

Storm Data and Unusual Weather Phenomena - July 2023

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

TEXAS, South Panhandle

HOCKLEY COUNTY --- 6.0 SSW ANTON [33.74, -102.21]

07/02/23 20:07 CST		0	Thunderstorm Wind (MG 61 kt)
07/02/23 20:10 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Anton measured severe wind gusts from 2007 CST through 2010 CST. A peak gust of 70 mph was measured at 2007 CST.

On the afternoon of the second, scattered thunderstorms developed within a low level upslope flow area in eastern New Mexico. These storms persisted into the South Plains of West Texas on a strong cold pool. Outflow winds just ahead of the thunderstorms produced severe wind gusts near Anton (Hockley County).

CHILDRESS COUNTY --- 1.0 W KIRKLAND [34.38, -100.09]

07/05/23 20:19 CST		0	Hail (1.00 in)
07/05/23 20:19 CST		0	Source: COOP Observer

An NWS cooperative weather observer reported hail up to quarter size west of Kirkland.

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

07/05/23 22:50 CST		0	Thunderstorm Wind (MG 68 kt)
07/05/23 22:55 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Friona measured severe wind gusts from 2250 CST through 2255 CST. A peak wind gust of 78 mph was measured at 2251 CST.

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

07/06/23 00:08 CST		0	Thunderstorm Wind (MG 53 kt)
07/06/23 00:08 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Olton measured a severe wind gust of 61 mph.

HALE COUNTY --- (PVW)HALE CO ARPT [34.17, -101.72], 1.0 S PLAINVIEW [34.19, -101.70]

07/06/23 00:28 CST		0	Thunderstorm Wind (MG 51 kt)
07/06/23 00:35 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site measured a severe wind gust of 59 mph at 0028 CST. At 0035 CST, the AWOS at Plainview-Hale County airport measured a wind gust of 58 mph.

HALE COUNTY --- 8.6 SE SETH WARD [34.13, -101.57]

07/06/23 00:46 CST		0	Thunderstorm Wind (MG 58 kt)
07/06/23 00:47 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Aiken measured severe wind gusts from 0046 CST through 0047 CST. A peak wind gust of 67 was measured at 0047 CST.

LUBBOCK COUNTY --- 6.0 E NEW DEAL [33.73, -101.73]

07/06/23 01:04 CST		0	Thunderstorm Wind (MG 56 kt)
07/06/23 01:04 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near New Deal measured a wind gust of 64 mph.

LUBBOCK COUNTY --- 6.0 E NEW DEAL [33.73, -101.73]

07/06/23 02:12 CST		0	Thunderstorm Wind (MG 56 kt)
07/06/23 02:12 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near New Deal measured a wind gust of 64 mph.

A strong summer time subtropical ridge was located over southern New Mexico with a weak short wave moving over the top of the ridge. Low level upslope flow combined with weak large scale lift creating an isolated storm in the extreme southeastern Texas Panhandle late on the fifth. Additional thunderstorm activity formed on the higher terrain of New Mexico and drifted into West Texas early in the morning on the sixth. A strong outflow boundary ahead of the complex of thunderstorms produced severe wind gusts for

