22 18:44 CST		0	Thunderstorm Wind (MG 56 kt)
	05/17/22 18:58 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Roaring Springs measured severe wind gusts from 1844 CST through 1856 CST. A peak wind gust of 65 mph was measured at 1858 CST.				
Very hot temperatures developed on the afternoon of the 17th which generated scattered high based virga showers and a few thunderstorms. These virga showers and thunderstorms quickly became outflow dominant producing several severe wind gusts across the South Plains and Rolling Plains. One of these high-based showers collapsed near Slaton (Lubbock County) where extensive damage occurred. The Slaton Fire Department reported several five-inch tree limbs snapped in addition to several structures sustaining roof damage.				
High wind reports from the Texas Tech University West Texas mesonet are listed below:				
79 mph at Slaton (Lubbock County), 77 mph at Sundown (Cochran County), 76 mph at McAdoo (Dickens County), 69 mph at Abernathy (Hale County), 65 mph at Roaring Springs (Motley County), and 58 mph at Ralls (Crosby County).				
<b>BAILEY COUNTY --- 4.7 W GOODLAND [33.87, -103.01]</b>				
	05/23/22 16:50 CST		0	Hail (1.75 in)
	05/23/22 16:50 CST		0	Source: Storm Chaser
A storm chaser reported golf ball size hail in far southwestern Bailey County.				
<b>BAILEY COUNTY --- 1.0 ESE MAPLE [33.84, -102.88], 3.0 N MAPLE [33.89, -102.90]</b>				
	05/23/22 17:17 CST		0	Hail (2.25 in)
	05/23/22 17:36 CST		0	Source: Storm Chaser
Several storm chasers reported a swath of hail between ping pong ball size and 2.25 inches in far southern Bailey County. No damage was reported.				
<b>PARMER COUNTY --- BOVINA [34.52, -102.90], 2.0 SSE BOVINA [34.49, -102.89]</b>				
	05/23/22 17:33 CST		0	Hail (2.50 in)
	05/23/22 17:38 CST		0	Source: Storm Chaser
A swath of severe size hail was observed in and around Bovina. Law enforcement in the town of Bovina reported quarter size hail. A few minutes later, a storm chaser reported hail up to tennis ball size just south of Bovina. No damage was reported.				
<b>COCHRAN COUNTY --- 7.8 NW MORTON [33.81, -102.85], 7.3 NNW MORTON [33.81, -102.83]</b>				

## Storm Data and Unusual Weather Phenomena - May 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/23/22 17:50 CST		0	Tornado (EFU, L: 0.99 mi , W: 50 yd)
	05/23/22 17:55 CST		0	Source: NWS Storm Survey

A cyclic tornadic supercell produced several tornadoes over a period of approximately two hours . An NWS storm survey revealed that this supercell produced nine separate tornadoes. This tornado was the first tornado. It was a brief needle like tornado that became rain wrapped and observed by several storm chasers. No damage was observed or reported.

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### COCHRAN COUNTY --- 6.2 N MORTON [33.81, -102.79], 6.8 NNW MORTON COCHRAN CO AR [33.83, -102.76]

	05/23/22 18:03 CST		0	Tornado (EF2, L: 1.66 mi , W: 1400 yd)
	05/23/22 18:12 CST		0	Source: NWS Storm Survey

A cyclic tornadic supercell produced several tornadoes over a period of approximately two hours . An NWS storm survey revealed that this supercell produced nine separate tornadoes. This tornado was the second tornado. The instantaneous width and center of the tornado was estimated from TTU-Kal radar data. Extensive photo and video evidence existed of a wide, dusty, wedge tornado with numerous sub-vortices present at times. Maximum winds were estimated at 120 mph. This tornado continued into Bailey County.

