

Storm Data and Unusual Weather Phenomena - March 2023

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

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

Soil conditions around the Oklahoma and Texas Panhandles were short to very short during the month of March. Moisture received during the month ranged from zero in the northeast to just under an inch for areas in the southwest Texas Panhandle. Wheat and oat conditions were in poor shape during the month. Farmers who could irrigate were applying water but could barely keep up. Preplanting was delayed dramatically during this March as well. High winds during the month caused quite a bit of erosion in dry fields and also led to high fire danger days. One wild fire did occur in Wheeler County which burned an estimated 1033 acres over the span of 3 hours. Overall conditions of pasture and rangelands were poor to very poor with cattle needing supplemental feeding.

(OK-Z002) TEXAS

	03/16/23 12:30 CST	0	High Wind (MAX 50 kt)
	03/16/23 12:30 CST	0	

Winds became northerly behind a cold front on the 16th of March and picked up to around 30-39 mph with a short period of gusts reaching 40-55 mph. The ASOS located at the Guymon airport in the Oklahoma Panhandle measured a wind gust as high as 58 mph during one instance.

(OK-Z002) TEXAS

	03/22/23 17:14 CST	0	High Wind (MAX 50 kt)
	03/22/23 17:14 CST	0	

The combined Oklahoma and Texas Panhandles came under some breezy and gusty southwest winds the late morning through the late afternoon hours. Sustained winds were around 35 to 40 mph with gusts as high as 50 to 55 mph. However, a couple of gusts between 58 and 62 mph were measured in the combined Panhandles.

(OK-Z001) CIMARRON

	03/30/23 11:20 CST	0	High Wind (MAX 36 kt)
	03/30/23 18:00 CST	0	

Breezy and gusty winds were present in the combined Oklahoma and Texas Panhandles on March 30th. Sustained winds were out of the southwest around 30 to 49 mph with short periods around 40 to 45 mph. Winds were also gusting as high as 50 to 57 mph, with periods of wind gusts reaching and exceeding 58 mph.

(OK-Z002) TEXAS

	03/31/23 16:29 CST	0	High Wind (MAX 52 kt)
	03/31/23 16:29 CST	0	

The last day of March was a breezy and gusty day. Winds across the combined Oklahoma and Texas Panhandles were under westerly winds with sustained speeds between 30 to 39 mph. Winds were primarily gusting between 50-57 mph but there were a few instances where the winds gusted higher during the afternoon where speeds were measured around 58-61 mph.

TEXAS, North Panhandle

(TX-Z001) DALLAM, (TX-Z002) SHERMAN, (TX-Z006) HARTLEY, (TX-Z007) MOORE, (TX-Z011) OLDHAM, (TX-Z012) POTTER, (TX-Z016) DEAF SMITH, (TX-Z017) RANDALL COUNTY

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

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(TX-Z008) HUTCHINSON				
	03/15/23 13:03 CST		0	High Wind (MAX 52 kt)
	03/15/23 13:03 CST		0	

Breezy south to southwesterly winds were present across the TX Panhandle on the 15th. Mostly winds were gusting as high as 50 mph. The ASOS located at the Borger airport did measure one wind gust as high as 60 mph though.

(TX-Z006) HARTLEY				
	03/22/23 14:39 CST		0	High Wind (MAX 54 kt)
	03/22/23 15:18 CST		0	

The combined Oklahoma and Texas Panhandles came under some breezy and gusty southwest winds the late morning through the late afternoon hours. Sustained winds were around 35 to 40 mph with gusts as high as 50 to 55 mph. However, a couple of of gusts between 58 and 62 mph were measured in the combined Panhandles.

(TX-Z001) DALLAM, (TX-Z006) HARTLEY				
	03/30/23 15:39 CST		0	High Wind (MAX 54 kt)
	03/30/23 16:53 CST		0	

Breezy and gusty winds were present in the combined Oklahoma and Texas Panhandles on March 30th. Sustained winds were out of the southwest around 30 to 49 mph with short periods around 40 to 45 mph. Winds were also gusting as high as 50 to 57 mph, with periods of wind gusts reaching and exceeding 58 mph.

(TX-Z005) LIPSCOMB, (TX-Z006) HARTLEY, (TX-Z007) MOORE, (TX-Z008) HUTCHINSON, (TX-Z011) OLDHAM, (TX-Z014) GRAY, (TX-Z016) DEAF SMITH				
	03/31/23 10:06 CST		0	High Wind (MAX 53 kt)
	03/31/23 13:02 CST		0	

The last day of March was a breezy and gusty day. Winds across the combined Oklahoma and Texas Panhandles were under westerly winds with sustained speeds between 30 to 39 mph. Winds were primarily gusting between 50-57 mph but there were a few instances where the winds gusted higher during the afternoon where speeds were measured around 58-61 mph.

(TX-Z015) WHEELER				
	03/31/23 11:32 CST		0	Wildfire
	03/31/23 14:30 CST		0	

A strong upper level system over northeast CO swung across the central Plains. Strong surface pressure gradients led to winds 30-40 mph with gusts 55-60 mph. A large grass fire burned in Wheeler County on the afternoon of March 31st where RH values got as low as 7 percent. Given the significantly dry fuels and the strong winds, the amount of time that it took to contain a fire that quickly spread to over 1000 acres was pretty good.