

Storm Data and Unusual Weather Phenomena - February 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

TEXAS, South Panhandle

(TX-Z021) PARMER, (TX-Z022) CASTRO, (TX-Z032) COTTLE, (TX-Z037) DICKENS, (TX-Z038) KING, (TX-Z039) YOAKUM, (TX-Z041) LYNN, (TX-Z042) GARZA, (TX-Z043) KENT, (TX-Z044) STONEWALL

02/04/20 10:00 CST	0	Heavy Snow
02/05/20 19:00 CST	0	

(TX-Z026) CHILDRESS, (TX-Z027) BAILEY, (TX-Z028) LAMB, (TX-Z031) MOTLEY, (TX-Z034) HOCKLEY, (TX-Z035) LUBBOCK, (TX-Z036) CROSBY, (TX-Z040) TERRY

02/04/20 10:00 CST	0	Winter Weather
02/05/20 16:00 CST	0	

On the fourth, a large upper level storm system was moving southeast across the Intermountain West. Out ahead of this storm system was a strong stream of moisture with embedded areas of lift associated with weaker short waves. The first of these short waves moved over south-central New Mexico into the southwestern Texas Panhandle. Moderate to heavy snow fell out of the concentrated band of precipitation from Friona through Dimmitt and Tulia. Snow totals of three to five inches were common by the time this snow band finally diminished late on the fourth. After a brief lull in activity, the main upper level storm system began to approach from the west. This caused a broad area of precipitation to develop across Far West Texas and the Permian Basin Tuesday night. Initially, some cold rain fell as it spread northeast, but it quickly changed to all snow over the South Plains and Rolling Plains as cold air deepened. This long-duration shield of snow was directed at the Rolling Plains, where snow persisted from Tuesday night through much of the day Wednesday before finally ending by evening. Most of the central and southern Rolling Plains tallied an impressive six to 12 inches of snow, double to triple their average seasonal snow totals.

Snowfall totals are listed below:

14.0 inches at Jayton (Kent County), 10.6 inches at Aspermont (Stonewall County), 9.5 inches at Lake Alan Henry (Garza County), 8.0 inches at Guthrie (King County), 7.5 inches at Post (Garza County), 7.0 inches at Spur (Dickens County), 5.5 inches at Friona (Parmer County), 4.5 inches at Denver City (Yoakum County), 4.5 inches at Tahoka (Lynn County), 4.0 inches at Paducah 10S (Cottle County), 4.0 inches at Hart (Castro County), 3.7 inches at Slaton (Lubbock County), 3.3 inches at Brownfield (Terry County), 3.0 inches at Kirkland (Childress County), 3.0 inches at Tulia (Swisher County), 2.7 inches at Muleshoe (Bailey County), 2.5 inches at Crosbyton (Crosby County), 2.0 inches at Roaring Springs (Motley County), 1.5 inches at Levelland (Hockley County), 1.3 inches at Childress (Childress County), 1.0 inches at Olton (Lamb County), and 1.0 inches at Lubbock (Lubbock County).

(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-Z031) MOTLEY, (TX-Z034) HOCKLEY, (TX-Z035) LUBBOCK

02/11/20 01:00 CST	0	Winter Weather
02/12/20 03:00 CST	0	

Several upper level short wave disturbances moved over the region from the 11th into the early morning hours of the 12th. The first of these was early in the morning on the 11th which brought approximately one to three inches of snow to the southern Texas Panhandle and northwestern South Plains. A lull in activity occurred during the afternoon before another upper level disturbance brought additional snow accumulations in the evening of the 11th through the early morning hours of the 12th.

Snowfall totals from NWS cooperative weather observers are listed below:

5.0 inches at Muleshoe (Bailey County), 4.5 inches at Morton (Cochran County), 4.5 inches at Friona (Parmer County), 4.0 inches at Hart (Castro County), 3.8 inches at Dimmitt (Castro County), 3.0 inches at Olton (Lamb County), 3.0 inches at Silverton (Briscoe County), 2.5 inches at Littlefield (Lamb County), 2.4 inches at Plainview (Hale County), 2.0 inches at Turkey (Hall County), 1.5 inches at Northfield (Motley County), 1.5 inches at Ropesville (Hockley County), 1.1 inches at Shallowater (Lubbock County), 1.0 inches at Levelland (Hockley County), and 1.0 inches at Matador (Motley County).

(TX-Z023) SWISHER, (TX-Z025) HALL, (TX-Z026) CHILDRESS, (TX-Z029) HALE

02/25/20 13:36 CST	0	High Wind (MAX 53 kt)
02/25/20 17:30 CST	0	

A strong upper level low pressure system was moving across southern Kansas on the afternoon of the 25th with a short wave moving around the southwestern quadrant of the system. Strong winds aloft were able to mix down to the surface by the afternoon across much of the Texas Panhandle. These strong winds extended into the extreme southern Texas Panhandle where sustained winds of 40 mph and greater were observed for several hours. Several Texas Tech University West Texas mesonet sites in the extreme southern Texas Panhandle measured sustained winds at or above 40 mph for several hours. The peak sustained wind reports are listed below:

47 mph at Happy (Swisher County), 46 mph at Vigo Park (Swisher County), 44 mph at Tulia (Swisher County), 44 mph at Lesley (Hall

Storm Data and Unusual Weather Phenomena - February 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	----------------------	------------------------	------------------------

County), and 42 mph at Aiken (Hale County). Additionally, the Automated Surface Observing System (ASOS) at Childress Municipal Airport recorded a wind gust to 61 mph.