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### BAILEY COUNTY --- 3.1 S ENOCHS [33.83, -102.76], 2.6 SSW ENOCHS [33.83, -102.78]

	05/23/22 18:12 CST		0	Tornado (EF2, L: 1.19 mi , W: 1400 yd)
	05/23/22 18:18 CST		0	Source: NWS Storm Survey

A cyclic tornadic supercell produced several tornadoes over a period of approximately two hours . An NWS storm survey revealed that this supercell produced nine separate tornadoes. This tornado was the second tornado. The instantaneous width and center of the tornado was estimated from TTU-Kal radar data. Extensive photo and video evidence existed of a wide, dusty, wedge tornado with numerous sub-vortices present at times. Maximum winds were estimated at 120 mph. This is a continuation of a tornado from Cochran County.

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### COCHRAN COUNTY --- 6.3 N MORTON COCHRAN CO AR [33.82, -102.72], 6.6 N MORTON COCHRAN CO AR [33.83, -102.71]

	05/23/22 18:13 CST		0	Tornado (EFU, L: 0.38 mi , W: 50 yd)
	05/23/22 18:17 CST		0	Source: NWS Storm Survey

A cyclic tornadic supercell produced several tornadoes over a period of approximately two hours . An NWS storm survey revealed that this supercell produced nine separate tornadoes. This tornado was the third tornado. While the larger tornado south of Enochs was occluding, a new circulation developed to the east and a brief, small tornado was reported by numerous chasers, including NWS spotters. No damage was observed or reported. The instantaneous center of the tornado was estimated from TTU-Kal radar data. This tornado continued into Bailey County.

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### BAILEY COUNTY --- 4.5 SE ENOCHS [33.83, -102.71], 3.9 SE ENOCHS [33.84, -102.72]

	05/23/22 18:17 CST		0	Tornado (EFU, L: 0.30 mi , W: 50 yd)
	05/23/22 18:22 CST		0	Source: NWS Storm Survey

A cyclic tornadic supercell produced several tornadoes over a period of approximately two hours . An NWS storm survey revealed that this supercell produced nine separate tornadoes. This tornado was the third tornado. While the larger tornado south of Enochs was occluding, a new circulation developed to the east and a brief, small tornado was reported by numerous chasers, including NWS spotters. No damage was observed or reported. The instantaneous center of the tornado was estimated from TTU-Kal radar data. This is a continuation of a tornado from Cochran County.

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### COCHRAN COUNTY --- 5.6 NE MORTON COCHRAN CO AR [33.79, -102.67], 6.4 NE MORTON COCHRAN CO AR [33.79, -102.64]

	05/23/22 18:40 CST		0	Tornado (EFU, L: 1.55 mi , W: 50 yd)
	05/23/22 18:45 CST		0	Source: NWS Storm Survey

A cyclic tornadic supercell produced several tornadoes over a period of approximately two hours . An NWS storm survey revealed that this supercell produced nine separate tornadoes. This tornado was the fourth tornado. A short lived, small tornado was observed in far northeastern Cochran County. No damage was observed or reported. The instantaneous center of the tornado was estimated from TTU-Kal radar data.

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### COCHRAN COUNTY --- 0.3 NNW MORTON COCHRAN CO AR [33.73, -102.73]

	05/23/22 18:47 CST		0	Thunderstorm Wind (MG 70 kt)
	05/23/22 18:47 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Morton measured a severe wind gust of 80 mph.

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### HOCKLEY COUNTY --- 3.1 SSW PEP [33.78, -102.59], 2.7 SSE PEP [33.78, -102.56]

	05/23/22 19:06 CST		0	Tornado (EF0, L: 1.92 mi , W: 200 yd)
	05/23/22 19:11 CST		0	Source: NWS Storm Survey

## Storm Data and Unusual Weather Phenomena - May 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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A cyclic tornadic supercell produced several tornadoes over a period of approximately two hours . An NWS storm survey revealed that this supercell produced nine separate tornadoes. This tornado was the fifth tornado. Numerous storm chasers documented a brief, small tornado in an open field. Wooden power poles were blown down at the intersection of Farm to Market Roads 597 and 303, approximately two miles south of Pep. Maximum winds were estimated at 85 mph.

