

Climate and Weather Summary for August 2021

Temperatures in August averaged below normal at San Angelo and slightly below normal at Abilene. Precipitation was well-above normal at San Angelo, and well-below normal at Abilene. Table 1 summarizes August 2021 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 Aug. Precipitation (In.)
Abilene	83.5°	-0.7°	84.2°	0.57"	-1.96"	2.53"
San Angelo	81.9°	-2.2°	84.1°	5.31"	2.89	2.42"

Table 1: Aug. 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)	Coolest High Temperature (°F)	Coolest Low Temperature (°F)	Maximum Daily Precipitation (In.)
Abilene	102° Aug. 8, 9	77° Aug. 1, 9	80° on Aug. 17	59° on Aug. 3	0.36" Aug. 18
San Angelo	101° on Aug. 8, 9	76° on Aug. 9	81° on Aug. 17	61° on Aug. 3	2.62" Aug. 17

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

- 9th wettest August on record at San Angelo
- Significant rainfall in the Concho Valley and southern parts of west-central Texas on Aug. 15, 17
- Total number of days in Aug. with high temperatures 100 degrees or more were 3 at San Angelo and 4 at Abilene

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

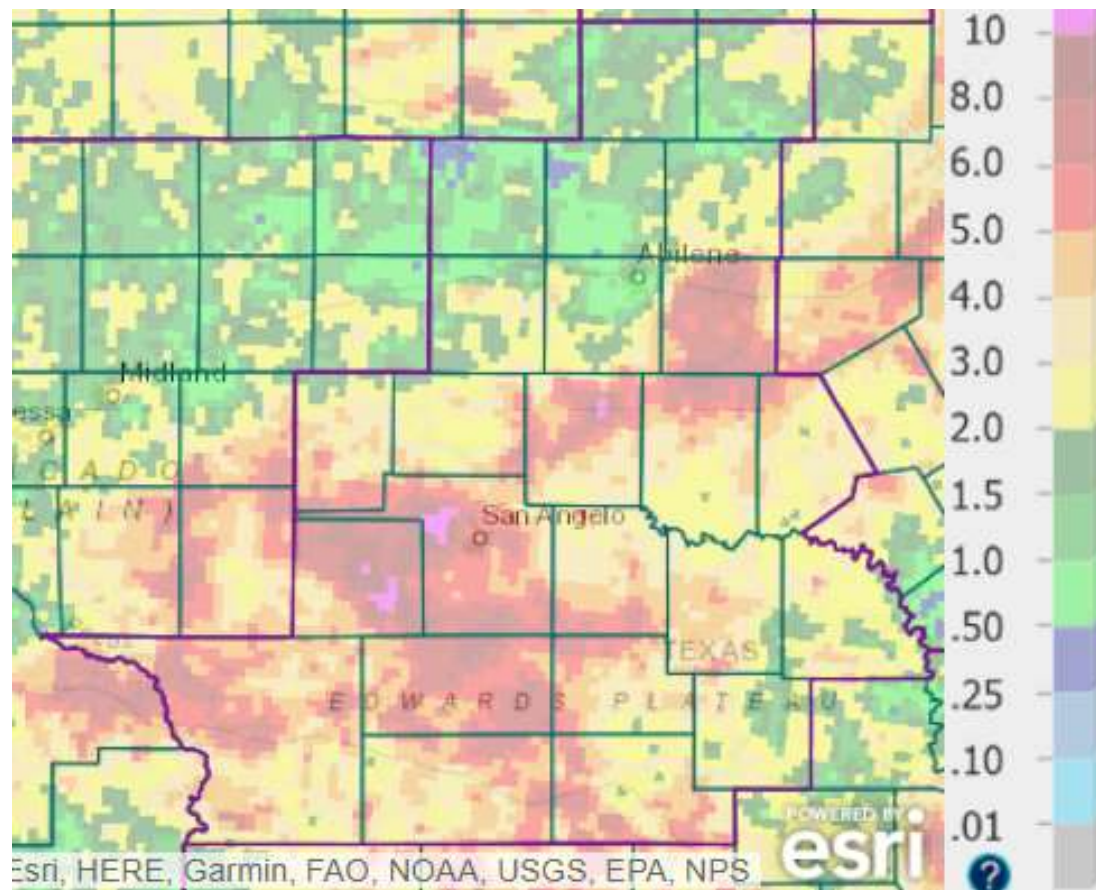


Figure 1: Total Precipitation for August.

