

## Storm Data and Unusual Weather Phenomena - May 2024

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

**HALL COUNTY --- 10.3 NNW TURKEY [34.54, -100.94]**

05/01/24 16:14 CST	0	Hail (1.75 in)
05/01/24 16:14 CST	0	Source: Park/Forest Service

A State of Texas Park Service employee reported hail up to golf ball size north of Turkey along Texas State Highway 70.

**BRISCOE COUNTY --- 11.7 NNE CAPROCK CANYONS STATE PARK [34.55, -100.96]**

05/01/24 16:27 CST	0	Hail (3.20 in)
05/01/24 16:41 CST	0	Source: Public

A photo from social media showed a hail stone which measured 3.20 inches in diameter at the intersection of Texas State Highways 256 and 70. No damage was reported.

**HALL COUNTY --- 7.1 NNW TURKEY [34.49, -100.94]**

05/01/24 16:49 CST	0	Tornado (EFU, L: 0.04 mi , W: 30 yd)
05/01/24 16:49 CST	0	Source: Storm Chaser

Several storm chasers photographed a brief tornado near Texas State Highway 70 north of Turkey.

**TERRY COUNTY --- 2.0 S BROWNFIELD [33.15, -102.28]**

05/01/24 16:54 CST	0	Thunderstorm Wind (MG 53 kt)
05/01/24 16:55 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Brownfield measured severe wind gusts of 61 mph from 1654 CST through 1655 CST.

**LUBBOCK COUNTY --- 2.0 SSW WOODROW [33.42, -101.83]**

05/01/24 17:12 CST	0	Hail (1.25 in)
05/01/24 17:12 CST	0	Source: Fire Department/Rescue

The Woodrow volunteer fire department reported hail ranging from quarter size to the size of half dollars.

**HALL COUNTY --- 2.4 WSW LESLEY [34.66, -100.84], 2.2 SW ELI [34.66, -100.64], 1.0 SSW TAMPICO [34.47, -100.74], 4.1 NNW TURKEY [34.45, -100.91], 8.8 NNW TURKEY [34.52, -100.94]**

05/01/24 17:30 CST	0	Flash Flood (due to Heavy Rain)
05/01/24 21:30 CST	0	Source: NWS Storm Survey

An NWS storm survey and law enforcement and public reports showed extensive flooding in rural Hall County generally along Farm to Market Road 657 between Turkey and Lakeview. Water was flowing over the roadway near the Little Red River and the Prairie Dog Town Fork Red River. Additionally, water was overflowing out of its banks along the Little Red River near Farm to Market Road 657. The rapidly flowing water knocked down vegetation, scoured the edges of the river bank, and washed out a power pole. Mud flows impacted areas north of Turkey along State Highway 70.

**LUBBOCK COUNTY --- 6.0 SSW WOLFFORTH [33.42, -102.06], 4.0 E NEW DEAL [33.73, -101.76]**

05/01/24 17:30 CST	0	Thunderstorm Wind (MG 63 kt)
05/01/24 18:10 CST	0	Source: Mesonet

Numerous Texas Tech University West Texas mesonet sites across Lubbock County measured a swath of severe wind gusts from 1730 CST through 1810 CST. The peak gust within this swath was 73 mph measured at the Texas Tech University West Texas mesonet site located four miles east of Lubbock. An emergency management official with the city of Lubbock reported tree limbs several inches in diameter were blown down in Mackenzie Park.

**LUBBOCK COUNTY --- 2.0 ENE WOLFFORTH [33.51, -101.99], 4.0 WSW LUBBOCK INTL ARPT [33.65, -101.88]**

05/01/24 17:40 CST	0	Hail (1.75 in)
05/01/24 17:56 CST	0	Source: Public

Numerous reports were received of a swath of hail ranging in sizes from quarters to golf balls from approximately two miles east of Wolfforth to four miles west-southwest of Lubbock International Airport. Minor damage to an automobile was reported.