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**COCHRAN COUNTY --- 3.8 SE MORTON COCHRAN CO AR [33.69, -102.69], 3.9 SE MORTON COCHRAN CO AR [33.69, -102.69]**

	05/23/22 19:14 CST		5K	Tornado (EFU, L: 0.14 mi , W: 50 yd)
	05/23/22 19:16 CST		0	Source: Storm Chaser

A cyclic tornadic supercell produced several tornadoes over a period of approximately two hours . An NWS storm survey revealed that this supercell produced nine separate tornadoes. This tornado was the sixth tornado. A brief condensation funnel extended to the ground from the cloud for approximately two minutes near the intersection if County Roads 98 and 197 southeast of Morton as reported by a storm chaser. A power flash was observed with this tornado.

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**HOCKLEY COUNTY --- 3.8 SW PETTIT [33.66, -102.58], 3.8 SSW PETTIT [33.65, -102.56]**

	05/23/22 19:28 CST		0	Tornado (EFU, L: 1.08 mi , W: 50 yd)
	05/23/22 19:32 CST		0	Source: NWS Storm Survey

A cyclic tornadic supercell produced several tornadoes over a period of approximately two hours . An NWS storm survey revealed that this supercell produced nine separate tornadoes. This tornado was the seventh tornado. No damage was observed or reported from this short lived, small tornado. The instantaneous center of the tornado was estimated from TTU-Kal radar data.

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**BAILEY COUNTY --- 6.8 SSE BULA [33.83, -102.62], 3.3 SSW ENOCHS [33.82, -102.79], 3.4 NNW ENOCHS [33.91, -102.79], 3.3 SE BULA [33.88, -102.62]**

	05/23/22 19:30 CST		0	Flash Flood (due to Heavy Rain)
	05/23/22 21:30 CST		0	Source: NWS Storm Survey

A cyclic tornadic supercell persisted for several hours near the intersection of Bailey , Lamb, Hockley, and Cochran Counties. This thunderstorm brought copious amount of rainfall to this region leading to flash flooding over a widespread area. Most of the rainfall was observed over far southeastern Bailey County where between three and seven inches of rain fell. While conducting a tornado storm survey the next day, the NWS survey team discovered numerous roads that were impassable due to flooding.

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**COCHRAN COUNTY --- 9.3 NE MORTON COCHRAN CO AR [33.83, -102.62], 7.3 N MORTON [33.82, -102.79], 1.9 NE MORTON COCHRAN CO AR [33.75, -102.71], 6.9 E MORTON COCHRAN CO AR [33.75, -102.61]**

	05/23/22 19:30 CST		0	Flash Flood (due to Heavy Rain)
	05/23/22 21:30 CST		0	Source: NWS Storm Survey

A cyclic tornadic supercell persisted for several hours near the intersection of Bailey , Lamb, Hockley, and Cochran Counties. This thunderstorm brought copious amount of rainfall to this region leading to flash flooding over a widespread area. Most of the rainfall was observed over far southeastern Bailey County where between three and seven inches of rain fell. While conducting a tornado storm survey the next day, the NWS survey team discovered numerous roads that were impassable due to flooding.

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**HOCKLEY COUNTY --- 2.6 W PEP [33.83, -102.62], 3.8 NW OKLAHOMA FLAT [33.82, -102.44], 3.0 SW OKLAHOMA FLAT [33.75, -102.44], 5.4 SSW PEP [33.75, -102.61]**

	05/23/22 19:30 CST		0	Flash Flood (due to Heavy Rain)
	05/23/22 21:30 CST		0	Source: NWS Storm Survey

A cyclic tornadic supercell persisted for several hours near the intersection of Bailey , Lamb, Hockley, and Cochran Counties. This thunderstorm brought copious amount of rainfall to this region leading to flash flooding over a widespread area. Most of the rainfall was observed over far southeastern Bailey County where between three and seven inches of rain fell. While conducting a tornado storm survey the next day, the NWS survey team discovered numerous roads that were impassable due to flooding.

