

Climate and Weather Summary for August 2020

Temperatures in August averaged well-above normal at Abilene and San Angelo. Precipitation was below normal at San Angelo and well-below normal at Abilene. Table 1 summarizes August, 2020 temperature, precipitation, and departure from normal for Abilene and San Angelo.

Site	Average Temperature (°F)	Departure from Normal (°F)	Normal Average Temperature (°F)	Total Precipitation (In.)	Departure from Normal (In)	Normal August Precipitation (In.)
Abilene	85.9°	3.1°	82.8°	0.13"	-2.46"	2.59"
San Angelo	86.9°	4.2°	82.7°	1.85"	-0.41"	2.26"

Table 1: August Climate Data for Abilene and San Angelo.

Additional temperature and precipitation data for Abilene and San Angelo is summarized in Table 2.

Site	Warmest High Temperature (°F)	Warmest Low Temperature (°F)	Coollest High Temperature (°F)	Coollest Low Temperature (°F)	Maximum Daily Precipitation (In.)
Abilene	108° August 14	83° August 29	85° on August 3	63° on August 1	0.08" August 3
San Angelo	109° August 14	79° August 12, 28-30	88° on August 3	64° on August 4	1.35" August 22

Table 2: Additional August Climate Data for Abilene and San Angelo.

- **8th warmest August on record at Abilene**
- **9th driest August on record at Abilene**
- **4 days in August with lows 80 degrees or above at Abilene**

The number of days in August with high temperatures 100 degrees or more were 21 at San Angelo, and 15 at Abilene.

A Map of total precipitation for August is shown in Figure 1 (below). Percentage of normal precipitation for August is shown in Figure 2.

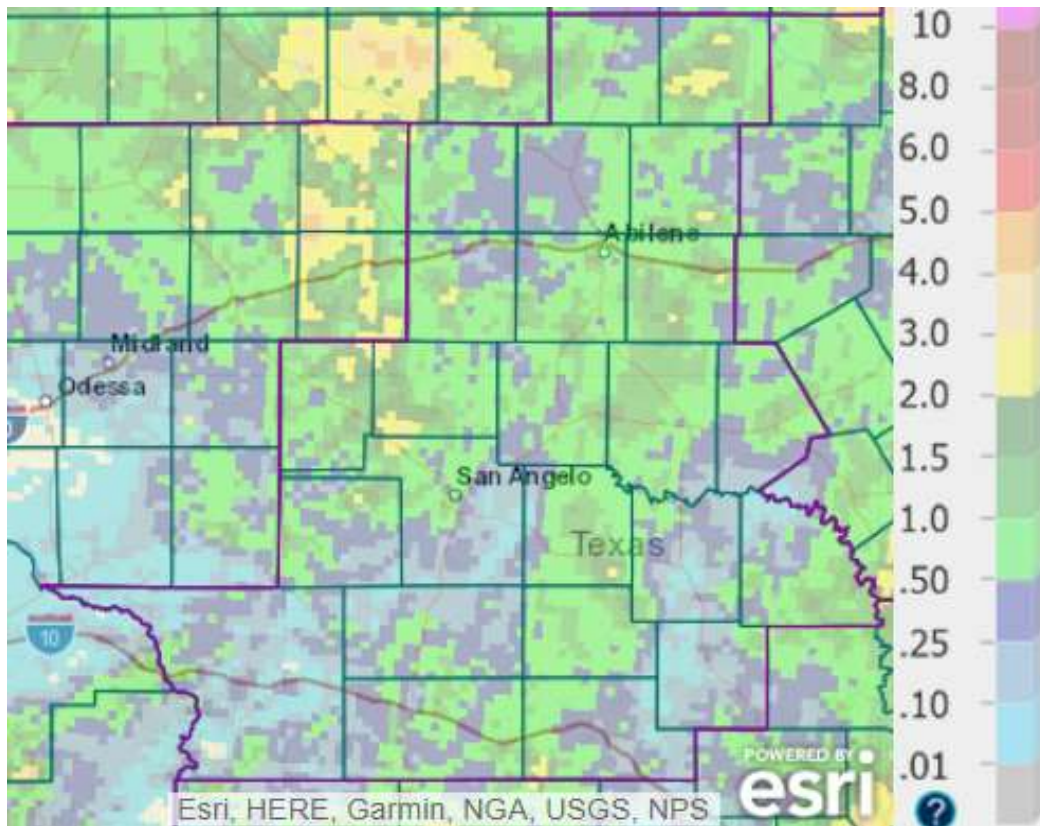


Figure 1: Total Precipitation for August.