**LUBBOCK COUNTY --- 2.0 NW WOODROW [33.47, -101.84]**

05/01/24 17:43 CST	0	Hail (1.50 in)
05/01/24 17:43 CST	0	Source: Public

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A public report was received of ping pong ball size hail northwest of Woodrow.				
<b>CROSBY COUNTY --- 5.0 N LORENZO [33.74, -101.53], 0.7 ENE ESTACADO [33.78, -101.51]</b>				
	05/01/24 17:59 CST		0	Thunderstorm Wind (EG 70 kt)
	05/01/24 18:09 CST		0	Source: NWS Storm Survey
An NWS storm survey revealed several irrigation center pivots overturned to the north and north-northeast of Lorenzo.				
<b>CROSBY COUNTY --- 6.0 N LORENZO [33.76, -101.53]</b>				
	05/01/24 18:10 CST		0	Tornado (EFU, L: 0.01 mi , W: 30 yd)
	05/01/24 18:10 CST		0	Source: Broadcast Media
Local broadcast media relayed a photograph of a brief rope tornado approximately six miles north of Lorenzo.				
<b>(TX-Z030) FLOYD</b>				
	05/01/24 18:20 CST		0	Strong Wind (MAX 48 kt)
	05/01/24 18:20 CST		0	
<b>GARZA COUNTY --- 5.4 SSW GRAHAM CHAPEL [33.08, -101.52]</b>				
	05/01/24 18:24 CST		0	Thunderstorm Wind (MG 53 kt)
	05/01/24 18:29 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Graham measured severe wind gusts from 1824 CST through 1829 CST. A peak wind gust of 61 mph was measured at 1829 CST.				
<b>CROSBY COUNTY --- 1.8 SSE ESTACADO [33.76, -101.50], 1.1 SE FARMER [33.77, -101.44], 1.8 N FARMER [33.81, -101.44], 1.0 N ESTACADO [33.79, -101.52]</b>				
	05/01/24 18:30 CST		0	Flash Flood (due to Heavy Rain)
	05/01/24 21:30 CST		0	Source: NWS Storm Survey
An NWS storm survey revealed several flooded fields and previously flooded roadways near Farm to Market Road 193 in northwestern Crosby County.				
<b>HALE COUNTY --- 1.0 N PLAINVIEW [34.21, -101.70]</b>				
	05/01/24 18:44 CST		0	Hail (1.50 in)
	05/01/24 18:44 CST		0	Source: Public
A public report was received of ping pong ball size hail on the north side of Plainview.				
<b>FLOYD COUNTY --- 2.0 NNE FLOYDADA [34.01, -101.32]</b>				
	05/01/24 18:51 CST		0	Thunderstorm Wind (MG 54 kt)
	05/01/24 18:55 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Floydada measured severe wind gusts from 1851 CST through 1855 CST. A peak wind gust of 62 mph was measured at 1851 CST.				
<b>HALL COUNTY --- 3.0 ENE TURKEY [34.41, -100.83], 4.1 ENE TURKEY [34.43, -100.82]</b>				
	05/01/24 18:52 CST		0	Tornado (EFU, L: 1.30 mi , W: 100 yd)
	05/01/24 18:57 CST		0	Source: Storm Chaser
Numerous storm chasers photographed a tornado northeast of Turkey and to the south of the intersection of Texas State Highway 86 and County Road 8. The tornado remained over open country and caused no known damage.				
<b>MOTLEY COUNTY --- 2.0 E FLOMOT [34.22, -100.94]</b>				
	05/01/24 19:00 CST		0	Thunderstorm Wind (EG 70 kt)
	05/01/24 19:20 CST		0	Source: COOP Observer
An NWS cooperative weather observer estimated wind gusts of 80 mph lasting for approximately 20 minutes. No damage was reported.				
<b>DICKENS COUNTY --- 3.0 NNW MC ADOO [33.77, -101.00]</b>				
	05/01/24 19:02 CST		0	Thunderstorm Wind (MG 60 kt)
	05/01/24 19:02 CST		0	Source: Mesonet

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A Texas Tech University West Texas mesonet site near McAdoo measured a wind gust of 69 mph.

**HALL COUNTY --- 2.2 WSW TURKEY [34.39, -100.91]**

05/01/24 19:05 CST			0	Thunderstorm Wind (MG 54 kt)
05/01/24 19:22 CST			0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Turkey measured severe wind gusts from 1905 CST through 1922 CST. A peak wind gust of 62 mph was measured at 1922 CST.

**MOTLEY COUNTY --- 3.0 N ROARING SPGS [33.94, -100.85]**

05/01/24 19:28 CST			0	Thunderstorm Wind (MG 50 kt)
05/01/24 19:28 CST			0	Source: Mesonet

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

**HALL COUNTY --- 2.0 S LESLEY [34.64, -100.80]**

05/01/24 19:34 CST			0	Thunderstorm Wind (MG 51 kt)
05/01/24 19:34 CST			0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Lesley measured a wind gust of 59 mph.

**(TX-Z025) HALL, (TX-Z030) FLOYD**

05/01/24 19:35 CST			0	High Wind (MAX 56 kt)
05/01/24 21:11 CST			0	

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

05/01/24 19:53 CST			0	Thunderstorm Wind (MG 70 kt)
05/01/24 19:56 CST			0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Jayton measured severe wind gusts from 1953 CST through 1956 CST. A peak wind gust of 80 mph was measured at 1954 CST.

Numerous severe thunderstorms developed on the afternoon of the first in advance of a short wave trough moving across southern New Mexico and northern Chihuahua. A dryline initially positioned near the Texas/New Mexico state line early in the morning, mixed eastward through the day, settling along and just east of the Interstate 27/US Highway 87 corridor. Scattered thunderstorms initially developed along this dryline late in the afternoon where extremely high surface dew points in the upper 60s to lower 70s were observed. A strong elevated mixed layer existed above the moist low level air which allowed for explosive convective development once the cap was breached. Most unstable parcels were estimated in excess of 4000 Joules per kg of instability based off of rapid refresh model soundings. Severe wind and hail reports were observed from the southeastern Texas Panhandle through the central and southwestern South Plains. Low level winds significantly backed to the east in the extreme southeastern Texas Panhandle, ahead of a surface low, increasing low level wind shear beneath supercell thunderstorms. A few of these supercells were able to produce tornadoes but no known damage occurred with them due to the tornadoes remaining over open country. One supercell in particular produced a tornado, very large hail, and flash flooding in Hall County. This supercell became very slow moving once over western Hall County and produced an estimated 3-9 inches of rainfall. Much of this rainfall was over rural areas but did cause flash flooding near Farm to Market 657 near the Little Red River and Prairie Dog Town Fork Red River. Another supercell thunderstorm produced severe wind gusts in northwestern Crosby County, overturning irrigation center pivots. This storm produced an estimated three to four inches of rainfall in a short time period which caused flash flooding. Additionally, wake lows developed behind the departing convection which produced a couple of severe wind reports.

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

64 mph at South Plains (Floyd County) and  
59 mph at Memphis (Hall County).

**KING COUNTY --- 7.0 SSE GUTHRIE [33.52, -100.30]**

05/02/24 16:24 CST			0	Hail (1.00 in)
05/02/24 16:24 CST			0	Source: Storm Chaser

A storm chaser reported quarter size hail south of Guthrie along US Highway 83.