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**LAMB COUNTY --- 9.9 SSW BECK [33.83, -102.62], 6.8 SW BECK [33.88, -102.62], 4.7 SW LITTLEFIELD MUNI ARP [33.87, -102.44], 6.2 W LUMS CHAPEL [33.82, -102.44]**

	05/23/22 19:30 CST		0	Flash Flood (due to Heavy Rain)
	05/23/22 21:30 CST		0	Source: NWS Storm Survey

A cyclic tornadic supercell persisted for several hours near the intersection of Bailey , Lamb, Hockley, and Cochran Counties. This thunderstorm brought copious amount of rainfall to this region leading to flash flooding over a widespread area. Most of the rainfall was observed over far southeastern Bailey County where between three and seven inches of rain fell. While conducting a tornado storm survey the next day, the NWS survey team discovered numerous roads that were impassable due to flooding.

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**HOCKLEY COUNTY --- 2.9 SSW PETTIT [33.66, -102.56], 2.7 SSW PETTIT [33.66, -102.55]**

## Storm Data and Unusual Weather Phenomena - May 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/23/22 19:37 CST		0	Tornado (EFU, L: 0.44 mi , W: 50 yd)
	05/23/22 19:39 CST		0	Source: NWS Storm Survey

A cyclic tornadic supercell produced several tornadoes over a period of approximately two hours . An NWS storm survey revealed that this supercell produced nine separate tornadoes. This tornado was the eighth tornado. No damage was observed or reported with this short lived, small tornado. The instantaneous center of the tornado was estimated from TTU-Kal radar data.

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### COCHRAN COUNTY --- 0.3 NNW MORTON COCHRAN CO AR [33.73, -102.73]

	05/23/22 19:38 CST		0	Thunderstorm Wind (MG 50 kt)
	05/23/22 19:38 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Morton measured a severe wind gust of 58 mph.

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### HOCKLEY COUNTY --- 3.1 NW COBLE [33.63, -102.54], 5.8 ESE PETTIT [33.68, -102.43]

	05/23/22 19:40 CST		0	Tornado (EF2, L: 7.55 mi , W: 1420 yd)
	05/23/22 19:58 CST		0	Source: NWS Storm Survey

A cyclic tornadic supercell produced several tornadoes over a period of approximately two hours . An NWS storm survey revealed that this supercell produced nine separate tornadoes. This tornado was the ninth and final tornado. The NWS storm survey team discovered several locations along Farm to Market Road 303 with wooden power poles snapped at the base and two pump jacks overturned. Maximum winds were estimated at 120 mph. The instantaneous width and center of the tornado was estimated from TTU-Kal radar data.

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### HOCKLEY COUNTY --- 3.3 NE LEVELLAND [33.62, -102.33]

	05/23/22 20:22 CST		0	Hail (1.75 in)
	05/23/22 20:22 CST		0	Source: Trained Spotter

A trained spotter reported golf ball size hail just to the northeast of Levelland.

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### HOCKLEY COUNTY --- 6.6 N SMYER [33.68, -102.18]

	05/23/22 20:51 CST		0	Hail (1.00 in)
	05/23/22 20:51 CST		0	Source: Trained Spotter

A trained spotter reported quarter size hail two to three inches deep on the ground.

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### BAILEY COUNTY --- 2.0 SSW MULESHOE [34.19, -102.74]

	05/23/22 21:05 CST		0	Thunderstorm Wind (MG 58 kt)
	05/23/22 21:25 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Muleshoe measured severe wind gusts from 2105 CST through 2125 CST. A peak wind gust of 67 mph was measured at 2105 and 2110 CST.

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### LUBBOCK COUNTY --- 4.0 WNW SHALLOWATER ARPT [33.69, -102.07]

	05/23/22 21:08 CST		0	Hail (1.00 in)
	05/23/22 21:08 CST		0	Source: Trained Spotter

A trained spotter reported quarter size hail along Farm to Market Road 1294 west of Shallowater.