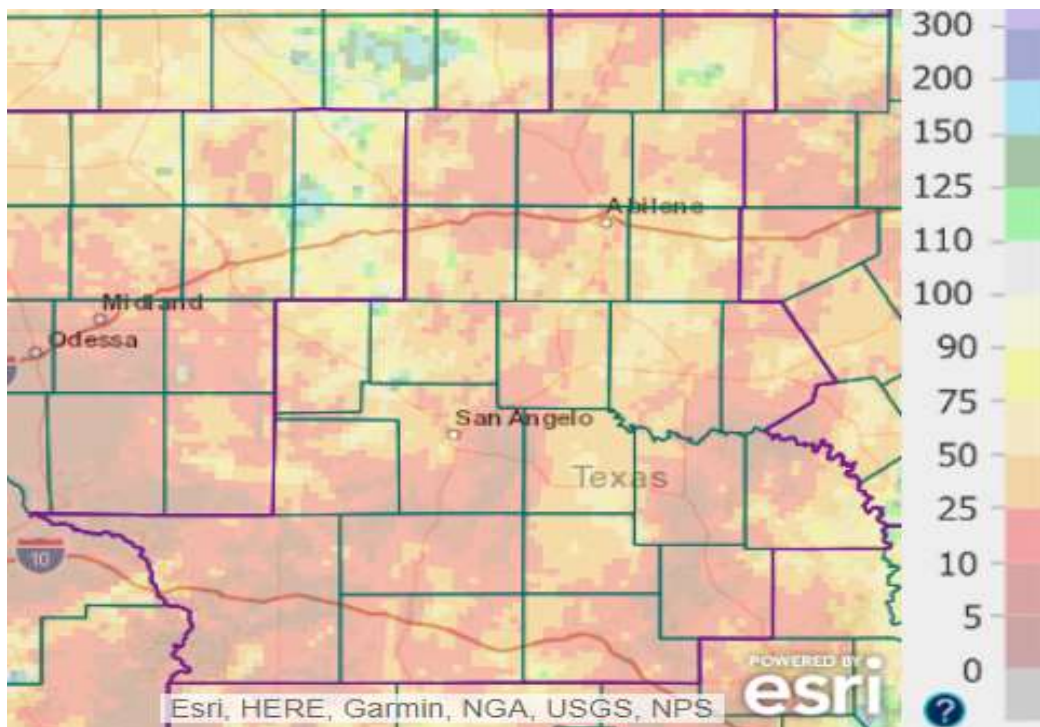


Figure 2: Percentage of Normal Precipitation for August.

Precipitation for August was well-below normal across most of [west-central Texas](#) (denoted by orange and red shading on the map in Fig. 2). The monthly precipitation was above normal at only a few isolated locations. The number of days with showers and thunderstorms was limited, and rainfall coverage was isolated to scattered.

Weather Highlights:

During the first two days of August, isolated to scattered showers and thunderstorms occurred across northern and central parts of west-central Texas, with weak northerly flow aloft.

Hot and dry conditions with above normal temperatures occurred Aug. 4-14, when an upper level high pressure system was located over Texas. Temperatures were hottest on the 14th and 15th, when highs were 104-109 degrees across most of the area.

Record high temperatures and record high minimum temperatures set or tied at San Angelo and Abilene:

San Angelo

New record high minimum temperature set (79 degrees) on Aug. 12.

New record high temperatures set on Aug. 14 (109 degrees) and Aug. 15 (107 degrees).

Abilene

Record high minimum temperature tied (80 degrees) on Aug. 12.

New record high minimum temperature set (81 degrees) on Aug. 14.

New record high temperatures set on Aug. 14 (108 degrees) and Aug. 15 (106 degrees).

Isolated to scattered showers and thunderstorms occurred across parts of west-central Texas on Aug. 15-16. Isolated showers and a few thunderstorms occurred on Aug. 17. This was facilitated by weak northerly flow aloft which developed over the area, as the upper level high pressure system began to shift west of Texas into the southwestern part of the country.

Strong, gusty north winds occurred across much of west-central Texas on the evening and nighttime hours of Aug. 16. This was associated with an unusually strong outflow boundary, which surged south across the area. A large cluster of strong to severe thunderstorms across northwestern and far northern parts of Texas generated this outflow boundary. Peak wind gusts with the passage of this outflow boundary are shown in Table 3.

Location	Peak Wind Speed (mph)
Clyde	59
Abilene	57
Throckmorton	54
Menard	51
Stamford	51
Brownwood	51
Weinert	50
Doole	48
Wall	47
Brady	47
Haskell	46
Fort Chadbourne	45
San Angelo	44
Mertzon	41
Coleman	41
Fort Mckavett	40
Rotan	40
Sweetwater 11 SW	40

Table 3: Peak wind gusts on August 16 (from automated weather stations).

[Strong and damaging downburst winds](#) occurred in San Angelo during the post-Midnight hours of Aug. 22. A cluster of thunderstorms moved south-southwest across the Concho Valley, and one of the storms intensified as it entered the San Angelo area. A peak wind gust of 86 mph occurred at the San Angelo Airport, causing damage to hangars and aircraft.

Temperatures were well-above normal on the last several days of August, with record or near record heat. Afternoon highs were 100-107 degrees across most of the area, with overnight lows in the mid 70s to lower 80s. Record highs and record high minimums broken/tied at San Angelo and Abilene.

Record high temperatures and record high minimum temperatures set or tied at San Angelo and Abilene:

San Angelo

New record high minimum temperatures set (79 degrees) on Aug. 28-29.

Record high temperature tied (104 degrees) on Aug. 31.

Abilene

Record high temperature tied (107 degrees) on Aug. 28.

New record high minimum temperature set (83 degrees) on Aug. 29.

New record high temperature set (105 degrees) on Aug. 29.

Scattered showers and thunderstorms occurred across the northwestern half of west-central Texas on the evening and early nighttime hours of Aug. 31. Some of the storms contained frequent lightning, gusty winds, and heavy rain. Mesonet sites recorded peak wind gusts of 50 mph near Haskell, and 44 mph 11 miles southwest of Sweetwater.

[Additional Tabular and Graphical Daily Climate Data](#)