

Storm Data and Unusual Weather Phenomena - April 2022

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

(OK-Z001) CIMARRON, (OK-Z002) TEXAS, (OK-Z003) BEAVER

	04/01/22 00:00 CST	0	Drought
	04/30/22 23:59 CST	0	

Long term drought persisted through April with very short to short soil moisture. Farmers either had to wait for rain or pre-water the fields to even start spring planting. With pastures and rangelands poor to very poor supplemental feeding of cattle continued. With springtime high wind events across the Southern Plains, the threat for wildfires continued as fuels remained dormant well into the end of the month. In fact, a total of 76,694 acres burned during the month of April across the combined Oklahoma and Texas Panhandles.

(OK-Z003) BEAVER

	04/05/22 11:58 CST	0	Wildfire
	04/11/22 17:23 CST	0	

A strong cold front moved in from the north on the 5th bringing with it some windy conditions. Prolonged drought conditions combined with low relative humidity and these winds lead to a wildfire that consumed 24,542 acres over the span of 6 Days.

(OK-Z002) TEXAS

	04/06/22 12:40 CST	0	High Wind (MAX 56 kt)
	04/06/22 12:40 CST	0	

A strong upper level low was centered over portions of Minnesota and Wisconsin during the afternoon of April 6th. A cold front moved through the combined Oklahoma and Texas Panhandle the night of the 5th. This front brought strong winds and especially when it reached the southern Texas Panhandle. A second day of high winds occurred across the eastern Oklahoma Panhandle the a low pressure system deepened well northeast of the area.

(OK-Z002) TEXAS

	04/07/22 12:39 CST	0	High Wind (MAX 56 kt)
	04/07/22 12:50 CST	0	

A very strong upper level low pressure system continued to move across the Northern Plains and the Midwest. This system continued to influence the combined Oklahoma and Texas Panhandles as the upper level jet dipped south over the Great Plains. Some of the stronger winds aloft from this system were able to mix to the surface with several wind gusts exceeding 58 mph as well as sustained winds exceeding 40 mph.

(OK-Z003) BEAVER

	04/07/22 15:06 CST	0	Wildfire
	04/07/22 22:32 CST	0	

A very strong upper level low pressure system continued to move across the Northern Plains and the Midwest. This system continued to influence the combined Oklahoma and Texas Panhandles as the upper level jet dipped south over the Great Plains. Some of the stronger winds aloft from this system were able to mix to the surface with several wind gusts exceeding 58 mph as well as sustained winds exceeding 40 mph. The high winds combined with dry conditions lead to a wildfire in Beaver County that burned roughly 5,696 acres.

(OK-Z001) CIMARRON, (OK-Z002) TEXAS

	04/12/22 11:45 CST	0	High Wind (MAX 63 kt)
	04/12/22 14:00 CST	0	

A strong upper level system was moving across the Intermountain West early on the 12th of April. This system led to strong southwest winds to the combined Oklahoma and Texas Panhandles. Sustained winds were in the 30 to 40 mph range with some gusts topping out at 72 mph.

(OK-Z001) CIMARRON, (OK-Z002) TEXAS, (OK-Z003) BEAVER

	04/22/22 14:00 CST	0	High Wind (MAX 64 kt)
	04/22/22 19:40 CST	0	

A very strong upper level storm system moved across the Four Corners Region on the 22nd. This system brought a high wind event to the combined Oklahoma and Texas Panhandles during the day, and led to development of severe thunderstorms that produced hail up to the size of baseballs and wind gusts up to 75 mph in the late afternoon and evening.

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CIMARRON COUNTY --- 7.0 SSE GRIGGS [36.51, -102.07], 6.0 NE GRIGGS [36.66, -102.04]	04/22/22 16:25 CST	0	0	Hail (1.75 in)
	04/22/22 16:35 CST	0	0	Source: Trained Spotter

TEXAS COUNTY --- 4.0 SW EVA [36.76, -101.95], 6.0 N EVA [36.89, -101.90]	04/22/22 16:44 CST	0	0	Hail (2.75 in)
	04/22/22 16:54 CST	0	0	Source: Storm Chaser

A storm chaser reported multiple hail reports ranging from 2" to 2.75" with a storm that traveled from the SSW to NNE across HWY 95 north of Eva.