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### LUBBOCK COUNTY --- 4.7 NW (REE)REESE AFB LUBBO [33.65, -102.11]

	05/23/22 22:00 CST		0	Heavy Rain
	05/23/22 23:00 CST		0	Source: Public

A report was received of standing water on the road at the intersection of Farm to Market Roads 2641 and 2378.

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### LAMB COUNTY --- 2.2 SSE EARTH [34.20, -102.38]

	05/23/22 22:14 CST		0	Thunderstorm Wind (EG 56 kt)
	05/23/22 22:14 CST		0	Source: Law Enforcement

The Lamb County Sheriff's Office reported several power lines down along County Road 167 to the southeast of Earth.

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

	05/23/22 23:42 CST		0	Thunderstorm Wind (MG 53 kt)
	05/23/22 23:42 CST		0	Source: Mesonet

## Storm Data and Unusual Weather Phenomena - May 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A Texas Tech University West Texas mesonet site near Abernathy measured a severe wind gust of 61 mph.				
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CHILDRESS COUNTY --- 0.9 E (CDS)CHILDRESS ARPT [34.43, -100.28]	05/24/22 02:26 CST		0	Thunderstorm Wind (MG 50 kt)
	05/24/22 02:26 CST		0	Source: ASOS

The automated surface observing system at Childress Municipal Airport measured a wind gust of 58 mph.

Returning Gulf of Mexico moisture into the South Plains of West Texas fueled widespread severe thunderstorm development across the region on the afternoon and evening of the 23rd. Moderate to strong instability developed across the western South Plains and eastern New Mexico Monday afternoon and evening as the improving low-level moisture and temperatures warming into the 80s developed beneath an approaching upper level storm system. Relatively strong wind shear caused several of the thunderstorms to rotate as they moved into the western South Plains and western Texas Panhandle. A cluster of thunderstorms moving northeast out of southeastern New Mexico interacted with an outflow boundary moving northwest out of the Permian Basin. This caused a storm on the southern flank of the cluster to begin to rotate and become supercellular and take a more easterly, then southeasterly track. As the storm intensified, it became cyclic in behavior and its forward speed varied from about 5 mph to 20 mph. An NWS storm survey revealed that this supercell produced nine separate tornadoes over an approximately two hour period. The tornadoes occurred over rural areas which limited the overall impacts. Spotty damage did occur including two oil pumpjacks that were toppled by the intense tornadic winds. This damage, along with snapped power poles and flipped center pivots earned a peak damage rating of EF-2. The thunderstorms eventually evolved into a larger complex that brought widespread rain to most of the South Plains, Rolling Plains, and southern Texas Panhandle. The heaviest rain was associated with the slow-moving tornadic storm and was concentrated over Bailey County, where three to as much as seven inches of rain fell.



*A large, dusty tornado at 1809 CST near the Cochran/Bailey County line. The picture is courtesy of Kholby Martin.*

