

Storm Data and Unusual Weather Phenomena - August 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

08/01/22 00:00 CST	0	Drought
08/31/22 23:59 CST	0	

Beneficial rains have remained isolated across the combined Oklahoma and Texas Panhandles through the month of August. Many areas across the combined Panhandles continued to remain in quite the deficit for rainfall with soil conditions remaining poor to very poor. Some areas did see an improvement with August rains but this was limited to the central to east-central Texas Panhandle. Drought conditions continued to keep rangelands bare, forcing ranchers to continue to sell off cattle as supplemental feeding has been too expensive this year especially when cattle should be grazing. Peanut farmers are expected to see a yield loss of 30% to 50% across much of West Texas into the Panhandle.

TEXAS COUNTY --- 1.7 E GOODWELL [36.60, -101.60]

08/29/22 14:40 CST	0	Thunderstorm Wind (MG 51 kt)
08/29/22 14:40 CST	0	Source: Mesonet

TEXAS COUNTY --- 2.8 E GOODWELL [36.60, -101.58]

08/29/22 14:44 CST	0	Hail (1.00 in)
08/29/22 14:44 CST	0	Source: Emergency Manager

Plenty of moisture and instability was found across the combined Oklahoma and Texas Panhandles on the afternoon of the 29th. Afternoon heating sparked some thunderstorms across much of the southwestern to central Texas Panhandle while another line of storms formed in the western to central Oklahoma Panhandle. Thunderstorms mainly reached severe strengths in Texas County, Oklahoma with some 1" hail and 59 mph wind gusts. In the Texas Panhandle, Potter and Randall County were mainly impacted by 1" hail but also heavy rainfall and wind gusts in upwards of 75 mph.

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-Z011) OLDHAM, (TX-Z015) WHEELER, (TX-Z016) DEAF SMITH, (TX-Z017) RANDALL COUNTY, (TX-Z018) ARMSTRONG, (TX-Z019) DONLEY, (TX-Z020) COLLINGSWORTH

08/01/22 00:00 CST	0	Drought
08/31/22 23:59 CST	0	

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(TX-Z014) GRAY

08/01/22 00:00 CST	0	Drought
08/09/22 18:00 CST	0	

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(TX-Z010) HEMPHILL

08/01/22 00:00 CST	0	Drought
08/16/22 18:00 CST	0	

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(TX-Z012) POTTER, (TX-Z013) CARSON

08/01/22 00:00 CST	0	Drought
08/23/22 18:00 CST	0	

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HUTCHINSON COUNTY --- 5.6 E BORGER [35.67, -101.28]

08/04/22 16:00 CST	0	Thunderstorm Wind (MG 53 kt)
08/04/22 16:13 CST	0	Source: Mesonet

CARSON COUNTY --- 6.5 SSW WHITE DEER [35.35, -101.24]

08/04/22 16:25 CST	0	Thunderstorm Wind (EG 70 kt)
08/04/22 16:25 CST	0	Source: Public

The roof of a well house was blown off and hit a gazebo, causing damage. The well house itself was blown over. Barn doors were damaged, and a few large tree limbs were blown down.

ARMSTRONG COUNTY --- 0.6 E GOODNIGHT [35.03, -101.19]

08/04/22 17:31 CST	0	Thunderstorm Wind (MG 55 kt)
08/04/22 17:31 CST	0	Source: Mesonet

During the afternoon of the 4th, plenty of moisture and daytime heating led to the development of thunderstorms across the central portions of the Texas Panhandle. A very unstable atmosphere helped these thunderstorms become strong with severe wind gusts exceeding 58 mph and even caused some damage.

MOORE COUNTY --- 2.2 NE DUMAS [35.87, -101.94], 3.2 NNE DUMAS [35.89, -101.94]

08/08/22 17:49 CST	0	Tornado (EF0, L: 1.38 mi, W: 40 yd)
08/08/22 17:55 CST	0	Source: NWS Storm Survey

The landspout tornado damaged some out buildings and ripped half the roof off an older mobile home which was one of the main damage indicators for this event. Several empty semi tractor trailers at a trucking company were flipped and pushed several yards. Toward the end of the damage path, the tornado destroyed a poorly constructed and old cabin/storage building. Power lines along the path were not damaged and a mobile home directly adjacent to the poorly constructed destroyed building only showed very minor damage. These factors suggest a high end EF0 rating with maximum winds around 85 mph. This survey utilized pictures and information provided by Moore County Emergency management. The landspout was well documented on video by numerous witnesses.

The combination of deep tropical moisture and a weak stalled frontal boundary led to scattered showers and thunderstorms across the southern Texas Panhandle initially, with activity spreading north through the afternoon and evening. There was moderate instability, but extremely weak wind shear present in the atmosphere and storms were disorganized, pulsy in nature. The strongest storms occurred where outflow boundaries collided in the late afternoon and evening. One strong boundary collision just east of Dumas, Texas led to an unusually strong and long-lived landspout that developed on the northern edge of a thunderstorm, which was generated by the boundary collision. The landspout moved nearly due north and was on the ground for around 6 minutes and just shy of 2 miles.