Storm Data and Unusual Weather Phenomena - July 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
several hours as it progressed from the extreme southwestern Texas Panhandle into the central South Plains.				
<hr/>				
PARMER COUNTY --- 2.0 NE FRIONA [34.65, -102.71]				
	07/07/23 15:55 CST		0	Thunderstorm Wind (MG 58 kt)
	07/07/23 15:55 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Friona measured a wind gust to 67 mph.				
<hr/>				
CASTRO COUNTY --- 2.0 NE DIMMITT [34.57, -102.30]				
	07/07/23 16:25 CST		0	Thunderstorm Wind (MG 58 kt)
	07/07/23 16:45 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Dimmitt measured severe wind gusts from 1625 CST through 1645 CST.				
<hr/>				
LAMB COUNTY --- 1.0 NE AMHERST [34.03, -102.41]				
	07/07/23 16:35 CST		0	Thunderstorm Wind (MG 54 kt)
	07/07/23 16:40 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Amherst measured severe wind gusts from 1635 CST through 1640 CST. A peak wind gust of 62 mph was measured at 1636 CST.				
<hr/>				
LAMB COUNTY --- 6.0 S OLTON [34.09, -102.13]				
	07/07/23 16:47 CST		0	Thunderstorm Wind (MG 50 kt)
	07/07/23 16:47 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Olton measured a wind gust of 58 mph.				
<hr/>				
CASTRO COUNTY --- 3.0 N HART [34.42, -102.12]				
	07/07/23 16:57 CST		0	Thunderstorm Wind (MG 51 kt)
	07/07/23 16:57 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Hart measured a wind gust of 59 mph.				
<hr/>				
SWISHER COUNTY --- 2.0 ENE TULIA [34.54, -101.74]				
	07/07/23 17:13 CST		0	Thunderstorm Wind (MG 50 kt)
	07/07/23 17:32 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Tulia measured intermittent wind gusts of 58 mph between 1713 CST and 1732 CST.				
<hr/>				
HOCKLEY COUNTY --- 6.0 SSW ANTON [33.74, -102.21]				
	07/07/23 17:26 CST		0	Thunderstorm Wind (MG 56 kt)
	07/07/23 17:27 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Anton measured severe wind gusts from 1626 CST through 1627 CST. A peak wind gust of 64 mph was measured at 1626 CST.				
<hr/>				
HALE COUNTY --- 5.0 ENE ABERNATHY [33.86, -101.77]				
	07/07/23 17:40 CST		0	Thunderstorm Wind (MG 53 kt)
	07/07/23 17:40 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Abernathy measured a wind gust of 61 mph.				
<hr/>				
HOCKLEY COUNTY --- 4.0 S LEVELLAND [33.52, -102.37], LEVELLAND MUNI ARPT [33.55, -102.37]				
	07/07/23 17:54 CST		0	Thunderstorm Wind (MG 56 kt)
	07/07/23 17:55 CST		0	Source: AWOS
At 1754 CST, a Texas Tech University West Texas mesonet site near Levelland measured a wind gust of 59 mph. The AWOS at the Levelland Municipal Airport measured a wind gust of 64 mph at 1755 CST.				
<hr/>				
LUBBOCK COUNTY --- 4.1 S WOLFFORTH [33.44, -102.02]				
	07/07/23 18:09 CST		0	Thunderstorm Wind (EG 52 kt)
	07/07/23 18:09 CST		0	Source: NWS Employee

Storm Data and Unusual Weather Phenomena - July 2023

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

An off-duty NWS employee estimated wind gusts of 60 mph south of Wolfforth.

GARZA COUNTY --- 1.0 NE POST [33.19, -101.37]

	07/07/23 19:24 CST		0	Thunderstorm Wind (MG 51 kt)
	07/07/23 19:27 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Post measured wind gusts to 59 mph at 1924 CST and 1927 CST.

COCHRAN COUNTY --- 13.6 S WHITEFACE [33.40, -102.61]

	07/07/23 21:47 CST		0	Thunderstorm Wind (MG 57 kt)
	07/07/23 21:51 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Sundown measured severe wind gusts from 2147 CST through 2151 CST. A peak wind gust of 66 mph was measured at 2151 CST.

LUBBOCK COUNTY --- 6.0 SSW WOLFFORTH [33.42, -102.06], 4.0 SE LUBBOCK [33.54, -101.80]

	07/07/23 22:42 CST		0	Thunderstorm Wind (MG 56 kt)
	07/07/23 23:05 CST		0	Source: Mesonet

Several Texas Tech University West Texas mesonet sites in around Lubbock measured severe wind gusts from 2242 CST through 2305 CST. A peak wind gust of 64 mph was measured at the Lubbock 4SE station at 2257 CST.

An upper level high pressure system over El Paso was being partially suppressed by a short wave moving across northern New Mexico on the evening of the seventh. Scattered thunderstorms developed along a surface pressure trough near the Texas/New Mexico state line and drifted eastward during the late afternoon and evening hours as a broken line of thunderstorms. Hot and dry near surface conditions allowed for high cloud bases supporting severe wind gusts underneath thunderstorm activity. Several Texas Tech University West Texas mesonet sites measured severe wind gusts with the strongest activity.

SWISHER COUNTY --- VIGO PARK [34.65, -101.48]

	07/08/23 21:47 CST		0	Thunderstorm Wind (MG 52 kt)
	07/08/23 21:47 CST		0	Source: Mesonet

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

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

	07/08/23 22:50 CST		0	Thunderstorm Wind (MG 52 kt)
	07/08/23 22:50 CST		0	Source: Mesonet

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

HALL COUNTY --- 2.0 WSW TURKEY [34.39, -100.91]

	07/09/23 00:08 CST		0	Thunderstorm Wind (MG 52 kt)
	07/09/23 00:09 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Turkey measured severe wind gusts from 0008 CST through 0009 CST. A peak wind gust of 60 mph was measured at 0008 CST.