Extremely moisture rich air remained in place on the afternoon of the second following an outbreak of severe weather the previous afternoon. However, a cold front was slowly sagging southward through West Texas during the daytime hours. At the same time, a dryline was mixing eastward into the Rolling Plains. Convergence near the intersection of the cold front and dryline was able to take advantage of a very unstable atmosphere. Several isolated thunderstorms developed near this intersection with one of these storms

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<b>becoming severe in King County.</b>				
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<b>GARZA COUNTY --- 5.5 ENE JUSTICEBURG [33.05, -101.11]</b>	05/03/24 15:12 CST		0	Hail (1.75 in)
	05/03/24 15:12 CST		0	Source: Public
A webcam feed near Lake Alan Henry showed hail up to golf ball size.				
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<b>HALE COUNTY --- 2.8 N HALE CENTER [34.11, -101.83]</b>	05/03/24 15:35 CST		0	Tornado (EFU, L: 0.01 mi , W: 30 yd)
	05/03/24 15:35 CST		0	Source: NWS Employee
An off-duty NWS employee and a trained spotter reported a brief tornado north of Hale Center that remained over an open field.				
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<b>CROSBY COUNTY --- 2.3 NNE WHITE RIVER LAKE [33.49, -101.07]</b>	05/03/24 16:04 CST		0	Hail (1.75 in)
	05/03/24 16:04 CST		0	Source: COOP Observer
An NWS cooperative weather observer reported golf ball size hail at White River Lake.				
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<b>DICKENS COUNTY --- DICKENS [33.62, -100.83]</b>	05/03/24 16:29 CST		0	Hail (2.00 in)
	05/03/24 16:29 CST		0	Source: Broadcast Media
Local broadcast media relayed a report of hail up to two inches in diameter in Dickens. No damage was reported.				
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<b>DICKENS COUNTY --- 2.0 WSW AFTON [33.74, -100.83]</b>	05/03/24 16:48 CST		0	Hail (0.75 in)
	05/03/24 16:48 CST		0	Source: Public
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<b>MOTLEY COUNTY --- 1.7 S WHITEFLAT [34.08, -100.88]</b>	05/03/24 17:48 CST		0	Hail (1.50 in)
	05/03/24 17:48 CST		0	Source: Storm Chaser
A storm chaser reported ping pong ball size hail along Texas State Highway 70 north of Matador.				
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<b>BRISCOE COUNTY --- QUITAQUE [34.37, -101.05]</b>	05/03/24 18:19 CST		0	Hail (3.50 in)
	05/03/24 18:19 CST		0	Source: Fire Department/Rescue
The volunteer fire department in Quitaque and officials with Caprock Canyons State Park reported hail up to 3.50 inches in diameter in Quitaque. No damage was reported.				
<b>A third consecutive day of severe storms impacted the region on the afternoon and evening of the third. An approaching upper level jet streak aided in the development of thunderstorms along a dryline draped from north to south over the eastern South Plains. A very moist airmass that had been present the previous couple of days remained in place. Under strong heating in the eastern South Plains, storms were able to take advantage of ample instability in place and quickly became severe. One supercell thunderstorm produced hail up to 3.50 inches in diameter in Quitaque (Briscoe County). A supercell thunderstorm north of Cotton Center (Hale County) produced a brief tornado before dissipating.</b>				
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<b>HALE COUNTY --- 3.0 SW PLAINVIEW [34.17, -101.74]</b>	05/15/24 15:28 CST		0	Hail (1.75 in)
	05/15/24 15:28 CST		0	Source: Public
A member of the public reported hail up to golf ball size on the southwest side of Plainview.				
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<b>HALE COUNTY --- 1.0 S PLAINVIEW [34.19, -101.70]</b>	05/15/24 15:32 CST		0	Thunderstorm Wind (MG 68 kt)
	05/15/24 15:32 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Plainview measured a severe wind gust of 78 mph.				

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<b>(TX-Z035) LUBBOCK, (TX-Z036) CROSBY, (TX-Z041) LYNN</b>				
	05/15/24 18:14 CST		0	High Wind (MAX 64 kt)
	05/15/24 19:33 CST		0	
<b>HOCKLEY COUNTY --- 6.0 SSW ANTON [33.74, -102.21]</b>				
	05/16/24 00:00 CST		0	Thunderstorm Wind (MG 50 kt)
	05/16/24 00:00 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Anton measured a severe wind gust of 58 mph.				
<b>FLOYD COUNTY --- 9.0 SE FLOYDADA [33.89, -101.22]</b>				
	05/16/24 00:25 CST		0	Hail (1.75 in)
	05/16/24 00:25 CST		0	Source: COOP Observer
An NWS cooperative weather observer southeast of Floydada reported hail up to golf ball size.				
<b>LUBBOCK COUNTY --- 4.0 NNE SHALLOWATER [33.73, -101.95]</b>				
	05/16/24 00:26 CST		0	Thunderstorm Wind (MG 50 kt)
	05/16/24 00:26 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Shallowater measured a severe wind gust of 58 mph.				
<b>DICKENS COUNTY --- 3.0 NNW MC ADOO [33.77, -101.00]</b>				
	05/16/24 01:57 CST		0	Thunderstorm Wind (MG 58 kt)
	05/16/24 01:58 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near McAdoo measured severe wind gusts from 0157 CST through 0158 CST. A peak wind gust of 67 mph was measured at 0158 CST.				
<p><b>A storm system emerging from the Four Corners region, in combination with a southward sagging cold front, served as triggers for thunderstorm development across the southern High Plains on the afternoon of the 15th. Initial thunderstorm development occurred along a frontal boundary that extended from southwest Oklahoma into the northwestern South Plains and southeast New Mexico. Hot conditions south of the front and modest moisture levels led to high-based thunderstorms. The atmosphere was characterized by inverted-V soundings which led to strong to severe wind gusts with the dry sub-cloud layer in place. Strong outflow winds helped spark additional thunderstorms as the activity propagated eastward. These outflow winds raced well ahead of the cluster of thunderstorms producing severe wind gusts. After a relative lull in storm coverage and intensity late on the 15th, additional rounds of strong to severe thunderstorms moved across the northern South and Rolling Plains through early in the morning on the 16th.</b></p>				
High wind gusts from the Texas Tech University West Texas mesonet network are below:				
74 mph at Wolfforth (Lubbock County),				
69 mph at New Home (Lynn County), and				
58 mph at White River Lake (Crosby County).				
<b>GARZA COUNTY --- 7.3 ENE JUSTICEBURG [33.07, -101.08]</b>				
	05/16/24 12:21 CST		0	Hail (1.00 in)
	05/16/24 12:21 CST		0	Source: Public
A live webcam showed hail up to the size of quarters.				
<b>YOAKUM COUNTY --- 3.0 N PLAINS [33.22, -102.83]</b>				
	05/16/24 15:35 CST		0	Thunderstorm Wind (MG 59 kt)
	05/16/24 15:37 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Plains measured severe wind gusts from 1535 CST through 1537 CST. A peak wind gust of 68 mph was measured at 1535 CST.				
<b>HOCKLEY COUNTY --- 6.0 NNW LEVELLAND [33.66, -102.41]</b>				
	05/16/24 16:13 CST		0	Thunderstorm Wind (MG 53 kt)
	05/16/24 16:13 CST		0	Source: Emergency Manager
An emergency management official in Hockley County measured a wind gust of 61 mph.				

