

## Climate and Weather Summary for August 2018

Temperatures in August averaged above normal at Abilene and San Angelo. Table 1 summarizes August 2018 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	84.1°	1.3°	82.8°	1.67"	-0.92"	2.59"
San Angelo	84.0°	1.3°	82.7°	3.60"	1.34"	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	101° on August 18	80° on August 28	74° on August 13	63° on August 1	0.97" on August 13
San Angelo	101° on August 7, 8	77° on August 8	74° on August 12	62° on August 1	2.33" on August 12

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

- August precipitation was well-above normal at San Angelo, and below normal at Abilene.
- Number of days with high temperatures 100 degrees or more were: 6 at San Angelo, 4 at Abilene, and 3 at Junction.

A map of total precipitation for August is shown in Figure 1. Percentage of normal precipitation for August is shown in Figure 2.

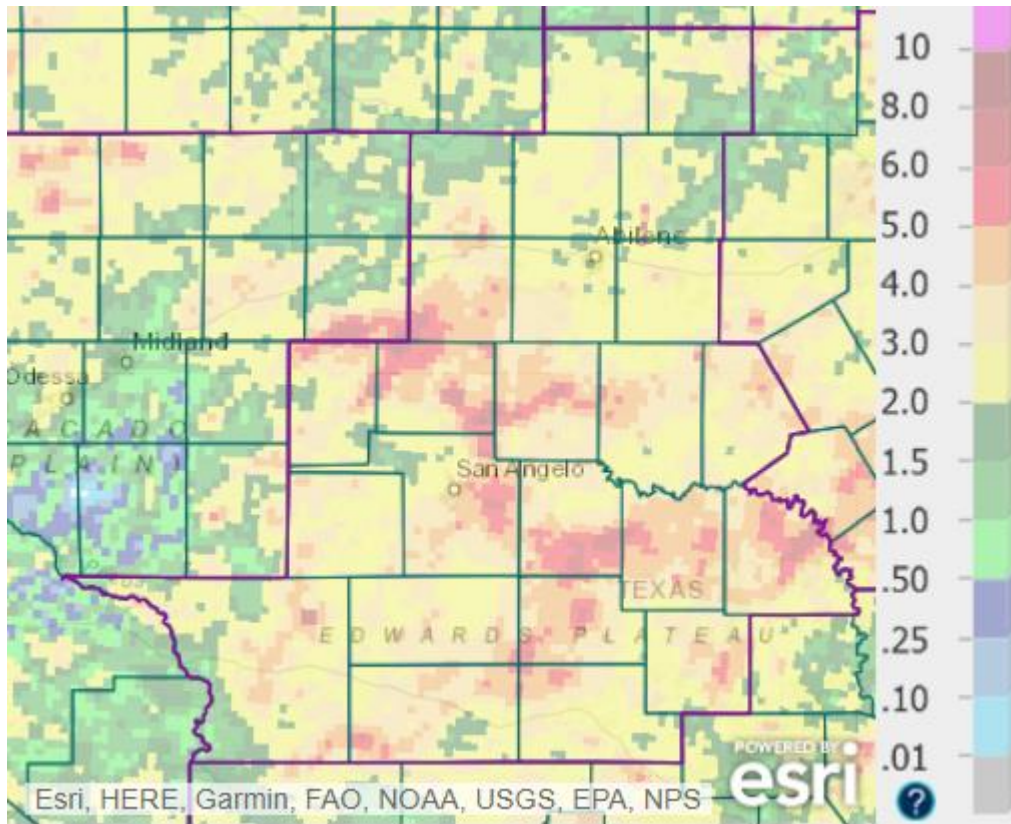


Figure 1: Total Precipitation for August.