A cluster of thunderstorms developed in eastern New Mexico and tracked to the southeast into the extreme southern Texas Panhandle and northern South Plains during the late evening hours. Very strong thunderstorm outflow winds produced several severe wind gusts across the area.

CROSBY COUNTY --- CROSBYTON [33.67, -101.25]

	07/10/23 21:47 CST		0	Thunderstorm Wind (EG 70 kt)
	07/10/23 21:47 CST		0	Source: COOP Observer

A cooperative weather observer reported wind damage to trees, power lines, and a roof in the city of Crosbyton.

LUBBOCK COUNTY --- 6.0 SSW WOLFFORTH [33.42, -102.06], 2.5 WNW LUBBOCK [33.59, -101.89]

	07/10/23 21:52 CST		0	Thunderstorm Wind (MG 66 kt)
	07/10/23 22:11 CST		0	Source: Emergency Manager

A swath of severe winds occurred across central Lubbock County. Strong straight line winds produced widespread tree damage near the Texas Tech University Health Sciences Center. A Texas Tech University West Texas mesonet site near Wolfforth measured a maximum severe wind gust of 76 mph. A Texas Tech University West Texas mesonet on the campus of Texas Tech University measured a wind gust of 63 mph.

Storm Data and Unusual Weather Phenomena - July 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
DICKENS COUNTY --- 1.0 W SPUR [33.48, -100.87]				
	07/10/23 22:23 CST		0	Thunderstorm Wind (MG 59 kt)
	07/10/23 22:23 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Spur measured a wind gust of 68 mph.				
(TX-Z034) HOCKLEY				
	07/10/23 22:51 CST		0	High Wind (MAX 52 kt)
	07/10/23 22:55 CST		0	
<p>Scattered thunderstorms developed late in the afternoon on the caprock in response to a potent short wave trough approaching the area and strong surface based instability. Very hot and dry near surface conditions allowed some thunderstorms to produce severe winds. A swath of severe winds occurred over central Lubbock County which produced tree damage at the Texas Tech University Health Sciences Center. A thunderstorm over Crosby County caused damage to trees, power lines, and a roof. Decaying showers led to severe wind gusts near Levelland (Hockley County). A Texas Tech University West Texas mesonet site south of Levelland measured a wind gust of 60 mph. At the same time, an AWOS station at Levelland Municipal Airport measured a gust to 60 mph.</p>				
DICKENS COUNTY --- 3.0 NNW MC ADOO [33.77, -101.00]				
	07/12/23 16:21 CST		0	Thunderstorm Wind (MG 63 kt)
	07/12/23 16:30 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near McAdoo measured intermittent severe wind gusts from 1621 CST through 1630 CST. A peak wind gust of 72 mph was measured at 1629 CST.				
<p>Extremely hot and dry conditions on the afternoon of the 12th created isolated thunderstorms underneath an inverted V sounding profile. One thunderstorm in particular over northwestern Dickens County produced severe wind gusts in excess of 70 mph at the Texas Tech University West Texas mesonet site near McAdoo.</p>				
LUBBOCK COUNTY --- 4.0 NNE SHALLOWATER [33.73, -101.95]				
	07/13/23 19:29 CST		0	Thunderstorm Wind (MG 56 kt)
	07/13/23 19:32 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Shallowater measured severe wind gusts from 1929 CST through 1932 CST. A peak wind gust of 64 mph was measured at 1932 CST.				
CASTRO COUNTY --- 2.0 NE DIMMITT [34.57, -102.30]				
	07/13/23 20:32 CST		0	Thunderstorm Wind (MG 52 kt)
	07/13/23 20:33 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Dimmitt measured severe wind gusts between 2032 CST and 2033 CST. A peak wind gust of 60 mph was measured at 2032 CST.				
FLOYD COUNTY --- 3.0 ENE SOUTH PLAINS [34.24, -101.27]				
	07/13/23 22:31 CST		0	Thunderstorm Wind (MG 63 kt)
	07/13/23 22:35 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near South Plains measured severe wind gusts from 2231 CST through 2235 CST. A peak wind gust of 73 mph was measured at 2231 CST.				
HALL COUNTY --- 2.7 S ESTELLINE [34.51, -100.43]				
	07/13/23 23:22 CST		0	Thunderstorm Wind (MG 51 kt)
	07/13/23 23:22 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Estelline measured a wind gust to 59 mph.				
CHILDRESS COUNTY --- (CDS)CHILDRESS ARPT [34.43, -100.30], 2.0 NNE CHILDRESS [34.45, -100.19]				
	07/13/23 23:29 CST		0	Thunderstorm Wind (MG 57 kt)
	07/13/23 23:42 CST		0	Source: Mesonet
A swath of severe wind gusts were measured by the Automated Surface Observing System (ASOS) at Childress Municipal Airport and by the Texas Tech University West Texas mesonet site near Childress from 2329 CST through 2342 CST. A peak wind gust of 66 mph was measured at 2340 CST and 2342 CST by the mesonet and ASOS, respectively.				