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<b>LUBBOCK COUNTY --- 4.0 NNE SHALLOWATER [33.73, -101.95], LUBBOCK INTL ARPT [33.67, -101.82]</b>				
	05/16/24 16:56 CST		0	Thunderstorm Wind (MG 55 kt)
	05/16/24 17:03 CST		0	Source: Mesonet
<p>A swath of severe thunderstorms winds impacted an area from north of Shallowater to Lubbock Preston Smith International Airport . A Texas Tech University West Texas mesonet site near Shallowater measured a severe wind gust of 63 mph at 1656 CST. The Automated Surface Observing System (ASOS) at Lubbock Preston Smith International Airport measured a severe wind gust of 59 mph at 1703 CST.</p>				
<b>HALE COUNTY --- (PVW)HALE CO ARPT [34.17, -101.72], 1.0 S PLAINVIEW [34.19, -101.70]</b>				
	05/16/24 17:27 CST		0	Thunderstorm Wind (MG 52 kt)
	05/16/24 17:30 CST		0	Source: AWOS
<p>A swath of severe thunderstorm winds occurred in Plainview measured by the Automated Weather Observing System (AWOS) and Texas Tech University West Texas mesonet. The AWOS at the Hale County Airport measured a wind gust of 60 mph at 1730 CST while the Texas Tech University West Texas mesonet near Plainview measured a wind gust of 58 mph at 1727 CST.</p> <p><b>A second consecutive day of severe storms occurred on the South Plains of West Texas on the 16th. An upper level low pressure system was slowly moving across central New Mexico during the afternoon bringing increasing lift over the region. A cold front reinforced outflow boundary had pushed well to the south of the area during the day leaving the region in cooler near surface air. Thunderstorms initially developed over eastern New Mexico closer to the upper low and where sunshine allowed instability to grow. As storms propagated to the east into the South Plains, they weakened due to the cooler and more stable conditions. However, some of the storms became strong enough to produce severe wind gusts on the caprock.</b></p>				
<b>(TX-Z031) MOTLEY</b>				
	05/22/24 04:28 CST		0	High Wind (MAX 50 kt)
	05/22/24 04:28 CST		0	
<p>During the early morning hours of the 22nd, a strong cold front moved through the region. Strong winds existed behind the front and produced a high wind gust of 58 mph at a Texas Tech University West Texas mesonet site near Roaring Springs.</p>				
<b>CHILDRESS COUNTY --- 17.0 N CHILDRESS [34.67, -100.20], 22.0 NE CHILDRESS [34.65, -99.93]</b>				
	05/23/24 15:38 CST		0	Hail (2.00 in)
	05/23/24 15:50 CST		0	Source: Storm Chaser
<p>A swath of severe hail was reported from US Highway 83 north of Childress to approximately 22 miles northeast of Childress. Most hail ranged in size from quarters to ping pong balls but some were estimated to be two inches in diameter. No damage was reported.</p> <p><b>Robust moisture advection occurred on the morning of the 23rd and into the afternoon across the Rolling Plains resulting in surface dewpoints in the lower 70s. This created strong surface convergence along a dryline located from the southeastern Texas Panhandle into the Rolling Plains. Strong heating into the lower 90s created stout instability for thunderstorms to take advantage of. One isolated storm produced severe hail up to two inches in diameter in rural northern Childress County.</b></p>				
<b>TERRY COUNTY --- WELLMAN [33.05, -102.43]</b>				
	05/28/24 13:25 CST		0	Hail (1.00 in)
	05/28/24 13:35 CST		0	Source: Public
<p>The Southwest Cotton Growers in Wellman reported quarter size hail that lasted for ten minutes.</p>				
<b>BAILEY COUNTY --- 7.7 NNW BAILEYBORO [34.13, -102.87], 5.1 N BAILEYBORO [34.10, -102.83]</b>				
	05/28/24 13:33 CST		0	Hail (2.50 in)
	05/28/24 13:42 CST		0	Source: Storm Chaser
<p>Multiple storm chasers reported a swath of hail approximately seven to nine miles northwest of Needmore. Hail ranged in sizes from golf ball size to tennis ball size. No damage was reported.</p>				
<b>PARMER COUNTY --- 1.0 WSW FRIONA [34.62, -102.75]</b>				
	05/28/24 14:39 CST		0	Hail (1.50 in)
	05/28/24 14:39 CST		0	Source: Storm Chaser
<p>A storm chaser reported ping pong ball size hail just to the southwest of Friona.</p>				
<b>LAMB COUNTY --- 5.4 E AMHERST [34.02, -102.33]</b>				