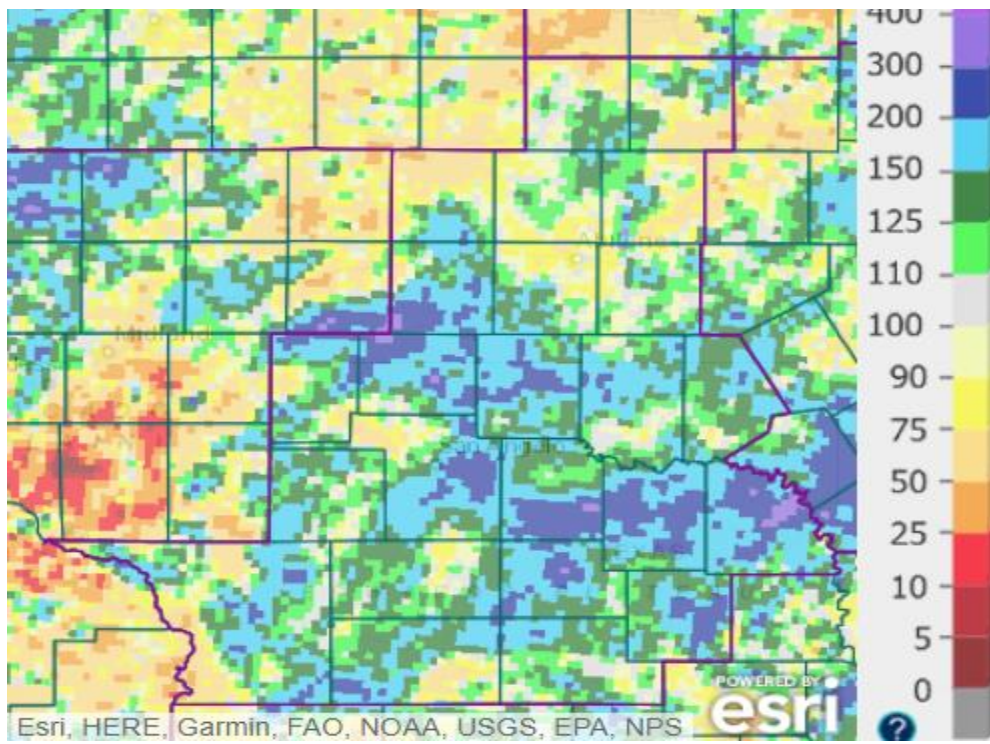


Figure 2: Percentage of Normal Precipitation for August.

Precipitation for August varied from well-above normal to below normal across [west-central Texas](#).

**Weather Highlights:**

Hot and dry conditions occurred during the first week of August, with an upper level high pressure system over the area. Daily highs were mostly 95-100 degrees, with a few locations slightly above or below this temperature range.

Significant rainfall occurred during the second week of August, along with cooler temperatures. The upper level high pressure system shifted northwest of Texas and into the western part of the U.S. With this change in the pattern, an upper level disturbance and weak cold front brought showers and thunderstorms to much of the area on Aug. 9-10. With considerable cloud cover, temperatures were confined to the upper 70s to lower 80s for highs across most of the area on the 10<sup>th</sup>.