RANDALL COUNTY --- 3.1 WNW PALO DURO CANYON STATE PARK [34.97, -101.72]

08/29/22 03:07 CST	0	Hail (1.00 in)
08/29/22 03:07 CST	0	Source: Public

POTTER COUNTY --- 4.2 N (AMA)AMARILLO INTL A [35.28, -101.72]

08/29/22 14:25 CST	0	Hail (1.00 in)
08/29/22 14:25 CST	0	Source: Storm Chaser

RANDALL COUNTY --- 7.4 SW AMARILLO [35.13, -101.92]

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	08/29/22 14:34 CST		0	Hail (1.00 in)
	08/29/22 14:34 CST		0	Source: Public
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RANDALL COUNTY --- 6.6 SW AMARILLO [35.14, -101.91]				
	08/29/22 14:35 CST		0	Hail (1.00 in)
	08/29/22 14:35 CST		0	Source: Public
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RANDALL COUNTY --- 1.1 W LAKE TANGLEWOOD [35.06, -101.80]				
	08/29/22 14:56 CST		0	Thunderstorm Wind (EG 61 kt)
	08/29/22 14:56 CST		0	Source: NWS Employee
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Three to four inches diameter tree branches down in Tangle Aire subdivision.				
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RANDALL COUNTY --- 0.9 NW LAKE TANGLEWOOD [35.07, -101.79]				
	08/29/22 14:58 CST		0	Thunderstorm Wind (EG 65 kt)
	08/29/22 14:58 CST		0	Source: Trained Spotter
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Half of a tree was down with a diameter of approximately 12" to 18" at the Lake Tanglewood golf course.				
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RANDALL COUNTY --- 4.4 NW PALO DURO CANYON STATE PARK [34.99, -101.73]				
	08/29/22 15:05 CST		0	Thunderstorm Wind (EG 65 kt)
	08/29/22 15:05 CST		0	Source: Public
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Billboard boards blown off just west of Sunday Canyon Rd and TX HWY 217.				
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POTTER COUNTY --- 4.2 N (AMA)AMARILLO INTL A [35.28, -101.72], 4.2 N (AMA)AMARILLO INTL A [35.28, -101.72], 4.2 N (AMA)AMARILLO INTL A [35.28, -101.72], 4.1 N (AMA)AMARILLO INTL A [35.28, -101.72]				
	08/29/22 15:10 CST		0	Flood (due to Heavy Rain)
	08/29/22 15:10 CST		0	Source: Public
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Video received on social media showing water running over a rural road from ditch to ditch.				
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POTTER COUNTY --- 4.9 N (AMA)AMARILLO INTL A [35.29, -101.71], 4.7 N (AMA)AMARILLO INTL A [35.29, -101.71], 4.6 N (AMA)AMARILLO INTL A [35.29, -101.71], 4.8 N (AMA)AMARILLO INTL A [35.29, -101.71]				
	08/29/22 15:20 CST		0	Flash Flood (due to Heavy Rain)
	08/29/22 15:40 CST		0	Source: NWS Employee
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Three feet of running water was observed running over Webb Rd near HWY 136 where it dips down.				
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POTTER COUNTY --- 5.5 NNE (AMA)AMARILLO INTL A [35.30, -101.69], 5.6 NNE (AMA)AMARILLO INTL A [35.30, -101.69], 5.2 NNE (AMA)AMARILLO INTL A [35.29, -101.69], 5.1 NNE (AMA)AMARILLO INTL A [35.29, -101.69]				
	08/29/22 15:20 CST		0	Flood (due to Heavy Rain)
	08/29/22 15:20 CST		0	Source: NWS Employee
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Standing water of a couple to 6" observed on back roads in and around Parsley Rd and Bertrand south of HWY 136.				
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RANDALL COUNTY --- 2.2 NNW PALO DURO CANYON STATE PARK [34.98, -101.68], 2.0 NNW PALO DURO CANYON STATE PARK [34.98, -101.68], 1.8 NNW PALO DURO CANYON STATE PARK [34.98, -101.68], 1.8 NNW PALO DURO CANYON STATE PARK [34.97, -101.68]				
	08/29/22 16:00 CST		0	Flood (due to Heavy Rain)
	08/29/22 16:20 CST		0	Source: Broadcast Media
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Standing water seen on broadcast media webcam covering theater parking lot in Palo Duro State Park.				
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HANSFORD COUNTY --- 0.6 E SPEARMAN [36.20, -101.19]				
	08/29/22 21:33 CST		0	Thunderstorm Wind (EG 65 kt)
	08/29/22 21:33 CST		0	Source: Law Enforcement

Damage reported of downed trees on Kenneth AVE, along with a roof blown off of a shed, and a nearby baseball field dugout cover was blown over.

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Oklahoma with some 1" hail and 59 mph wind gusts. In the Texas Panhandle, Potter and Randall County were mainly impacted by 1" hail but also heavy rainfall and wind gusts in upwards of 75 mph.