TEXAS COUNTY --- GUYMON [36.68, -101.48], 8.0 N OPTIMA [36.87, -101.35]	04/22/22 18:38 CST	0	0	Hail (1.75 in)
	04/22/22 19:06 CST	0	0	Source: Emergency Manager

Hail between 1.5" and 1.75" in diameter was reported in Guymon. Another hail report of 1" hail was reported when the storm got further northeast near Optima.

TEXAS COUNTY --- 10.6 NE EVA [36.92, -101.78]	04/23/22 00:15 CST	0	0	Thunderstorm Wind (MG 51 kt)
	04/23/22 00:15 CST	0	0	Source: Mesonet

TEXAS COUNTY --- 1.8 ESE GOODWELL [36.59, -101.60]	04/23/22 00:45 CST	0	0	Thunderstorm Wind (MG 57 kt)
	04/23/22 00:45 CST	0	0	Source: Mesonet

A very strong upper level storm system moved across the Four Corners Region on the 22nd. This system brought a high wind event to the combined Oklahoma and Texas Panhandles during the day, and led to development of severe thunderstorms. Wind shear and instability in the atmosphere associated with the approaching system led to supercell storms which were very efficient at producing large hail that exceeded 2 inches in some events.

(OK-Z001) CIMARRON	04/29/22 17:40 CST	0	0	Dust Storm
	04/29/22 18:00 CST	0	0	

(OK-Z002) TEXAS	04/29/22 18:19 CST	0	0	High Wind (MAX 53 kt)
	04/29/22 18:24 CST	0	0	

A strong upper level low moved into the Central Plains from the Rockies. A cold front moved quickly southward across the eastern Plains of Colorado and strong winds spread into the western and central Oklahoma Panhandle and the northern Texas Panhandle. The winds brought a "wall of dust" through Boise City and Dalhart, where the visibility fell to 1/4 of a mile or less. Wind gusts to around 60 mph were recorded at Guymon, Spearman and 10E of Miami.

TEXAS, North Panhandle

(TX-Z009) ROBERTS	04/01/22 00:00 CST	0	0	Wildfire
	04/02/22 18:00 CST	0	0	

The Canadian River Bottom Fire started on March 29th and continued through April 2nd. It started between the towns of Canadian and Miami off of highway 60. Canadian Volunteer Fire Department were first resources on scene. Multiple fire department had arrived throughout the evening. Fire crews worked throughout the night establishing containment on both flanks and doing structure protection with heavy equipment and engines. High winds continued throughout the night which kept fire activity very active. In total, 29 structures and 11 vehicles/farm equipment were lost. Livestock relocation was done at the Canadian Rodeo Arena where pens and horse stalls were available for animal relocation. On underground gas pipeline was burning and the company was notified which they shut down the pipeline. The estimated total acreage burned was 39,568 when it ended at the end of shift on April 2nd.

(TX-Z001) DALLAM, (TX-Z002) SHERMAN, (TX-Z003) HANSFORD, (TX-Z004) OCHILTREE, (TX-Z005) LIPSCOMB, (TX-Z006) HARTLEY, (TX-Z007) MOORE, (TX-Z008) HUTCHINSON, (TX-Z009) ROBERTS, (TX-Z010) HEMPHILL, (TX-Z011) OLDHAM, (TX-Z012) POTTER, (TX-Z013) CARSON,