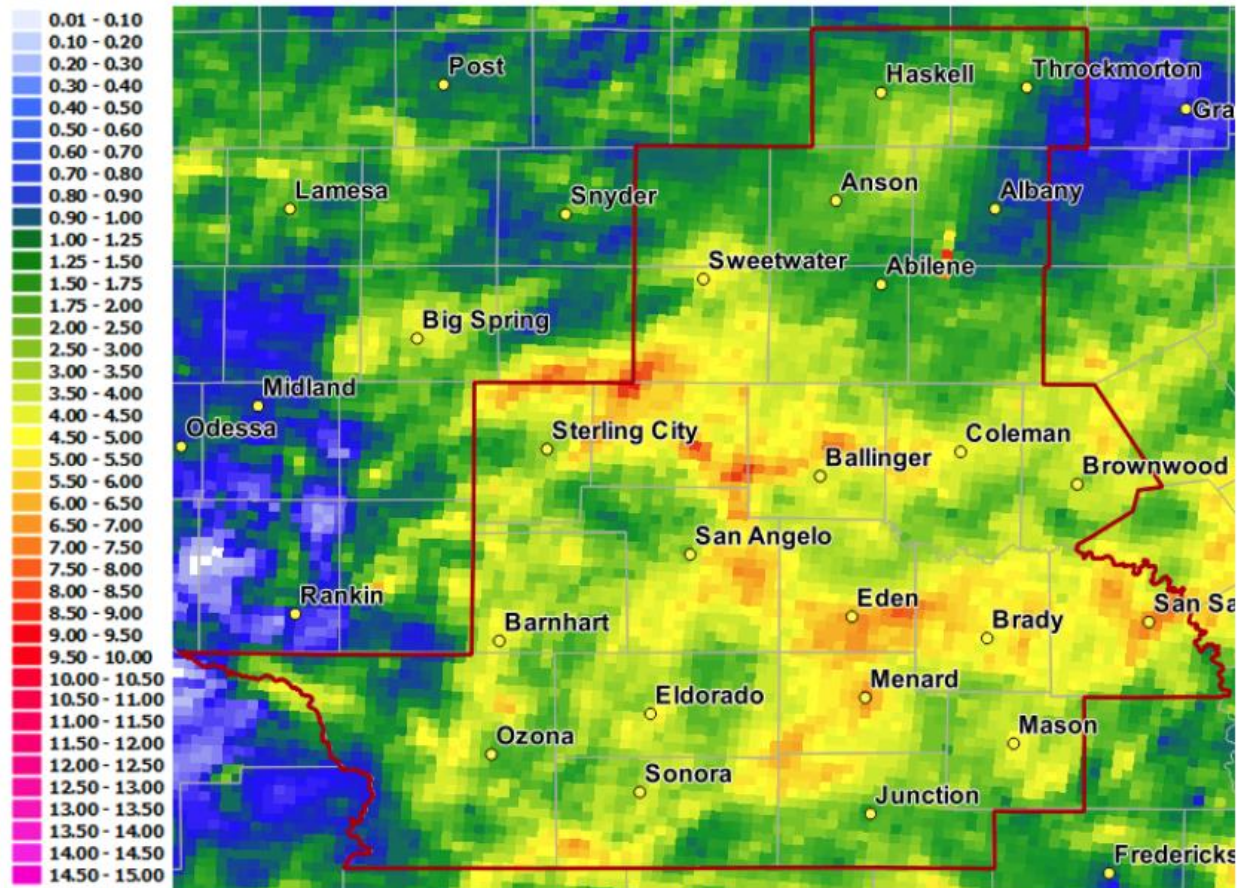
A couple of rounds of showers and thunderstorms, with more widespread coverage and heavy rainfall, affected the area on Aug. 12-13. This occurred as a weak upper level low pressure system developed over West Texas and then moved slowly north toward the Panhandle. The favorable position and track of this system was combined with a rather moist airmass over the area.

Total rainfall for Aug. 7-14 is shown in Figure 3.



## Seven Day Rainfall Total

7 Day Rainfall Ending: Aug 14 2018 7:00AM



Note: Rainfall amounts consist of both rain gauge data and radar precipitation estimates.

**Figure 3: Total Rainfall for the 7-day period ending at 7 AM, August 14.**

The highest rainfall amounts (5 to 8 inches) occurred in parts of central and southern sections of west-central Texas (orange and red shading). The yellow shading in Figure 3 shows where rainfall amounts were 3-5 inches, while green shading denotes 1-3 inches. Some minor, localized flooding occurred as a result of the heavy rainfall.

After an extensive period of expanding and worsening drought conditions during the summer, this rainfall was beneficial in the short term for the area. With rather limited runoff, however, only very minor increases to area lake and reservoir levels were recorded.

Temperatures were much cooler across various parts of west-central Texas with extensive cloud cover and the rain on Aug. 12-13. Highs were in the 70s across much of the area on the 13<sup>th</sup>. New record low maximum temperatures (in both cases, 74 degrees) were set at San Angelo on the 12<sup>th</sup>, and at Abilene on the 13<sup>th</sup>.

Temperatures more typical of August returned during the following days, as a high pressure system aloft expanded over Texas. A few showers and thunderstorms occurred across various parts of the area on Aug. 18-19. The coverage was low, but rainfall was locally heavy.

Temperatures in late August were above normal, and the upper level high pressure system remained over Texas through the end of the month.

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