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	05/28/24 14:54 CST		0	Hail (0.75 in)
	05/28/24 14:54 CST		0	Source: Storm Chaser

**BAILEY COUNTY --- 1.7 SSE ENOCHS [33.85, -102.76], 1.0 SE ENOCHS [33.86, -102.76]**

05/28/24 14:58 CST	0	Hail (2.00 in)
05/28/24 15:06 CST	0	Source: Storm Chaser

Several storm chasers reported hail along Texas State Highway 214 south of Enochs. Reported hail ranged in size from half dollar to two inches in diameter. No damage was reported.

**HOCKLEY COUNTY --- 2.8 SSE SUNDOWN [33.41, -102.49]**

05/28/24 15:03 CST	0	Hail (1.25 in)
05/28/24 15:03 CST	0	Source: Storm Chaser

A storm chaser reported half dollar size hail south of Sundown along Farm to Market Road 303.

**HOCKLEY COUNTY --- 1.0 S PEP [33.81, -102.57], 4.5 ESE PEP [33.79, -102.50]**

05/28/24 15:23 CST	0	Hail (3.00 in)
05/28/24 15:57 CST	0	Source: State Official

Numerous storm chasers reported a swath of hail ranging in size from golf balls up to three inches in diameter. No damage was reported.

**PARMER COUNTY --- 5.9 NNW FRIONA BENDER ARPK [34.73, -102.73]**

05/28/24 15:30 CST	0	Hail (0.88 in)
05/28/24 15:30 CST	0	Source: Storm Chaser

**(TX-Z021) PARMER, (TX-Z022) CASTRO, (TX-Z028) LAMB, (TX-Z029) HALE**

05/28/24 16:02 CST	0	High Wind (MAX 70 kt)
05/28/24 23:53 CST	0	

**TERRY COUNTY --- 2.7 E MEADOW [33.33, -102.15], 3.7 E MEADOW [33.33, -102.14]**

05/28/24 16:10 CST	0	Hail (2.75 in)
05/28/24 16:12 CST	0	Source: Storm Chaser

Several storm chasers reported a swath of hail east of Meadow ranging in size from golf ball to baseball size. No damage was reported.

**HOCKLEY COUNTY --- 4.0 N WHITHARRAL [33.79, -102.33]**

05/28/24 16:25 CST	0	Hail (1.75 in)
05/28/24 16:25 CST	0	Source: Storm Chaser

A storm chaser reported golf ball size hail north of Whitharral along US Highway 385.

**LYNN COUNTY --- 2.4 WNW PETTY [33.30, -102.02]**

05/28/24 16:26 CST	0	Hail (1.25 in)
05/28/24 16:26 CST	0	Source: Storm Chaser

A storm chaser reported half dollar size hail along Farm to Market Road 179 southwest of New Home.

**HOCKLEY COUNTY --- ANTON [33.82, -102.17]**

05/28/24 16:51 CST	0	Hail (1.00 in)
05/28/24 16:51 CST	0	Source: Public

A report from the public was received of quarter size hail in Anton.

**HOCKLEY COUNTY --- 0.3 ENE PETTIT [33.70, -102.52], 2.5 S SMYER [33.54, -102.16]**

05/28/24 16:58 CST	0	Hail (5.00 in)
05/28/24 18:21 CST	0	Source: Storm Chaser

Numerous storm chasers reported a long lived swath of giant hail from approximately eight miles south of Pep through three miles south of Smyer. Near the beginning of this swath of hail along Farm to Market 303 near Petit, a storm chaser relayed a video of hail that measured five inches in diameter. Hail ranging in size from two to three inches in diameter substantially affected the city of Levelland causing extensive damage .

## Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>LYNN COUNTY --- TAHOKA [33.18, -101.78], 1.2 SW TAHOKA T BAR ARPT [33.17, -101.83]</b>				
	05/28/24 17:06 CST		0	Hail (2.75 in)
	05/28/24 17:23 CST		0	Source: COOP Observer
Storm chasers and an NWS cooperative weather observer observed a swath of hail ranging in size from quarters to baseballs from approximately three miles west of Tahoka into the city of Tahoka.				
<b>COCHRAN COUNTY --- 3.0 N MORTON [33.76, -102.77], 3.0 NE MORTON [33.75, -102.73]</b>				
	05/28/24 17:45 CST		0	Hail (2.00 in)
	05/28/24 17:53 CST		0	Source: Storm Chaser
Storm chasers reported a swath of hail north of Morton with sizes ranging from quarters to two inches in diameter. No damage was reported.				
<b>LUBBOCK COUNTY --- 1.0 N WOLFFORTH [33.51, -102.02], 3.0 E WOLFFORTH [33.50, -101.97]</b>				
	05/28/24 18:22 CST		0	Hail (1.75 in)
	05/28/24 18:43 CST		0	Source: Public
Numerous reports were received of a swath of hail in and around Wolfforth ranging from the size of peas to golf balls.				
<b>LYNN COUNTY --- 2.0 WNW WILSON [33.33, -101.76]</b>				
	05/28/24 19:08 CST		0	Hail (1.75 in)
	05/28/24 19:08 CST		0	Source: Storm Chaser
A storm chaser reported golf ball size hail west of Wilson.				
<b>COCHRAN COUNTY --- 2.0 NE MORTON [33.74, -102.75]</b>				
	05/28/24 23:54 CST		0	Thunderstorm Wind (MG 54 kt)
	05/28/24 23:55 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Morton measured severe wind gusts from 2354 CST through 2355 CST. A peak wind gust of 62 mph was measured at 2354 CST.				
<b>HOCKLEY COUNTY --- 3.0 NW LEVELLAND [33.61, -102.41], 2.0 ESE LEVELLAND [33.57, -102.34]</b>				
	05/29/24 00:30 CST		0	Thunderstorm Wind (EG 104 kt)
	05/29/24 00:40 CST	8	0	Source: NWS Storm Survey
An NWS storm survey team observed damage to utility poles, trees, and center pivots in and around Levelland. Damage escalated in both coverage and intensity east of US Highway 385 with a concentrated area of damage noted in and around Kauffman Park. Here, winds of 90 mph to 120 mph caused partial failures to some roofs and completely destroyed several wooden outbuildings. Many homes and vehicles suffered broken windows with roughly one dozen trees uprooted. One home lost roughly 30 percent of its roof and insulation while a wooden framed workshop in its backyard was completely destroyed and blown two homes away. Numerous wooden and metal fences were also heavily damaged or destroyed. The Penny Newman cotton gin on the east side of Levelland suffered total destruction from winds estimated around 110 mph.				
<b>HOCKLEY COUNTY --- 2.0 W ROPESVILLE [33.42, -102.18]</b>				
	05/29/24 01:00 CST		0	Hail (1.00 in)
	05/29/24 01:00 CST		0	Source: Public
A public report was received of quarter size hail west of Ropesville.				
<b>LUBBOCK COUNTY --- 6.0 SSW WOLFFORTH [33.42, -102.06]</b>				
	05/29/24 01:17 CST		0	Thunderstorm Wind (MG 51 kt)
	05/29/24 01:18 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Wolfforth measured severe wind gusts from 0117 CST through 0118 CST. A peak wind gust of 59 mph was measured at 0117 CST.				
<b>LYNN COUNTY --- 3.0 NNE TAHOKA [33.22, -101.76]</b>				
	05/29/24 01:53 CST		0	Thunderstorm Wind (MG 83 kt)
	05/29/24 02:02 CST		0	Source: Mesonet



## Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A Texas Tech University West Texas mesonet site near Tahoka	measured severe wind gusts from 0153 CST through 0202 CST.			A peak wind gust of 95 mph was measured at 0156 CST. A storm survey team observed 20 center pivots flipped over and damaged along with several newly installed power poles primarily on the north and east sides of Tahoka . In Tahoka, damage was relegated to some uprooted trees and numerous fallen tree limbs, with some minor structural damage noted to roofs and siding. No additional damage indicators were available beyond US Highway 380 and County Road Y east of Tahoka.

A dryline, in combination with a westward moving outflow boundary, served as a focus for thunderstorm development on the afternoon of the 28th. Initial thunderstorm activity formed over the western South Plains and southwest Texas Panhandle where the outflow boundary met the dryline. Warm temperatures into the 90s combined with good low level moisture to create a very unstable atmosphere. Strong vertical wind shear allowed thunderstorms to rotate and split creating left and right moving supercells as well as very large hail. One particularly robust supercell thunderstorm generated giant hail over the west-central South Plains. Hail as large as DVDs were observed from a storm as it tracked slowly southeastward through Hockley County. Outside of the primary thunderstorm cores, strong and severe wind gusts occurred on the backside of a decaying rain area over the south-central Texas Panhandle. These severe winds toppled some utility lines and center pivots near Plainview and Hale Center (Hale County).

A long-lived supercell thunderstorm developed near Tucumcari, New Mexico on the evening of the 28th and proceeded to move south and southeast overnight into the early morning hours of the 29th. As this storm entered western Bailey County in Texas around 2300 CST, it transitioned into a bow echo that continued to move southeast for the next four hours accompanied by destructive winds, wind-driven hail, and torrential rain. The storm finally weakened to below severe limits near Snyder around 0330 CST. The most destructive straight-line winds occurred in Levelland (Hockley County) from around 0030 CST until 0040 CST, with a second swath of intense winds impacting Tahoka (Lynn County) shortly before 0200 CST. An NWS storm survey team documented extensive wind damage primarily on the north and east sides of Levelland, with additional damage also occurring in and around Tahoka. In addition to wind damage, a few homes in Levelland had floodwaters infiltrate the structures resulting in water damage with many more suffering rainwater damage from broken windows or damaged roofs. A total of eight people in Levelland received minor injuries from broken glass but all were released from treatment.

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

- 80 mph at Olton (Lamb County),
- 78 mph at Aiken (Hale County),
- 71 mph at Hart (Castro County),
- 70 mph at Plainview (Hale County), and
- 60 mph at Friona (Parmer County).

## Storm Data and Unusual Weather Phenomena - May 2024

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

*Giant hail that fell northwest of Levelland. The picture is courtesy of Matthew Cappucci.*

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**(TX-Z021) PARMER**

05/29/24 23:21 CST	0	High Wind (MAX 57 kt)
05/29/24 23:45 CST	0	

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**BRISCOE COUNTY --- 7.0 ESE SILVERTON [34.43, -101.19]**

05/30/24 01:41 CST	0	Thunderstorm Wind (MG 51 kt)
05/30/24 01:43 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Silverton measured severe wind gusts from 0141 CST through 0143 CST. A peak wind gust of 59 mph was measured at 0143 CST.