## Storm Data and Unusual Weather Phenomena - May 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>YOAKUM COUNTY --- 7.0 WNW DENVER CITY [33.01, -102.96]</b>				
	05/24/22 15:11 CST		0	Thunderstorm Wind (MG 60 kt)
	05/24/22 15:12 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Denver City measured severe wind gusts from 1511 CST through 1512 CST. A peak wind gust of 69 mph was measured at 1511 CST.				
<b>(TX-Z035) LUBBOCK, (TX-Z036) CROSBY, (TX-Z040) TERRY</b>				
	05/24/22 15:51 CST		0	Strong Wind (MAX 48 kt)
	05/24/22 16:39 CST		0	
<b>YOAKUM COUNTY --- 7.0 WNW DENVER CITY [33.01, -102.96]</b>				
	05/24/22 15:53 CST		0	Thunderstorm Wind (MG 52 kt)
	05/24/22 15:54 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Denver City measured severe wind gusts from 1553 CST through 1554 CST. A peak wind gust of 60 mph was measured at 1553 CST.				
<b>COCHRAN COUNTY --- 13.1 S WHITEFACE [33.41, -102.61]</b>				
	05/24/22 15:57 CST		0	Thunderstorm Wind (MG 68 kt)
	05/24/22 16:22 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Sundown measured severe wind gusts from 1557 CST through 1622 CST. A peak wind gust of 78 mph was measured at 1602 CST.				
<b>COCHRAN COUNTY --- 0.1 NW MORTON COCHRAN CO AR [33.73, -102.73]</b>				
	05/24/22 16:00 CST		0	Thunderstorm Wind (MG 58 kt)
	05/24/22 16:02 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Morton measured severe wind gusts from 1600 CST through 1602 CST. A peak wind gust of 67 mph was measured at 1601 CST.				
<b>LUBBOCK COUNTY --- 4.1 S WOLFFORTH [33.44, -102.02]</b>				
	05/24/22 16:13 CST		0	Hail (1.00 in)
	05/24/22 16:13 CST		0	Source: NWS Employee
An off duty NWS employee measured quarter size hail south of Wolfforth.				
<b>HOCKLEY COUNTY --- 4.0 S LEVELLAND [33.52, -102.37]</b>				
	05/24/22 16:26 CST		0	Thunderstorm Wind (MG 56 kt)
	05/24/22 16:26 CST		0	Source: Mariner
A Texas Tech University West Texas mesonet site near Levelland measured a wind gust of 65 mph.				
<b>TERRY COUNTY --- 2.0 W MEADOW [33.33, -102.23]</b>				
	05/24/22 16:31 CST		0	Thunderstorm Wind (EG 65 kt)
	05/24/22 16:31 CST		0	Source: Law Enforcement
Law enforcement in Terry County reported a roof was blown off a house and a basketball backboard ripped out of a concrete pad west of Meadow . A short time earlier, a Texas Tech University West Texas mesonet site near Sundown measured a wind gust to 78 mph.				
<b>LUBBOCK COUNTY --- 1.8 E UNION [33.42, -101.74], 2.4 SW MIDWAY [33.50, -101.61], 3.0 W WOLFFORTH [33.50, -102.07], 5.5 S WOLFFORTH [33.42, -102.01]</b>				
	05/24/22 16:45 CST		0	Flash Flood (due to Heavy Rain)
	05/24/22 18:45 CST		0	Source: NWS Employee
As a surface boundary was moving through Lubbock County, thunderstorms developed along this boundary in the southern portion of the County. These thunderstorms caused the boundary to stall out and allow thunderstorms to train over southern Lubbock County. Rain gages near Woodrow measured as much as four inches of rain within a two hour period.				
<b>LUBBOCK COUNTY --- 6.0 SSW WOLFFORTH [33.42, -102.06]</b>				

## Storm Data and Unusual Weather Phenomena - May 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/24/22 16:51 CST		0	Thunderstorm Wind (MG 59 kt)
	05/24/22 17:00 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Wolfforth measured severe wind gusts from 1651 CST through 1700 CST. A peak wind gust of 68 mph was measured at 1652 CST.

**CROSBY COUNTY --- 6.0 NW WHITE RIVER LAKE [33.52, -101.16]**

	05/24/22 17:22 CST		0	Thunderstorm Wind (MG 54 kt)
	05/24/22 17:23 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near White River Lake measured severe wind gusts from 1722 CST through 1723 CST. A peak wind gust of 62 mph was measured at 1722 CST.

