

## Storm Data and Unusual Weather Phenomena - June 2022

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

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(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-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	06/01/22 00:00 CST	0	0	Drought
	06/30/22 22:59 CST		0	

Significant improvements in long term drought conditions during the month of May were rolled back during June. A portion of Lubbock and Hockley Counties remained in moderate (D1) drought conditions from abundant rainfall through May. However, many areas that were previously in severe (D2) drought conditions degraded back in to extreme (D3) drought conditions.

Widespread precipitation events we saw during May came to an abrupt end in early June. Most areas saw zero to only 50 percent of normal precipitation. Rain that did fall during the month was hit and miss which is typical of summertime events. This has led to worsening conditions for most crop and rangelands across the region. Additionally, fuels have begun to dry again with ERC values once again exceeding the 90th percentile. However, with surface moisture remaining in place and light surface winds, the overfall fire weather threat was low.

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

06/01/22 00:09 CST	0	0	Hail (1.75 in)
06/01/22 00:09 CST		0	Source: COOP Observer

An NWS cooperative weather observer reported golf ball size hail approximately nine miles southeast of Floydada.

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#### CHILDRESS COUNTY --- 0.9 E (CDS)CHILDRESS ARPT [34.43, -100.28]

06/01/22 00:34 CST	0	0	Thunderstorm Wind (MG 53 kt)
06/01/22 00:34 CST		0	Source: ASOS

The automated surface observing system at Childress Municipal Airport measured a wind gust of 61 mph.

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 was a continuation of an event that began on 31 May.

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

06/01/22 19:05 CST	0	0	Hail (1.00 in)
06/01/22 19:05 CST		0	Source: Fire Department/Rescue

The fire department in Silvertown reported accumulating hail with the largest hail up to quarter size.

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#### MOTLEY COUNTY --- 1.0 NE MATADOR [34.03, -100.81]

06/01/22 21:51 CST	0	0	Hail (2.75 in)
06/01/22 21:51 CST		0	Source: COOP Observer

An NWS cooperative weather observer near Matador reported baseball ball size hail. There was an unknown amount of damage to vehicles in the area.

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

06/01/22 21:56 CST	0	0	Hail (1.00 in)
06/01/22 21:56 CST		0	Source: Emergency Manager

The fire department in Turkey reported quarter size hail in town.

Cooler air was ushered into the region early on the first with an outflow boundary reinforced front. This front settled across the southern South Plains in the afternoon leaving a stout elevated mixed layer across the remainder of the South Plains and southern Texas Panhandle. Isolated elevated supercells developed within this instability across the extreme southern Texas Panhandle. Some of these storms became severe producing hail up to baseball size near Matador causing vehicle damage (Motley County).

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#### COCHRAN COUNTY --- 13.4 S WHITEFACE [33.41, -102.61]

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	06/02/22 23:55 CST		0	Thunderstorm Wind (MG 51 kt)
	06/02/22 23:57 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Sundown measured severe wind gusts from 2355 CST through 2357 CST on the second. A peak wind gust of 59 mph was measured at 2355 CST.

<b>LAMB COUNTY --- LITTLEFIELD [33.92, -102.32]</b>				
	06/03/22 00:26 CST		0	Hail (0.75 in)
	06/03/22 00:26 CST		0	Source: Broadcast Media

<b>(TX-Z042) GARZA</b>				
	06/03/22 06:04 CST		0	High Wind (MAX 51 kt)
	06/03/22 06:04 CST		0	

On the afternoon of the second, thunderstorms developed on the higher terrain of eastern New Mexico and moved into the South Plains of West Texas late in the evening through the early morning hours of the third. Cloudy skies kept conditions cool through the day but ample elevated instability existed which fueled these storms persisting through Friday morning. A portion of these storms became severe across the South Plains producing small hail and isolated severe wind gusts. Later in the morning of the third, a severe wind gust was produced within the trailing stratiform region of departing precipitation. A Texas Tech University West Texas mesonet site near Graham (Garza County) measured a wind gust to 59 mph in this stratiform precipitation region.