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**CHILDRESS COUNTY --- (CDS)CHILDRESS ARPT [34.43, -100.30], 2.0 NNE CHILDRESS [34.45, -100.19]**

05/30/24 07:41 CST	0	Thunderstorm Wind (MG 70 kt)
05/30/24 07:46 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Childress measured severe wind gusts from 0741 CST through 0746 CST. A peak wind gust of 81 mph was measured at 0744 CST. Additionally, the Automated Surface Observing System at Childress Municipal Airport measured a wind gust of 63 mph at 0745 CST. The severe winds caused the partial collapse of a greenhouse and the partial loss of a roof to a motel.

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**CHILDRESS COUNTY --- 1.0 NW CHILDRESS [34.43, -100.21]**

## Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/30/24 07:51 CST		0	Hail (1.25 in)
	05/30/24 07:51 CST		0	Source: Public

A report from the public was received of half dollar size hail in Childress.

**Multiple mesoscale convective systems affected portions of the extreme southern Texas Panhandle during the morning hours of the 30th. The first MCS primarily affected Briscoe County where severe winds were measured by the Texas Tech University West Texas mesonet site near Silverton. In the wake of this initial storm complex, light rain showers caused a high wind gust near Friona (Parmer County) of 66 mph. Following quickly on the heels of this activity, a line of thunderstorms plunged southeastward across the southeast Texas Panhandle and into the northern and central Rolling Plains after daybreak on the 30th. This second round of thunderstorms affected the Childress (Childress County) area after daybreak with strong winds and hail as large as half dollars.**

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### COCHRAN COUNTY --- BLEDSOE [33.62, -103.02], 1.7 W BLEDSOE [33.62, -103.05]

05/30/24 15:14 CST	0	Hail (1.75 in)
05/30/24 15:32 CST	0	Source: NWS Employee

An off-duty NWS employee and several storm chasers reported hail in the vicinity of Bledsoe ranging from the size of quarters to golf balls.

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### YOAKUM COUNTY --- 1.0 SW DENVER CITY [32.96, -102.86], 5.2 N DENVER CITY ARPT [33.04, -102.82]

05/30/24 16:49 CST	0	Hail (3.50 in)
05/30/24 17:05 CST	0	Source: NWS Employee

An off-duty NWS employee and numerous storm chasers reported a swath of hail from southwest of Denver City to approximately four miles north of Denver City. Hail ranged in sizes from golf balls to 3.50 inches in diameter. No damage was reported.

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### (TX-Z028) LAMB

05/30/24 17:18 CST	0	High Wind (MAX 54 kt)
05/30/24 18:17 CST	0	

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### COCHRAN COUNTY --- 13.2 S LEHMAN [33.43, -102.82]

05/30/24 17:23 CST	0	Hail (2.00 in)
05/30/24 17:23 CST	0	Source: Storm Chaser

A storm chaser reported hail as large as two inches in diameter along Texas State Highway 214 north of the Cochran/Yoakum County line. No damage was reported.

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### YOAKUM COUNTY --- 0.6 SE DENVER CITY ARPT [32.96, -102.82]

05/30/24 18:25 CST	0	Hail (1.75 in)
05/30/24 18:34 CST	0	Source: Law Enforcement

Law enforcement and storm chasers reported golf ball size hail in the town of Denver City.

**Severe thunderstorms developed once again on the afternoon of the 30th in a multi-day severe weather outbreak. Very warm temperatures developed in eastern New Mexico into the western South Plains during the afternoon of the 30th. Thunderstorms initially developed along an outflow boundary left over from a morning mesoscale convective system. Storms quickly became supercellular and severe as they were able to take advantage of the available instability and produced hail up to 3.50 inches in diameter. Light rain showers in the wake of dissipating storms produced high winds in Lamb County.**

High winds from the Texas Tech University West Texas mesonet are listed below:

**62 mph at Olton (Lamb County) and  
59 mph at Amherst (Lamb County).**

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### HOCKLEY COUNTY --- 5.0 W ANTON [33.82, -102.26], SMYER [33.58, -102.17]

05/31/24 20:28 CST	0	Thunderstorm Wind (MG 79 kt)
05/31/24 21:08 CST	0	Source: Mesonet

A storm chaser's vehicle mounted observing equipment measured a wind gust to 76 mph at 2028 CST west of Anton. A few minutes later at 2033 CST, a Texas Tech University West Texas mesonet site south of Anton begin to measure wind gusts lasting through 2051 CST. A peak wind gust of 91 mph was measured at 2039 CST. The severe winds continued to move south affecting another Texas Tech University West Texas mesonet site near Smyer from 2052 CST through 2108 CST. The site near Smyer measured a peak wind gust of 81 mph at 2052 CST.

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### LUBBOCK COUNTY --- 4.0 NNE SHALLOWATER [33.73, -101.95], 4.0 E LUBBOCK [33.58, -101.78]

## Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/31/24 20:53 CST		0	Thunderstorm Wind (MG 70 kt)
	05/31/24 21:49 CST		0	Source: Mesonet
<p>A large swath of severe thunderstorm winds affected a substantial portion of Lubbock County including most of the city of Lubbock . Numerous Texas Tech University West Texas mesonet sites measured severe wind gusts from 2053 CST through 2149 CST. The first severe wind gust was measured near Shallowater at 2053 CST while the final severe wind gust was measured at 2149 CST by a mesonet four miles east of Lubbock. Additionally, the Automated Surface Observing System at Lubbock International Airport measured severe wind gusts from 2120 CST through 2126 CST with a maximum wind gust of 72 mph at 2126 CST. Maximum wind gusts from the Texas Tech University West Texas mesonets are listed below :</p> <p>81 mph at Reese Center, 68 mph at Shallowater, 64 mph at Lubbock 4SE, 63 mph at New Deal, and 62 mph at Lubbock 4E.</p>				
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<b>HOCKLEY COUNTY --- 4.0 S LEVELLAND [33.52, -102.37]</b>				
	05/31/24 21:02 CST		0	Thunderstorm Wind (MG 56 kt)
	05/31/24 21:09 CST		0	Source: Mesonet
<p>A Texas Tech University West Texas mesonet site near Levelland measured severe wind gusts from 2102 CST through 2109 CST. A peak wind gust of 64 mph was measured at 2102 CST.</p>				
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<b>LUBBOCK COUNTY --- 6.0 SSW WOLFFORTH [33.42, -102.06]</b>				
	05/31/24 21:18 CST		0	Thunderstorm Wind (MG 68 kt)
	05/31/24 21:30 CST		0	Source: Mesonet
<p>A Texas Tech University West Texas mesonet site near Wolfforth measured severe wind gusts from 2118 CST through 2130 CST. A peak wind gust of 78 mph was measured at 2119 CST. Additionally, several irrigation center pivots were overturned south of the observed severe wind gust. An NWS employee reported an eight inch diameter tree was snapped off at it's base.</p>				
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<b>COCHRAN COUNTY --- 14.6 S WHITEFACE [33.39, -102.61]</b>				
	05/31/24 21:21 CST		0	Thunderstorm Wind (MG 51 kt)
	05/31/24 21:27 CST		0	Source: Mesonet
<p>A Texas Tech University West Texas mesonet site near Sundown measured severe wind gusts from 2121 CST through 2127 CST. A peak wind gust of 59 mph was measured at 2127 CST.</p>				
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<b>LUBBOCK COUNTY --- 3.0 E WOLFFORTH [33.50, -101.97]</b>				
	05/31/24 21:30 CST		0	Hail (1.25 in)
	05/31/24 21:30 CST		0	Source: Social Media
<p>A photograph on social media showed half-dollar size hail in southwest Lubbock.</p>				
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<b>LUBBOCK COUNTY --- 2.1 NE WOLFFORTH [33.52, -101.99], 5.7 WSW SLIDE [33.39, -101.99], 3.5 SW SLATON [33.39, -101.69], 1.8 S BURRIS [33.50, -101.78]</b>				
	05/31/24 21:37 CST		0	Flash Flood (due to Heavy Rain)
	05/31/24 23:50 CST		0	Source: Public
<p>An intense portion of a line of severe thunderstorms produced heavy rainfall over southwestern Lubbock County into northern Lynn County . Numerous reports were received of water over area roadways.</p>				
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<b>LYNN COUNTY --- 5.4 NE LAKEVIEW [33.39, -101.99], 1.4 SSW PETTY [33.26, -101.99], 4.4 NNW NEW LYNN [33.26, -101.69], 5.5 NNE WILSON [33.39, -101.69]</b>				
	05/31/24 21:37 CST		0	Flash Flood (due to Heavy Rain)
	05/31/24 23:50 CST		0	Source: Public
<p>An intense portion of a line of severe thunderstorms produced heavy rainfall over southwestern Lubbock County into northern Lynn County . Numerous reports were received of water over area roadways.</p>				
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<b>YOAKUM COUNTY --- 0.7 NE DENVER CITY [32.98, -102.84]</b>				
	05/31/24 21:55 CST		0	Thunderstorm Wind (MG 52 kt)
	05/31/24 21:55 CST		0	Source: AWOS

An Automated Weather Observing System at the Denver City Airport measured a wind gust of 60 mph.

## Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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**LYNN COUNTY --- 3.0 NNE TAHOKA [33.22, -101.76]**

05/31/24 22:02 CST			0	Thunderstorm Wind (MG 57 kt)
05/31/24 22:20 CST			0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Tahoka measured severe wind gusts from 2202 CST through 2220 CST. A peak wind gust of 66 mph was measured at 2202 and 2203 CST. Additionally, damage to several structures were reported on the south side of Tahoka.

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**TERRY COUNTY --- 2.0 S BROWNFIELD [33.15, -102.28]**

05/31/24 22:04 CST			0	Thunderstorm Wind (MG 56 kt)
05/31/24 22:11 CST			0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Brownfield measured severe wind gusts from 2204 CST through 2211 CST. A peak wind gust of 64 mph was measured at 2211 CST.

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**LYNN COUNTY --- 1.0 N O'DONNELL [32.98, -101.83]**

05/31/24 22:36 CST			0	Thunderstorm Wind (MG 61 kt)
05/31/24 22:45 CST			0	Source: Mesonet

A Texas Tech University West Texas mesonet site near O'Donnell measured severe wind gusts from 2236 CST through 2245 CST. A peak wind gust of 70 mph was measured at 2239 CST.

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**GARZA COUNTY --- 5.4 SSW GRAHAM CHAPEL [33.08, -101.52]**

05/31/24 22:50 CST			0	Thunderstorm Wind (MG 53 kt)
05/31/24 22:54 CST			0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Graham measured severe wind gusts from 2250 CST through 2254 CST.

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

05/31/24 23:02 CST			0	Thunderstorm Wind (MG 50 kt)
05/31/24 23:05 CST			0	Source: Mesonet

A Texas Tech University West Texas mesonet site near White River Lake measured severe wind gusts of 58 mph from 2302 CST through 2305 CST.

**Another day of severe thunderstorms affected the South Plains of West Texas on the evening of the 31st. Broad southeasterly low level atmospheric flow allowed thunderstorms to initially develop in eastern New Mexico. Upscale growth allowed thunderstorms to move into West Texas despite a capped atmosphere over the South Plains. This line of thunderstorms produced widespread severe wind gusts from Hockley County through Lubbock, Lynn, and Garza Counties. The city of Tahoka in Lynn County sustained the most damage due to these strong winds as several structures were damaged. Additionally, pockets of heavy rainfall were observed which caused flash flooding in Lubbock and Lynn Counties.**