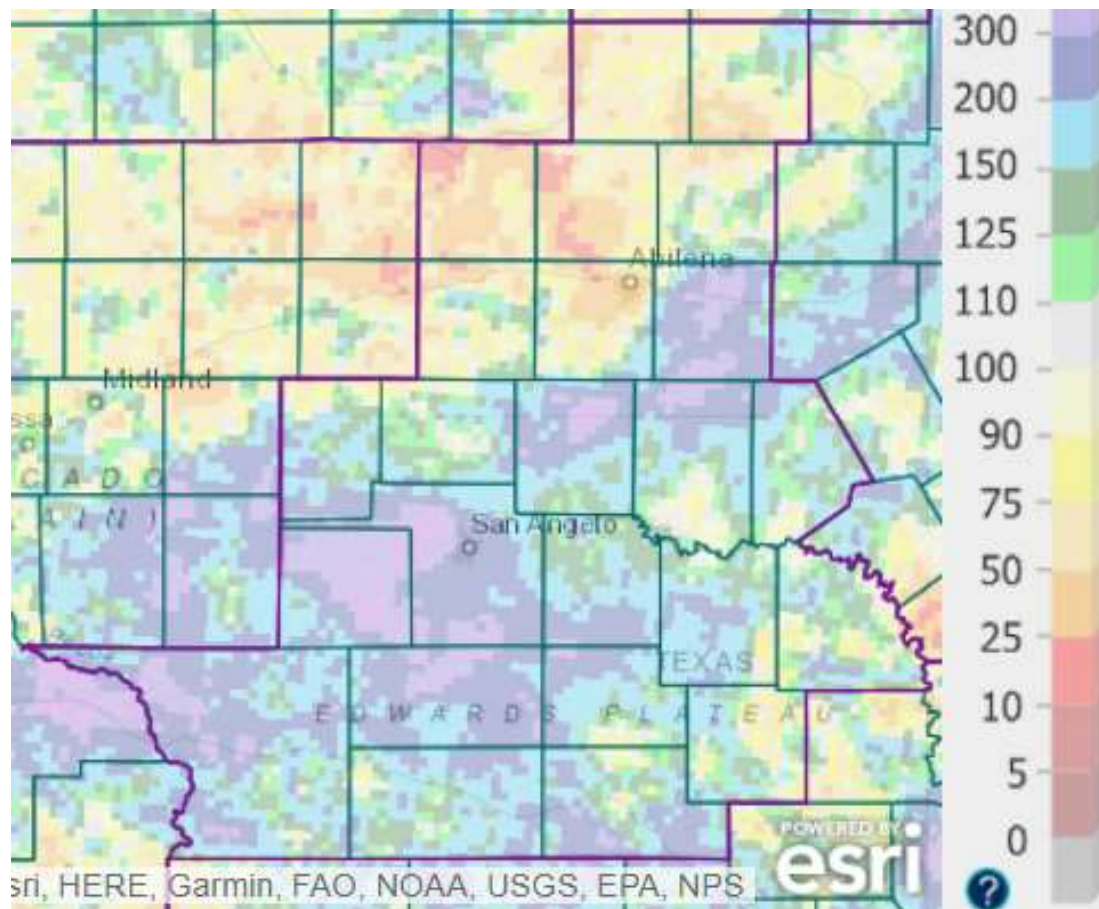


Figure 2: Percentage of Normal Precipitation for August.

Precipitation for August varied from well-above to well-below normal across [west-central Texas](#). August rainfall was highest (5 to 10 inches with a few locally higher amounts) from the southeastern Big Country across some of the Concho Valley, and extending into southern parts of west-central Texas. The lowest August rainfall (less than one inch) occurred across some of the Big Country (light green shading on the map in Fig. 1), where a few locations received less than one-half inch (blue shading in Fig. 1).

August 2021 Weather Highlights

Seasonably hot and dry conditions prevailed Aug. 6-16, when an upper level high pressure system was in close enough proximity to be the dominant weather influence.

A period of unsettled weather occurred Aug. 15-17. The upper level high pressure system weakened over the area, and allowed a couple of upper level disturbances to drift over the area. With unstable and rather moist air, showers and thunderstorms with heavy rainfall affected various parts of the area.

A cluster of thunderstorms with frequent lightning affected San Angelo on the early morning of Aug. 15. Lightning strikes resulted in power outages to some parts of the city, and a hotel was struck by lightning. Very heavy rainfall (1.5 to 3 inches) caused street flooding.

On Aug. 17, an area of showers and thunderstorms with very heavy rain moved slowly east across the Concho Valley and southern parts of west-central Texas. Heavy rainfall caused flash flooding of streets in San Angelo.

Water runoff from the heavy rainfall Aug. 15 and 17 led to minor water level increases in a couple of reservoirs around San Angelo.

Conditions were hot and unusually humid on the afternoon of Aug. 19. With temperatures in the lower 90s and dewpoints in the lower to mid 70s, heat indices were 100-105 degrees, making it feel oppressive.

An upper level high pressure system over the Gulf Coast gradually expanded west over Texas Aug. 19-25. This resulted in warmer (and closer to normal) temperatures with no precipitation.

Late in the month, widely scattered afternoon and evening showers and thunderstorms occurred across southern and southeastern parts of the area, on Aug. 26-28. On Aug. 29-31, scattered showers and thunderstorms occurred across the southern half of west-central Texas, with isolated coverage farther north in the Big Country.

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