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(TX-Z014) GRAY, (TX-Z015) WHEELER, (TX-Z016) DEAF SMITH, (TX-Z017) RANDALL COUNTY, (TX-Z018) ARMSTRONG, (TX-Z019) DONLEY, (TX-Z020) COLLINGSWORTH				
	04/01/22 00:00 CST		0	Drought
	04/30/22 23:59 CST		0	
<p>Long term drought persisted and continued through April with very short to short soil moisture. Farmers either had to wait for rain or pre-water the fields to even start spring planting. With pastures and rangelands poor to very poor supplemental feeding of cattle continued. With springtime high wind events across the Southern Plains, the threat for wildfires continued. In fact, a total of 76,694 acres burned during the month of April across the combined Oklahoma and Texas Panhandles.</p>				
(TX-Z015) WHEELER				
	04/01/22 14:25 CST		0	Wildfire
	04/02/22 19:18 CST		0	
<p>Prolonged drought conditions coupled with strong winds, low relative humidity, and receptive fuels contributed to critical fire weather conditions across the Texas Panhandle. A wildfire developed in Wheeler County and continued through April 2nd before it was contained.</p>				
(TX-Z016) DEAF SMITH				
	04/01/22 14:37 CST		0	High Wind (MAX 50 kt)
	04/01/22 14:37 CST		0	
<p>Windy conditions were present on April 1st with 20 to 30 mph winds as surface low traversed the combined Oklahoma and Texas Panhandles. An upper level low was traversing the Panhandles as well with strong winds associated with it. There was one location in Deaf Smith County where these upper level winds aloft were able to mix down to the surface with a mesonet measuring a wind gust of 58 mph. Little to no impacts were reported.</p>				
(TX-Z017) RANDALL COUNTY				
	04/02/22 13:43 CST		0	Wildfire
	04/02/22 14:35 CST		0	
<p>Prolonged drought conditions coupled with strong winds, low relative humidity, and receptive fuels contributed to critical fire weather conditions across the Texas Panhandle.</p>				
(TX-Z020) COLLINGSWORTH				
	04/05/22 21:18 CST		0	High Wind (MAX 51 kt)
	04/05/22 22:53 CST		0	
<p>A cold front moved through the combined Oklahoma and Texas Panhandle the night of the 5th. This front brought strong winds, especially when it reached the southern Texas Panhandle. A second day of high winds occurred across the eastern Oklahoma Panhandle as a low pressure system deepened well northeast of the area.</p>				
(TX-Z014) GRAY				
	04/05/22 22:24 CST		0	Wildfire
	04/06/22 19:00 CST		0	
<p>On the evening of the 5th a strong cold front passed through the combined Oklahoma and Texas Panhandles bring northerly winds in the 30-35 mph range. These winds combined with drought stressed vegetation fueled a wildfire that burned well into the evening of the 6th claiming 4,408 acres.</p>				
(TX-Z013) CARSON				
	04/06/22 12:58 CST		0	Wildfire
	04/06/22 20:58 CST		0	
<p>On the 6th of April a strong upper level storm system brought breezy to windy north winds behind a cold front the evening before. Winds continued to be around 20 to 30 mph through the day on the 6th, with relative humidity values falling into the low teens. These conditions combined with drought stressed and dormant vegetation contributed to a wildfire that burned 3,648 acres in Carson County.</p>				
(TX-Z003) HANSFORD, (TX-Z005) LIPSCOMB, (TX-Z008) HUTCHINSON, (TX-Z010) HEMPILL, (TX-Z014) GRAY				
	04/07/22 11:40 CST		0	High Wind (MAX 51 kt)
	04/07/22 16:15 CST		0	

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A very strong upper level low pressure system continued to move across the Northern Plains and the Midwest. This system continued to influence the combined Oklahoma and Texas Panhandles as the upper level jet dipped south over the Great Plains. Some of the stronger winds aloft from this system were able to mix to the surface with several wind gusts exceeding 58 mph as well as sustained winds exceeding 40 mph.

(TX-Z015) WHEELER

04/07/22 17:57 CST	0	Wildfire
04/09/22 23:11 CST	0	

Prolonged drought conditions coupled with strong winds, low relative humidity, and receptive fuels contributed to critical fire weather conditions across the Texas Panhandle.

(TX-Z002) SHERMAN, (TX-Z006) HARTLEY, (TX-Z007) MOORE, (TX-Z011) OLDHAM, (TX-Z012) POTTER, (TX-Z016) DEAF SMITH

04/12/22 11:22 CST	0	High Wind (MAX 55 kt)
04/12/22 15:25 CST	0	

A strong upper level system was moving across the Intermountain West early on the 12th of April. This system led to strong southwest winds to the combined Oklahoma and Texas Panhandles. Sustained winds were in the 30 to 40 mph range with some gusts topping out at 72 mph.

(TX-Z017) RANDALL COUNTY

04/12/22 17:17 CST	0	Wildfire
04/13/22 15:23 CST	0	

Prolonged drought conditions coupled with strong winds, low relative humidity, and receptive fuels contributed to critical fire weather conditions across the Texas Panhandle.