<b>(TX-Z034) HOCKLEY</b>				
	06/03/22 22:59 CST		0	High Wind (MAX 52 kt)
	06/03/22 22:59 CST		0	

Thunderstorms once again developed on the higher terrain of eastern New Mexico on the afternoon of the third and moved into the southwestern South Plains late in the evening. Although these storms were not severe, one decaying storm did produce a heat burst near Opdyke West (Hockley County). The emergency manager for the county reported that an outbuilding was blown 100 ft away from its original position.

<b>SWISHER COUNTY --- 1.0 E HAPPY [34.73, -101.83]</b>				
	06/08/22 06:31 CST		0	Thunderstorm Wind (MG 55 kt)
	06/08/22 06:33 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Happy measured severe wind gusts from 0631 CST through 0633 CST. A peak wind gust of 63 mph was measured at 0631 CST.

<b>HALL COUNTY --- 2.0 S LESLEY [34.64, -100.80]</b>				
	06/08/22 06:58 CST		0	Thunderstorm Wind (MG 55 kt)
	06/08/22 06:58 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Lesley measured a wind gust of 63 mph.

<b>BRISCOE COUNTY --- 7.0 ESE SILVERTON [34.43, -101.19]</b>				
	06/08/22 06:59 CST		0	Thunderstorm Wind (MG 57 kt)
	06/08/22 07:24 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Silverton measured severe wind gusts from 0659 CST through 0724 CST. A peak wind gust of 66 mph was measured at 0701 CST.

<b>BRISCOE COUNTY --- CAPROCK CANYONS STATE PARK [34.41, -101.07]</b>				
	06/08/22 07:05 CST		0	Thunderstorm Wind (MG 56 kt)
	06/08/22 07:06 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site at Caprock Canyons State Park measured severe wind gusts from 0705 CST through 0706 CST. A peak wind gust of 64 mph was measured at 0705 CST.

<b>CHILDRESS COUNTY --- 2.0 NNE CHILDRESS [34.45, -100.19]</b>				
	06/08/22 07:10 CST		0	Thunderstorm Wind (MG 52 kt)
	06/08/22 07:10 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Childress measured a wind gust of 60 mph.

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<b>HALL COUNTY --- 2.0 WSW TURKEY [34.39, -100.91]</b>				
	06/08/22 07:10 CST		0	Thunderstorm Wind (MG 71 kt)
	06/08/22 07:21 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Turkey measured severe wind gusts from 0710 CST through 0721 CST. A peak wind gust of 82 mph was measured at 0712 CST.				
<b>CHILDRESS COUNTY --- 0.9 E (CDS)CHILDRESS ARPT [34.43, -100.28]</b>				
	06/08/22 07:11 CST		0	Thunderstorm Wind (MG 50 kt)
	06/08/22 07:11 CST		0	Source: ASOS
The automated surface observing system at Childress Municipal Airport measured a wind gust of 58 mph.				
<b>FLOYD COUNTY --- 3.0 ENE SOUTH PLAINS [34.24, -101.27]</b>				
	06/08/22 07:14 CST		0	Thunderstorm Wind (MG 54 kt)
	06/08/22 07:16 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near South Plains measured severe wind gusts from 0714 CST through 0716 CST. A peak wind gust of 62 mph was measured at 0715 CST.				
<b>HALL COUNTY --- 1.0 NE MEMPHIS [34.73, -100.52]</b>				
	06/08/22 07:18 CST		0	Thunderstorm Wind (MG 52 kt)
	06/08/22 07:18 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Memphis measured a severe wind gust of 60 mph.				
<b>HALE COUNTY --- 8.6 SE SETH WARD [34.13, -101.57]</b>				
	06/08/22 07:22 CST		0	Thunderstorm Wind (MG 51 kt)
	06/08/22 07:22 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Aiken measured a wind gust of 59 mph.				
<b>FLOYD COUNTY --- 2.0 NNE FLOYDADA [34.01, -101.32]</b>				
	06/08/22 07:32 CST		0	Thunderstorm Wind (MG 54 kt)
	06/08/22 07:40 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Floydada measured severe wind gusts from 0732 CST through 0740 CST. A peak wind gust of 62 mph was measured at 0740 CST.				
<b>MOTLEY COUNTY --- 3.0 N ROARING SPGS [33.94, -100.85]</b>				
	06/08/22 07:43 CST		0	Thunderstorm Wind (MG 70 kt)
	06/08/22 07:49 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Roaring Springs measured severe wind gusts from 0743 CST through 0749 CST. A peak wind gust of 81 mph was measured at 0744 CST.				
<b>DICKENS COUNTY --- 3.0 NNW MC ADOO [33.77, -101.00]</b>				
	06/08/22 07:50 CST		0	Thunderstorm Wind (MG 66 kt)
	06/08/22 08:04 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near McAdoo measured severe wind gusts from 0750 CST through 0804 CST. A peak wind gust of 76 was measured at 0754 CST.				
<b>COTTLE COUNTY --- 2.0 SSE HACKBERRY [33.90, -100.14]</b>				
	06/08/22 07:58 CST		0	Thunderstorm Wind (MG 51 kt)
	06/08/22 07:59 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Hackberry measured 59 mph wind gusts from 0758 CST through 0759 CST.				
<b>CROSBY COUNTY --- 1.0 SE RALLS [33.67, -101.37]</b>				
	06/08/22 08:00 CST		0	Thunderstorm Wind (MG 52 kt)
	06/08/22 08:03 CST		0	Source: Mesonet