Storm Data and Unusual Weather Phenomena - July 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(TX-Z032) COTTLE				
	07/14/23 00:13 CST		0	High Wind (MAX 50 kt)
	07/14/23 00:13 CST		0	
<p>A weak mid level short wave trough combined with very hot temperatures to generate scattered thunderstorms late on the afternoon of the 13th. The hot temperatures allowed for a deeply mixed boundary layer giving thunderstorms high cloud bases. These storms slowly moved to the east through the evening creating scattered severe wind gusts. A Texas Tech University West Texas mesonet site near Hackberry (Cottle County) measured a severe wind gust with outflow winds well away from the thunderstorm activity.</p>				
SWISHER COUNTY --- HAPPY [34.73, -101.85]				
	07/15/23 23:30 CST		0	Thunderstorm Wind (MG 53 kt)
	07/15/23 23:31 CST		0	Source: Mesonet
<p>A Texas Tech University West Texas mesonet site near Happy measured severe wind gusts from 2330 CST through 2331 CST. A peak wind gust of 61 mph was measured at 2331 CST.</p>				
DICKENS COUNTY --- 3.0 NNW MC ADOO [33.77, -101.00]				
	07/16/23 01:09 CST		0	Thunderstorm Wind (MG 54 kt)
	07/16/23 01:11 CST		0	Source: Mesonet
<p>A Texas Tech University West Texas mesonet site near McAdoo measured severe wind gusts from 0109 CST through 0111 CST. A peak wind gust of 62 mph at 0109 CST.</p>				
MOTLEY COUNTY --- 1.1 NNW ROARING SPGS BUZZ AR [33.94, -100.84]				
	07/16/23 01:22 CST		0	Thunderstorm Wind (MG 51 kt)
	07/16/23 01:22 CST		0	Source: Mesonet
<p>A Texas Tech University West Texas mesonet site near Roaring Springs measured a wind gust to 59 mph.</p>				
KING COUNTY --- 10.0 WSW GUTHRIE [33.56, -100.49]				
	07/16/23 02:02 CST		0	Thunderstorm Wind (MG 51 kt)
	07/16/23 02:02 CST		0	Source: Mesonet
<p>A Texas Tech University West Texas mesonet site near Guthrie measured a wind gust to 59 mph.</p>				
COTTLE COUNTY --- 10.0 SW PADUCAH [33.92, -100.42]				
	07/16/23 02:15 CST		0	Thunderstorm Wind (MG 53 kt)
	07/16/23 02:21 CST		0	Source: Mesonet
<p>A Texas Tech University West Texas mesonet site near Paducah measured severe wind gusts from 0215 CST through 0221 CST. A peak wind gust of 61 mph was measured at 0216 CST.</p>				
<p>Upslope flow into northeastern New Mexico generated convection off the Raton Mesa and slowly drifted to the southeast towards West Texas on the afternoon and evening of the 15th. These thunderstorms reached the area early in the morning of the 16th and produced several severe wind gusts from the extreme southern Texas Panhandle into the Rolling Plains.</p>				
SWISHER COUNTY --- 2.0 ENE TULIA [34.54, -101.74]				
	07/23/23 04:55 CST		0	Thunderstorm Wind (MG 56 kt)
	07/23/23 04:57 CST		0	Source: Mesonet
<p>A Texas Tech University West Texas mesonet site near Tulia measured severe wind gusts from 0455 CST through 0457 CST. A peak wind gust of 64 mph was measured at 0456 CST.</p>				
<p>Isolated thunderstorms developed off of an outflow boundary early in the morning of the 23rd that moved into the region from the north from a decaying mesoscale convective system. One of these storms produced a severe wind gust near Tulia.</p>				