

Storm Data and Unusual Weather Phenomena - March 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

	03/01/22 00:00 CST	0		Drought
	03/31/22 23:59 CST	0		

Dry conditions continued since August of 2021 with only a few isolated events bringing minimal precipitation to the combined Oklahoma and Texas Panhandles. Soil moisture remained short to very short with supplemental feeding required for cattle with bare pastures. Other concerns for ranchers was the threat of wildfires. Tillage and winter wheat needed irrigation in order to thrive. These drought conditions contributed to multiple wildfires when combined with high wind days and low relative humidity. Across the combined Texas and Oklahoma Panhandles, a total of 51082 acres were burned with 35 structures and 11 vehicles lost due to the fires.

(OK-Z002) TEXAS

	03/17/22 11:46 CST	0		High Wind (MAX 51 kt)
	03/17/22 11:46 CST	0		

A strong upper low pressure system sent a surface cold front through the combined Oklahoma and Texas Panhandles early in the day on the 17th. Strong northerly winds were present behind the front with even stronger wind gusts. Several ground observing stations were able to measure gusts between 58 and 64 mph across the combined Panhandles.

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

	03/21/22 21:00 CST	0		Winter Weather
	03/22/22 10:00 CST	0		

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

	03/22/22 10:50 CST	0		High Wind (MAX 54 kt)
	03/22/22 15:00 CST	0		

A strong upper level system moved through the combined Oklahoma and Texas Panhandles starting on the 21st and ending on the 22nd. This system brought some precipitation in the form of rain and snow and high winds. Winds were anywhere from 20 to 45 mph sustained, with gusts up to 64 mph. The night of the 21st, temperatures dropped to around 30 to 34 degrees Fahrenheit. Many areas stayed just above freezing with snow being very wet and heavy, which made it hard to be blown around by the wind. There was a small corridor just south of the Canadian River Valley where 6 to 9 inches of snow fell by the morning of the 22nd.

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

	03/29/22 09:35 CST	0		High Wind (MAX 61 kt)
	03/29/22 17:20 CST	0		

An upper level storm system brought a Pacific front through the combined Oklahoma and Texas Panhandles. The Pacific front brought westerly winds and dry air to the area. The pressure gradient along with strong winds aloft created breezy to windy sustained winds around 25 to 45 mph. With such strong winds aloft from this system many areas across the combined Panhandles experienced wind gusts between 58 and 64 mph. The strong winds combined with the extremely dry air, along with drought conditions in place, led to many wild fires breaking out across the area. These fires impacted Hemphill, Hutchinson, and Roberts County. A total of 48,568 acres were burned and multiple structures along with farm equipment were lost to the fires.

TEXAS, North Panhandle

(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) OLDDHAM, (TX-Z012) POTTER, (TX-Z013) CARSON, (TX-Z014) GRAY, (TX-Z015) WHEELER, (TX-Z016) DEAF SMITH, (TX-Z017) RANDALL COUNTY, (TX-Z018) ARMSTRONG, (TX-Z019) DONLEY, (TX-Z020) COLLINGSWORTH

