

Storm Data and Unusual Weather Phenomena - November 2019

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

(TX-Z021) PARMER, (TX-Z022) CASTRO, (TX-Z023) SWISHER, (TX-Z024) BRISCOE, (TX-Z025) HALL, (TX-Z027) BAILEY, (TX-Z028) LAMB, (TX-Z029) HALE, (TX-Z030) FLOYD, (TX-Z039) YOAKUM, (TX-Z041) LYNN	11/26/19 12:30 CST	0	0	High Wind (MAX 56 kt)
	11/26/19 16:39 CST	0	0	

A strong upper level low strengthened over Arizona during the day on the 26th. At the same time, surface cyclogenesis significantly strengthened near the Oklahoma Panhandle/Kansas State line. Two distinct corridors of high winds developed during the afternoon hours. One of these was closer to the center of the low pressure system in the extreme southern Texas Panhandle into the northern South Plains. The second extended out of southeastern New Mexico into the Permian Basin and southern South Plains. The northernmost corridor of high winds was associated with several sustained winds at 40 mph or greater while the southernmost area did not experience this. The central South Plains saw a relative weakness in winds between these two areas and did not record any high winds.

High wind gusts below are from the Texas Tech University West Texas mesonet:

64 mph at Hart (Castro County), 64 mph at Earth (Lamb County), 63 mph at Dimmitt (Castro County), 63 mph at Vigo Park (Swisher County), 62 mph at Lesley (Hall County), 61 mph at Denver City (Yoakum County), 60 mph at O'Donnell (Lynn County), 60 mph at Happy (Swisher County), 60 mph at Olton (Lamb County), 60 mph at Turkey (Hall County), 60 mph at Muleshoe (Bailey County), 60 mph at Silverton (Briscoe County), 59 mph at Friona (Parmer County), 58 mph at Tulia (Swisher County), and 58 mph at South Plains (Floyd County).

Additionally, sustained winds of 40 mph or greater were observed at the following sites:

44 mph at Amherst (Lamb County), 44 mph at Caprock Canyons State Park (Briscoe County), and 43 mph at Aiken (Hale County).

(TX-Z021) PARMER, (TX-Z022) CASTRO, (TX-Z023) SWISHER, (TX-Z024) BRISCOE, (TX-Z027) BAILEY, (TX-Z028) LAMB, (TX-Z029) HALE, (TX-Z030) FLOYD, (TX-Z031) MOTLEY, (TX-Z033) COCHRAN, (TX-Z034) HOCKLEY, (TX-Z035) LUBBOCK	11/30/19 11:14 CST	0	0	High Wind (MAX 56 kt)
	11/30/19 14:40 CST	0	0	

A very strong short wave trough passed over the region on the 30th bringing high winds to the extreme Southern Texas Panhandle into the central South Plains. Winds at 700 mb were between 65 and 70 knots but a Pacific cold front in the morning limited atmospheric mixing to 750 mb. However, winds at 750 mb were still around 50 knots which were able to mix down to the surface by the afternoon. Notable wind damage was observed within the city of Lubbock (Lubbock County). Several utility poles were blown down and a storage shed was blown into a utility line.

High wind gusts from the Texas Tech University West Texas mesonet are below:

63 mph at Olton (Lamb County), 63 mph at Caprock Canyons State Park (Briscoe County), 63 mph at Plainview (Hale County), 62 mph at Silverton (Briscoe County), 61 mph at Friona (Parmer County), 61 mph at Morton (Cochran County), 61 mph at Aiken (Hale County), 60 mph at Dimmitt (Castro County), 60 mph at Northfield (Motley County), 60 mph at Earth (Lamb County), 60 mph at Vigo Park (Swisher County), 60 mph at Reese Center (Lubbock County), 60 mph at South Plains (Floyd County), 60 mph at Anton (Hockley County), 59 mph at Tulia (Swisher County), 58 mph at Abernathy (Hale County), 58 mph at Muleshoe (Bailey County), and 58 mph at Happy (Swisher County).