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A Texas Tech University West Texas mesonet site near Ralls measured severe wind gusts from 0800 CST through 0803 CST. A peak wind gust of 60 mph was measured at 0803 CST.				
<b>(TX-Z034) HOCKLEY, (TX-Z035) LUBBOCK, (TX-Z042) GARZA</b>				
	06/08/22 08:02 CST	0		High Wind (MAX 56 kt)
	06/08/22 09:12 CST	0		
<b>CROSBY COUNTY --- 6.0 NW WHITE RIVER LAKE [33.52, -101.16]</b>				
	06/08/22 08:06 CST	0		Thunderstorm Wind (MG 62 kt)
	06/08/22 08:08 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near White River Lake measured severe wind gusts from 0806 CST through 0808 CST. A peak wind gust of 71 was measured at 0808 CST.				
<b>KING COUNTY --- 10.0 WSW GUTHRIE [33.56, -100.49]</b>				
	06/08/22 08:10 CST	0		Thunderstorm Wind (MG 61 kt)
	06/08/22 08:28 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Guthrie measured severe wind gusts from 0810 CST through 0828 CST. A peak wind gust of 70 mph was measured at 0818 CST.				
<b>DICKENS COUNTY --- 1.0 W SPUR [33.48, -100.87]</b>				
	06/08/22 08:20 CST	0		Thunderstorm Wind (MG 54 kt)
	06/08/22 08:20 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Spur measured a wind gust of 62 mph.				
<b>KENT COUNTY --- 1.0 SSE JAYTON [33.24, -100.57]</b>				
	06/08/22 08:40 CST	0		Thunderstorm Wind (MG 54 kt)
	06/08/22 08:40 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Jayton measured a wind gust of 62 mph.				
<p><b>A complex of thunderstorms that initially developed over eastern Colorado and western Kansas around midnight, grew in size and strength as it accelerated southward across much of the Oklahoma and Texas Panhandles during the predawn hours. The main impact was widespread intense winds that it generated as it plunged southward. The leading edge of the winds raced out of the southern Texas Panhandle and across the South Plains and Rolling Plains between 0630 CST and 0900 CST, lofting dust and causing damage in spots. The strongest winds were measured near Turkey (Hall County) and Matador (Motley County), where tree damage was reported. The wind also lofted copious amounts of blowing dust, creating a haboob as the leading edge of the outflow raced south and east of the South and Rolling Plains. Visibility briefly dropped very low as the initial gust front and wall of dust moved through. Farther west on the South Plains, high winds were created by the outflow boundary with no convection along this portion of the outflow. The automated surface observing system at Lubbock International Airport measured a wind gust of 64 mph. A Texas Tech University West Texas mesonet site near Anton (Hockley County) measured a wind gust of 58 mph while a mesonet near Graham (Garza County) measured a gust of 59 mph.</b></p>				
<b>HALL COUNTY --- 2.0 S LESLEY [34.64, -100.80]</b>				
	06/09/22 21:43 CST	0		Thunderstorm Wind (MG 56 kt)
	06/09/22 21:46 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Lesley measured severe wind gusts from 2143 CST through 2146 CST. A peak wind gust of 64 mph was measured at 2145 and 2146 CST.				
<b>HALL COUNTY --- 2.0 WSW TURKEY [34.39, -100.91]</b>				
	06/09/22 21:55 CST	0		Thunderstorm Wind (MG 56 kt)
	06/09/22 21:56 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Turkey measured severe wind gusts from 2155 CST through 2156 CST. A peak wind gust of 64 mph was measured at 2156 CST.				
<b>HALL COUNTY --- 1.0 ENE MEMPHIS [34.73, -100.51]</b>				
	06/09/22 22:02 CST	0		Thunderstorm Wind (MG 65 kt)
	06/09/22 22:09 CST	0		Source: Mesonet