(TX-Z006) HARTLEY

04/13/22 14:46 CST	0	High Wind (MAX 57 kt)
04/13/22 14:46 CST	0	

A strong upper level system continued to move east crossing the Great Plains. This system that brought high winds mainly on the 12th, but there was one high wind gust measured on the 13th as well.

(TX-Z012) POTTER

04/20/22 16:24 CST	0	Wildfire
04/20/22 18:00 CST	0	

Prolonged drought conditions coupled with strong winds, low relative humidity, and receptive fuels contributed to critical fire weather conditions across the Texas Panhandle.

(TX-Z016) DEAF SMITH

04/21/22 18:00 CST	0	Wildfire
04/21/22 21:00 CST	0	

Prolonged drought conditions coupled with strong winds, low relative humidity, and receptive fuels contributed to critical fire weather conditions across the Texas Panhandle.

(TX-Z004) OCHILTREE, (TX-Z006) HARTLEY, (TX-Z007) MOORE, (TX-Z012) POTTER

04/22/22 12:51 CST	0	High Wind (MAX 57 kt)
04/23/22 00:35 CST	0	

A very strong upper level storm system moved across the Four Corners Region on the 22nd. This system brought a high wind event to the combined Oklahoma and Texas Panhandles during the day, and led to development of severe thunderstorms that produced hail up to the size of baseballs and wind gusts up to 75 mph in the late afternoon and evening.

DALLAM COUNTY --- 9.0 NE DALHART [36.16, -102.41]

04/22/22 15:41 CST	0	Hail (1.00 in)
04/22/22 15:41 CST	0	Source: COOP Observer

DALLAM COUNTY --- 1.8 NW KERRICK [36.50, -102.24]