**(TX-Z041) LYNN, (TX-Z042) GARZA**

	05/24/22 17:23 CST		0	High Wind (MAX 60 kt)
	05/24/22 18:13 CST		0	


Following severe weather the previous afternoon of the 23rd, another batch of thunderstorms originating from the higher terrain of eastern New Mexico swept through the region. This complex of thunderstorms moved much more quickly than the previous evening's storms, though additional slow-moving storms also formed along a weak frontal zone over the central South Plains late Tuesday afternoon which brought torrential rainfall to a portion of the South Plains. The thunderstorms that formed above the quasi-stationary frontal zone were able to concentrate the spin along the front, which resulted in the development of several landspout type tornadoes. At one point as many as three landspouts were observed at the same time near the community of Meadow (Terry County). The landspouts moved very little, dissipated relatively quickly, and inflicted no known damage. In contrast to the limited and short-lived landspouts, the bulging cluster of storms generated widespread severe wind gusts across the central and southern South Plains. Severe wind gusts developed in the southern South Plains underneath stratiform precipitation well behind the main convective line.

High wind gusts from stratiform precipitation were measured by the Texas Tech University West Texas mesonet shown below:

69 mph at Graham (Garza County),  
 67 mph at Post (Garza County), and  
 60 mph at O'Donnell (Lynn County).



## Storm Data and Unusual Weather Phenomena - May 2022

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

*A pair of landspout tornadoes near Meadow. The photograph is courtesy of Wood Franklin.*

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(TX-Z023) SWISHER, (TX-Z026) CHILDRESS, (TX-Z029) HALE, (TX-Z036) CROSBY, (TX-Z042) GARZA

05/28/22 16:45 CST	0	High Wind (MAX 65 kt)
05/28/22 18:11 CST	0	

Broad upper troughing over the Great Basin deepened and moved eastward resulting in backing southwest flow aloft. Surface winds veered and increased in response to strong lee-side cyclogenesis over eastern Colorado, sharpening a modest dryline which moved into the Rolling Plains. A weak upper level disturbance over northern Mexico approached the area and resulted in isolated high based convection. A very dry and hot lower atmosphere contributed to strong DCAPE values this afternoon and resulted in virga showers producing severe wind gusts. Updrafts were weak enough that very little to no lightning was observed with this convection.

High wind reports from the Texas Tech University West Texas mesonet are below:

- 75 mph at White River Lake (Crosby County),
- 73 mph at Childress (Childress County),
- 68 mph at Tulia (Swisher County),
- 62 mph at Graham (Garza County), and
- 59 mph at Vigo Park (Swisher County).

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HALL COUNTY --- 3.0 SE MEMPHIS [34.69, -100.49], 4.5 E MEMPHIS MUNI ARPT [34.73, -100.44]

05/31/22 15:49 CST	0.10M	Hail (3.50 in)
05/31/22 16:04 CST	0	Source: Storm Chaser

## Storm Data and Unusual Weather Phenomena - May 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>Numerous storm chasers reported a swath of giant hail along US Highway 287 southeast of Memphis to approximately five miles east of Memphis along Texas State Highway 256. Photographs from storm chasers showed the largest hail size of 3.5 inches in diameter along US Highway 287. Copious amount of windshields were destroyed from this hail.</p>				

### HALL COUNTY --- MEMPHIS [34.72, -100.53]

05/31/22 16:49 CST	0	Hail (2.00 in)
05/31/22 16:49 CST	0	Source: Emergency Manager

The emergency manager for Memphis reported hail up to two inches in diameter. No damage was reported.

### CHILDRESS COUNTY --- 3.9 SE ARLIE [34.68, -100.03]

05/31/22 17:30 CST	0	Thunderstorm Wind (EG 56 kt)
05/31/22 17:30 CST	0	Source: COOP Observer

An NWS cooperative weather observer located near the intersection of US Highway 62 and County Road 22 reported extensive damage around the area. A feed trough was knocked over along with several windows broken on the north facing portion of buildings. A nearby Texas Tech University West Texas mesonet reported a wind gust to 65 mph.

### SWISHER COUNTY --- TULIA [34.53, -101.77]

05/31/22 17:42 CST	0	Hail (1.75 in)
05/31/22 17:42 CST	0	Source: Social Media

A photograph on social media showed golf ball size hail in Tulia.