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A Texas Tech University West Texas mesonet site near Memphis measured severe wind gusts from 2202 CST through 2209 CST. A peak wind gust of 75 mph was measured at 2203 CST.				

**CHILDRESS COUNTY --- 4.0 NE CHILDRESS [34.46, -100.15]**

06/09/22 22:35 CST	0	Thunderstorm Wind (MG 52 kt)
06/09/22 22:39 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Childress measured severe wind gusts from 2235 CST through 2239 CST. A peak wind gust of 60 mph was measured at 2235 CST.

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

06/09/22 23:50 CST	0	Thunderstorm Wind (MG 58 kt)
06/09/22 23:52 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Olton measured severe wind gusts from 2350 CST through 2352 CST. A peak wind gust of 67 mph was measured at 2351 CST.

**(TX-Z026) CHILDRESS, (TX-Z028) LAMB**

06/10/22 00:44 CST	0	High Wind (MAX 63 kt)
06/10/22 00:45 CST	0	

On the afternoon of the ninth, scattered thunderstorms developed over the higher terrain of northeastern New Mexico and southeastern Colorado. This complex of thunderstorms moved southeastward across the Texas Panhandle becoming a broken line of storms by the time it reached the extreme southern Texas Panhandle. The cool outflow from this broken line of thunderstorms that surged through the southern Texas Panhandle provided strong to severe wind gusts. While the thunderstorms were departing the region early on the tenth, a couple of decaying storms produced heat bursts. The first was near Olton (Lamb County) where a Texas Tech University West Texas mesonet measured a wind gust of 61 mph along with a six Fahrenheit degree increase in temperature. At the same time, a heat burst near Childress (Childress County) caused considerable damage to a few structures. At 0045 CST on the tenth, a peak wind gust of 72 mph was measured by the Childress Municipal Airport Automated Surface Observing System (ASOS). Temperatures rapidly rose 11 Fahrenheit degrees with this wind gust along with a decrease in dew point and pressure.

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*Damage to a structure near Farm to Market Road 2530 south of US Highway 287 near Childress. Photograph is courtesy of Bill Ricks.*

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(TX-Z022) CASTRO

06/12/22 17:53 CST	0	High Wind (MAX 73 kt)
06/12/22 18:57 CST	0	

Very hot temperatures on the 12th allowed high-based scattered virga showers to develop underneath a relatively dry sub-cloud layer. This activity produced little in the way of rainfall but did generate small intense wind gusts. Two separate virga showers produced severe wind gusts at the Texas Tech University West Texas mesonet site near Dimmitt (Castro County). The first virga shower produced a wind gust of 64 mph at 1753 CST. The second shower produced severe wind gusts from 1854 CST through 1857 CST. A peak gust of 84 mph was measured at 1854 and 1855 CST.