	03/01/22 00:00 CST	0		Drought
	03/31/22 23:59 CST	0		

Dry conditions continued since August of 2021 with only a few isolated events bringing minimal precipitation to the combined Oklahoma and Texas Panhandles. Soil moisture remained short to very short with supplemental feeding required for cattle with bare pastures. Other concerns for ranchers was the threat of wildfires. Tillage and winter wheat needed irrigation in order to thrive. These drought conditions contributed to multiple wildfires when combined with high wind days and low relative humidity. Across the combined Texas and Oklahoma Panhandles, a total of 51082 acres were burned with 35 structures and 11 vehicles lost due to the fires.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(TX-Z012) POTTER				
	03/03/22 15:12 CST		0	Wildfire
	03/06/22 08:30 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 large wildfire developed in Potter County in the afternoon and continued through March 6th.</p>				
(TX-Z006) HARTLEY				
	03/14/22 10:05 CST		0	High Wind (MAX 53 kt)
	03/14/22 10:05 CST		0	
<p>During the morning of the 14th a strong cold front moved through the combined Oklahoma and Texas Panhandles bringing north winds around 30 to 35 mph. Some strong wind a loft from a passing low pressure system managed to mix down to the surface creating a wind gust of 61 mph that was measured by the Automated Surface Observing System (ASOS) located at the Dalhart Airport.</p>				
(TX-Z006) HARTLEY, (TX-Z007) MOORE, (TX-Z008) HUTCHINSON, (TX-Z011) OLDHAM				
	03/17/22 11:27 CST		0	High Wind (MAX 56 kt)
	03/17/22 18:08 CST		0	
<p>A strong upper low pressure system sent a surface cold front through the combined Oklahoma and Texas Panhandles early in the day on the 17th. Strong northerly winds were present behind the front with even stronger wind gusts. Several ground observing stations were able to measure gusts between 58 and 64 mph across the combined Panhandles.</p>				
(TX-Z002) SHERMAN, (TX-Z006) HARTLEY, (TX-Z007) MOORE, (TX-Z008) HUTCHINSON, (TX-Z010) HEMPHILL, (TX-Z011) OLDHAM, (TX-Z012) POTTER, (TX-Z014) GRAY, (TX-Z016) DEAF SMITH, (TX-Z017) RANDALL COUNTY, (TX-Z020) COLLINGSWORTH				
	03/21/22 14:29 CST		0	High Wind (MAX 57 kt)
	03/22/22 17:07 CST		0	
(TX-Z012) POTTER, (TX-Z017) RANDALL COUNTY				
	03/21/22 20:00 CST		0	Winter Storm
	03/22/22 10:55 CST		0	
(TX-Z004) OCHILTREE, (TX-Z005) LIPSCOMB, (TX-Z009) ROBERTS, (TX-Z010) HEMPHILL, (TX-Z011) OLDHAM, (TX-Z013) CARSON, (TX-Z014) GRAY, (TX-Z015) WHEELER, (TX-Z016) DEAF SMITH, (TX-Z018) ARMSTRONG				
	03/21/22 22:00 CST		0	Winter Weather
	03/22/22 10:00 CST		0	
<p>A strong upper level system moved through the combined Oklahoma and Texas Panhandles starting on the 21st and ending on the 22nd. This system brought precipitation in the form of rain and snow, and high winds. Winds were anywhere from 20 to 45 mph sustained, with gusts up to 64 mph. The night of the 21st, temperatures dropped to around 30 to 34 degrees Fahrenheit. Many areas stayed just above freezing with snow being very wet and heavy, which made it hard to be blown around by the wind but the snow stuck in tree branches and power lines leading to some damage and power outages mainly along portions of I-40 and along Highway 60 from Amarillo northeastward. There was a small corridor just south of the Canadian River Valley where 6 to 9 inches of snow fell by the morning of the 22nd.</p>				
(TX-Z006) HARTLEY, (TX-Z011) OLDHAM, (TX-Z016) DEAF SMITH				
	03/23/22 12:46 CST		0	High Wind (MAX 55 kt)
	03/23/22 15:10 CST		0	
<p>A strong cold front moved through the combined Oklahoma and Texas Panhandles early in the day on the 23rd. Breezy north to northwest winds around 25 to 35 mph impacted the Panhandles behind this front. A few locations in the far western Texas Panhandle managed to tap into stronger winds aloft and had wind gust top out around 58 to 63 mph.</p>				
(TX-Z013) CARSON				
	03/24/22 14:30 CST		0	Wildfire
	03/28/22 11:00 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 Carson County and continued through March 28th.</p>				
(TX-Z002) SHERMAN, (TX-Z003) HANSFORD, (TX-Z006) HARTLEY, (TX-Z007) MOORE, (TX-Z008) HUTCHINSON, (TX-Z010) HEMPHILL, (TX-Z011)				

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OLDHAM, (TX-Z012) POTTER, (TX-Z014) GRAY				
	03/29/22 09:59 CST		0	High Wind (MAX 56 kt)
	03/29/22 13:53 CST		0	

An upper level storm system brought a Pacific front through the combined Oklahoma and Texas Panhandles. The Pacific front brought westerly winds and dry air to the area. The pressure gradient along with strong winds aloft created breezy to windy sustained winds around 25 to 45 mph. With such strong winds aloft from this system many areas across the combined Panhandles experienced wind gusts between 58 and 64 mph. The strong winds combined with the extremely dry air, along with drought conditions in place, led to many wild fires breaking out across the area. These fires impacted Hemphill, Hutchinson, and Roberts County. A total of 48,568 acres were burned and multiple structures along with farm equipment were lost to the fires.

(TX-Z008) HUTCHINSON, (TX-Z009) ROBERTS, (TX-Z010) HEMPHILL				
	03/29/22 13:35 CST		0	Wildfire
	03/31/22 23:59 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. A few large wildfires developed on this day.

(TX-Z014) GRAY				
	03/31/22 14:00 CST		0	Wildfire
	03/31/22 23:59 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. A wildfire developed in Gray County and continued through April 1st.