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	04/22/22 17:10 CST		0	Hail (1.00 in)
	04/22/22 17:10 CST		0	Source: Public
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POTTER COUNTY --- 0.6 E VALLE DE ORO [35.45, -102.10], 10.1 ENE VALLE DE ORO [35.53, -101.96]				
	04/22/22 17:48 CST		0	Hail (2.50 in)
	04/22/22 17:52 CST		0	Source: Storm Chaser
Storm chasers and storm spotters reported hail between 1" and 2.5" in diameter from a storm that tracked through portions of Potter County.				
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MOORE COUNTY --- 2.6 ESE DUMAS [35.83, -101.93]				
	04/22/22 17:51 CST		0	Thunderstorm Wind (MG 63 kt)
	04/22/22 17:51 CST		0	Source: Mesonet
The mesonet station located near Dumas measured a thunderstorm wind gust of 73 mph at 1851 CDT.				
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MOORE COUNTY --- 5.7 E FOUR WAY [35.69, -101.87], 3.0 NNW LAKE MEREDITH [35.69, -101.69]				
	04/22/22 18:02 CST		0	Hail (1.50 in)
	04/22/22 18:16 CST		0	Source: Public
Multiple hail reports came in along FM 1913 west of Lake Meredith of hail between 1" and 1.5".				
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SHERMAN COUNTY --- 16.0 ESE LAUTZ [36.14, -101.76]				
	04/22/22 18:09 CST		0	Thunderstorm Wind (MG 66 kt)
	04/22/22 18:09 CST		0	Source: Mesonet
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ARMSTRONG COUNTY --- 19.3 W WASHBURN [35.15, -101.92], 16.4 W WASHBURN [35.17, -101.87]				
	04/22/22 18:18 CST		0	Hail (1.25 in)
	04/22/22 18:26 CST		0	Source: NWS Employee
Multiple reports of 1" to 1.25" in diameter were received between 1918 CDT and 1926 CDT across portions of southwest Amarillo. Some of these reports came in from NWS employees and some came from the public.				
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POTTER COUNTY --- 0.6 W AMARILLO [35.20, -101.83], 2.4 ESE AMARILLO [35.19, -101.78]				
	04/22/22 18:22 CST		0	Hail (1.75 in)
	04/22/22 18:25 CST		0	Source: Trained Spotter
Multiple reports were received between these two points of hail between 0.75" and 1.75" in diameter.				
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POTTER COUNTY --- 5.7 W AMARILLO [35.20, -101.92]				
	04/22/22 18:22 CST		0	Thunderstorm Wind (EG 61 kt)
	04/22/22 18:22 CST		0	Source: Trained Spotter
Part of a sign was blown off of the side of the hospital.				
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HUTCHINSON COUNTY --- 7.6 WNW STINNETT [35.85, -101.58], 9.8 WNW STINNETT [35.85, -101.62]				
	04/22/22 18:29 CST		0	Hail (2.00 in)
	04/22/22 18:32 CST		0	Source: Trained Spotter
Two reports came in for hail for 1.25" and 2" in diameter.				
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RANDALL COUNTY --- 13.9 S PALO DURO CANYON STATE PARK [34.75, -101.69]				
	04/22/22 19:00 CST		0	Hail (2.00 in)
	04/22/22 19:00 CST		0	Source: Storm Chaser
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HANSFORD COUNTY --- 7.0 S SPEARMAN [36.10, -101.22], 0.7 S SPEARMAN [36.19, -101.20]				
	04/22/22 19:10 CST		0	Hail (2.00 in)
	04/22/22 19:27 CST		0	Source: Storm Chaser
Several reports came in from a storm chasers and trained spotters for hail between 0.75" and 2" in diameter.				
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CARSON COUNTY --- 32.9 NNE CLAUDE [35.57, -101.18]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/22/22 19:28 CST		0	Hail (1.00 in)
	04/22/22 19:28 CST		0	Source: Trained Spotter
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ARMSTRONG COUNTY --- 10.3 WSW GOODNIGHT [34.96, -101.36], 0.9 SE CLAUDE [35.11, -101.36]				
	04/22/22 19:32 CST		0	Hail (1.75 in)
	04/22/22 19:49 CST		0	Source: Storm Chaser
Several reports from a storm chaser came in for hail between 1" and 1.75" in diameter along HWY 207 south of Claude.				
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OCHILTREE COUNTY --- WAKA [36.28, -101.05]				
	04/22/22 19:39 CST		0	Hail (2.00 in)
	04/22/22 19:39 CST		0	Source: Trained Spotter
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CARSON COUNTY --- 8.0 W GROOM [35.20, -101.24]				
	04/22/22 20:08 CST		0	Hail (2.00 in)
	04/22/22 20:08 CST		0	Source: Public
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GRAY COUNTY --- 0.9 NE LEFORS [35.44, -100.81], 5.2 SE HOOVER [35.55, -100.78]				
	04/22/22 20:41 CST		0	Hail (2.00 in)
	04/22/22 20:54 CST		0	Source: Public
Two hail reports of 2" diameter hail reports came in 13 min apart for the same storm.				
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ROBERTS COUNTY --- MIAMI [35.70, -100.63]				
	04/22/22 21:13 CST		0	Hail (1.90 in)
	04/22/22 21:13 CST		0	Source: Storm Chaser
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HEMPHILL COUNTY --- 4.8 S CANADIAN HEMPHILL AR [35.83, -100.40], 0.7 S CANADIAN HEMPHILL AR [35.89, -100.40]				
	04/22/22 21:32 CST		0	Hail (1.75 in)
	04/22/22 21:40 CST		0	Source: Storm Chaser
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HARTLEY COUNTY --- 0.7 N (DHT)DALHART MUNI AR [36.03, -102.55]				
	04/22/22 23:53 CST		0	Thunderstorm Wind (MG 51 kt)
	04/22/22 23:53 CST		0	Source: ASOS
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LIPSCOMB COUNTY --- 7.8 W LIPSCOMB [36.23, -100.41]				
	04/23/22 01:39 CST		0	Thunderstorm Wind (MG 51 kt)
	04/23/22 01:39 CST		0	Source: Mesonet
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OCHILTREE COUNTY --- PERRYTON [36.40, -100.80]				
	04/23/22 02:34 CST		0	Thunderstorm Wind (EG 56 kt)
	04/23/22 02:34 CST		0	Source: Public
Received a report of a residential fencing that was blown over.				
A very strong upper level storm system moved across the Four Corners Region on the 22nd. This system brought a high wind event to the combined Oklahoma and Texas Panhandles during the day, and led to development of severe thunderstorms. Wind shear and instability in the atmosphere associated with the approaching system led to supercell storms which were very efficient at producing large hail that exceeded 2 inches in some events.				
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(TX-Z012) POTTER				
	04/23/22 11:45 CST		0	Wildfire
	04/25/22 18:00 CST		0	
Prolonged drought conditions coupled with strong winds, low relative humidity, and receptive fuels contributed to critical fire weather conditions across the Texas Panhandle.				
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(TX-Z010) HEMPHILL, (TX-Z012) POTTER, (TX-Z013) CARSON, (TX-Z014) GRAY				
	04/23/22 11:57 CST		0	High Wind (MAX 54 kt)
	04/23/22 14:12 CST		0	

