

Storm Data and Unusual Weather Phenomena - August 2021

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

LYNN COUNTY --- 1.0 W O'DONNELL [32.97, -101.85]

	08/01/21 02:15 CST	0	Thunderstorm Wind (MG 54 kt)
	08/01/21 02:15 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near O'Donnell measured a wind gust to 62 mph.

Early in the morning of the first, a slow moving cold front enhanced by convective outflow boundaries produced scattered thunderstorms across the South Plains and Rolling Plains. One of these storms moved directly over the Texas Tech University West Texas mesonet site near O'Donnell generating a severe wind gust.

LUBBOCK COUNTY --- 6.0 SSW WOLFFORTH [33.42, -102.06]

	08/12/21 15:25 CST	0	Thunderstorm Wind (MG 53 kt)
	08/12/21 15:26 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Wolfforth measured severe wind gusts from 1525 CST through 1526 CST. A peak wind gust of 61 mph was measured at 1526 CST.

SWISHER COUNTY --- 2.0 ENE TULIA [34.54, -101.74]

	08/12/21 16:05 CST	0	Thunderstorm Wind (MG 58 kt)
	08/12/21 16:05 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Tulia measured a wind gust to 67 mph.

On the afternoon of the 12th, scattered thunderstorms developed across the central South Plains under a very deeply mixed and and hot atmosphere. A couple of these storms became severe over Lubbock and Swisher Counties.

HALL COUNTY --- 2.0 S LESLEY [34.64, -100.80]

	08/13/21 15:42 CST	0	Thunderstorm Wind (MG 55 kt)
	08/13/21 15:45 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Lesley measured severe wind gusts from 1542 CST through 1545 CST. A peak wind gust of 63 mph was measured between 1544 CST and 1545 CST.

LUBBOCK COUNTY --- 3.0 E BURRIS [33.53, -101.73]

	08/14/21 06:30 CST	0	Heavy Rain
	08/15/21 16:30 CST	0	Source: Trained Spotter

Heavy rainfall over central Lubbock County from Friday evening through Saturday morning caused a rise in the Double Mountain Fork of the Brazos River. Up to two feet of water was reportedly flowing over Farm to Market Road 835 west of Buffalo Springs Lake prompting the closure of the roadway . A USGS gage upstream of this location measured streamflow of up to 1200 cfs.

Abundant monsoonal moisture over the region combined with warm surface temperatures to create another afternoon of scattered thunderstorms across the entire region. Storms were mostly unorganized with the lack of shear available in the atmosphere. However, one storm was able to produce a severe wind gust in Hall County. Showers and thunderstorms persisted through the evening and early morning hours producing heavy rainfall. Many locations on the Caprock recorded anywhere from around 0.5 inch to 1.5 inches of rainfall. The heaviest rain fell across the central South Plains, including Lubbock, where 1.5 to 3.0 inches were common. This caused a rapid rise in the Double Mountain Fork of the Brazos near Buffalo Springs Lake. Water flowing over Farm to Market 835 prompted the road to be closed for much of the day on the 14th.

HALE COUNTY --- 2.5 WNW PLAINVIEW [34.21, -101.74]

	08/16/21 18:00 CST	0	Heavy Rain
	08/16/21 21:00 CST	0	Source: Law Enforcement

A very slow moving thunderstorm tracked across the northwestern portion of Plainview and produced heavy rainfall . The Sheriff's Office in Hale County reported that Farm to Market Road 194 was flooded on the north side of Plainview.

Numerous showers and thunderstorms continually redeveloped on the afternoon and evening of the 16th behind a large outflow boundary. A very moist atmosphere with weak shear allowed storms to produce very heavy rainfall. One of these storms produced heavy rain over the northern portion of the city of Plainview (Hale County). Several roads were reported to be flooded on the north side of Plainview.