### CHILDRESS COUNTY --- 14.0 NW CHILDRESS [34.56, -100.37]

05/31/22 17:46 CST	0	Hail (1.50 in)
05/31/22 17:46 CST	0	Source: COOP Observer

An NWS cooperative weather observer reported ping pong ball size hail approximately 14 miles northwest of Childress.

### SWISHER COUNTY --- 5.6 ENE EUNICE [34.50, -101.65]

05/31/22 18:31 CST	0	Hail (2.00 in)
05/31/22 18:31 CST	0	Source: Storm Chaser

A storm chaser reported hail up to two inches in diameter southeast of Tulia along Texas State Highway 86. No damage was reported.

### HALL COUNTY --- 1.9 WSW PLASKA [34.59, -100.66], 3.8 SE MEMPHIS [34.69, -100.48], 2.5 W MEMPHIS [34.73, -100.57], 2.5 NE LAKEVIEW [34.69, -100.66]

05/31/22 19:00 CST	1M	Flash Flood (due to Heavy Rain)
05/31/22 21:00 CST	0	Source: Emergency Manager

Numerous thunderstorms repeatedly trained over portions of the extreme southeastern Texas Panhandle causing widespread flash flooding across Hall County. Several roadways were either flooded or completely washed out. Farm to Market Road 2472 near Plaska was washed out. Additionally, Farm to Market Road 1041 near Texas State Highway 256 southwest of Memphis was reportedly washed out.

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

05/31/22 19:11 CST	0.10M	Hail (2.75 in)
05/31/22 19:11 CST	0	Source: Fire Department/Rescue

The fire department in Silverton reported baseball size hail and numerous windshields destroyed.

### HALE COUNTY --- PLAINVIEW [34.20, -101.70]

05/31/22 21:11 CST	0	Hail (2.00 in)
05/31/22 21:11 CST	0	Source: Social Media

Reports from social media and local broadcast media showed hail ranging from ping pong size to two inches in diameter in Plainview. No damage was reported.

### FLOYD COUNTY --- LOCKNEY [34.12, -101.43]

05/31/22 21:28 CST	0	Hail (1.75 in)
05/31/22 21:28 CST	0	Source: Broadcast Media

Local broadcast media relayed a report of golf ball size hail in Lockney.

## Storm Data and Unusual Weather Phenomena - May 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>MOTLEY COUNTY --- 0.6 ENE MATADOR [34.02, -100.81]</b>				
	05/31/22 23:25 CST		0	Hail (1.75 in)
	05/31/22 23:25 CST		0	Source: COOP Observer

An NWS cooperative weather observer reported golf ball size hail in Matador.

<b>FLOYD COUNTY --- FLOYDADA [33.98, -101.33]</b>				
	05/31/22 23:56 CST		0	Hail (1.00 in)
	05/31/22 23:56 CST		0	Source: Broadcast Media

Local broadcast media relayed a report of quarter size hail in Floydada.

Abundant moisture, in combination with strong daytime heating, provided the fuel for robust thunderstorm development along a quasi-stationary front located across the southern Texas Panhandle late on the afternoon of the 31st. Strong instability and moderate wind shear allowed the storms which formed to quickly become severe and gain mid-level rotation. The rotating storms were efficient at generating hail, including very large hail at times. Several locations near Memphis (Hall County) and Tulia (Swisher County) reported hail as large 3 to 3.5 inches in diameter. The giant hail, bigger than baseballs, destroyed windshields on numerous vehicles on US Highway Highway 287 in Hall County. The intense and excessive rainfall flooded out a number of roadways across the southeast Texas Panhandle, including in and around Memphis. This event carried over into the early morning hours of June first.

# Storm Data and Unusual Weather Phenomena - May 2022

Location

Date/Time

Deaths &  
Injuries

Property &  
Crop Dmg

Event Type and Details





## Storm Data and Unusual Weather Phenomena - May 2022

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

*Farm to Market Road 2472 washed out in Hall County southwest of Memphis. The photograph is courtesy of Childress TXDOT.*