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Some strong winds aloft remained in place the day after a really strong upper level low impacted the combined OK/TX Panhandles with high winds and severe storms. (See April 22nd) Some of these stronger winds aloft were able to mix to the surface on the afternoon of the 23rd causing wind gusts in excess of 58 mph at a few locations.

(TX-Z011) OLDHAM

04/27/22 15:45 CST	0	Wildfire
04/27/22 19:30 CST	0	

Prolonged drought conditions coupled with strong winds, low relative humidity, and receptive fuels contributed to critical fire weather conditions across the Texas Panhandle.

HARTLEY COUNTY --- 0.7 S HARTLEY [35.87, -102.40]

04/27/22 18:40 CST	0	Hail (0.88 in)
04/27/22 18:40 CST	0	Source: Storm Chaser

HARTLEY COUNTY --- HARTLEY [35.88, -102.40]

04/27/22 18:40 CST	0	Hail (1.00 in)
04/27/22 18:40 CST	0	Source: Law Enforcement

MOORE COUNTY --- 0.9 NE MASTERTON [35.64, -101.96]

04/27/22 20:07 CST	0	Hail (1.00 in)
04/27/22 20:07 CST	0	Source: Storm Chaser

MOORE COUNTY --- 0.9 NE DUMAS [35.86, -101.96]

04/27/22 22:34 CST	0	Hail (1.00 in)
04/27/22 22:34 CST	0	Source: Trained Spotter

MOORE COUNTY --- 3.1 ESE DUMAS [35.83, -101.92]

04/27/22 22:34 CST	0	Thunderstorm Wind (MG 56 kt)
04/27/22 22:34 CST	0	Source: Mesonet

Two, one minute, wind gusts of 64 mph were reported by the Dumas West Texas mesonet station at 2334 and 2335 CDT.

HUTCHINSON COUNTY --- HUTCHINSON CO ARPT [35.70, -101.40]

04/27/22 23:26 CST	0	Thunderstorm Wind (MG 51 kt)
04/27/22 23:26 CST	0	Source: ASOS

An upper level disturbance moved across the combined OK/TX Panhandles on the evening of the 27th. This helped to spark some isolated to scattered thunderstorms across the area. There was just enough instability in the atmosphere along with stronger winds aloft to aide a couple of these storms to produce nickel to quarter size hail and wind gusts in excess of 58 mph across a few counties in the TX Panhandle.

(TX-Z016) DEAF SMITH

04/29/22 11:30 CST	0	Wildfire
04/29/22 18:00 CST	0	

Prolonged drought conditions coupled with strong winds, low relative humidity, and receptive fuels contributed to critical fire weather conditions across the Texas Panhandle.

(TX-Z006) HARTLEY

04/29/22 19:10 CST	0	Dust Storm
04/29/22 19:30 CST	0	

(TX-Z003) HANSFORD, (TX-Z010) HEMPHILL

04/29/22 19:15 CST	0	High Wind (MAX 53 kt)
04/29/22 20:24 CST	0	

A strong upper level low moved into the Central Plains from the Rockies. A cold front moved quickly southward across the eastern Plains of Colorado and strong winds spread into the western and central Oklahoma Panhandle and the northern Texas Panhandle. The winds brought a "wall of dust" through Boise City and Dalhart, where the visibility fell to 1/4 of a mile or less. Wind gusts to around 60

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mph were recorded at Guymon, Spearman and 10E of Miami.