

Climate and Weather Summary for September 2021

Temperatures in September averaged above normal at Abilene and slightly above normal at San Angelo. Precipitation was well-below normal at San Angelo, and slightly below normal at Abilene. Table 1 summarizes September 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 Sep. Precipitation (In.)
Abilene	79.9°	3.1°	76.8°	2.58"	-0.09"	2.67"
San Angelo	78.0°	0.9°	77.1°	0.39"	-2.12	2.51"

Table 1: Sep. 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	104° on Sep. 20	76° on Sep. 2	84° on Sep. 22	48° on Sep. 22	2.18" Sep. 30
San Angelo	102° on Sep. 20	74° on Sep. 2	82° on Sep. 22	44° on Sep. 23	0.32" Sep. 30

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

- A few severe storms and locally heavy rainfall in various parts of west-central Texas on September 30.
- Abilene and San Angelo each recorded one day in September with high temperatures of 100 degrees or more.

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

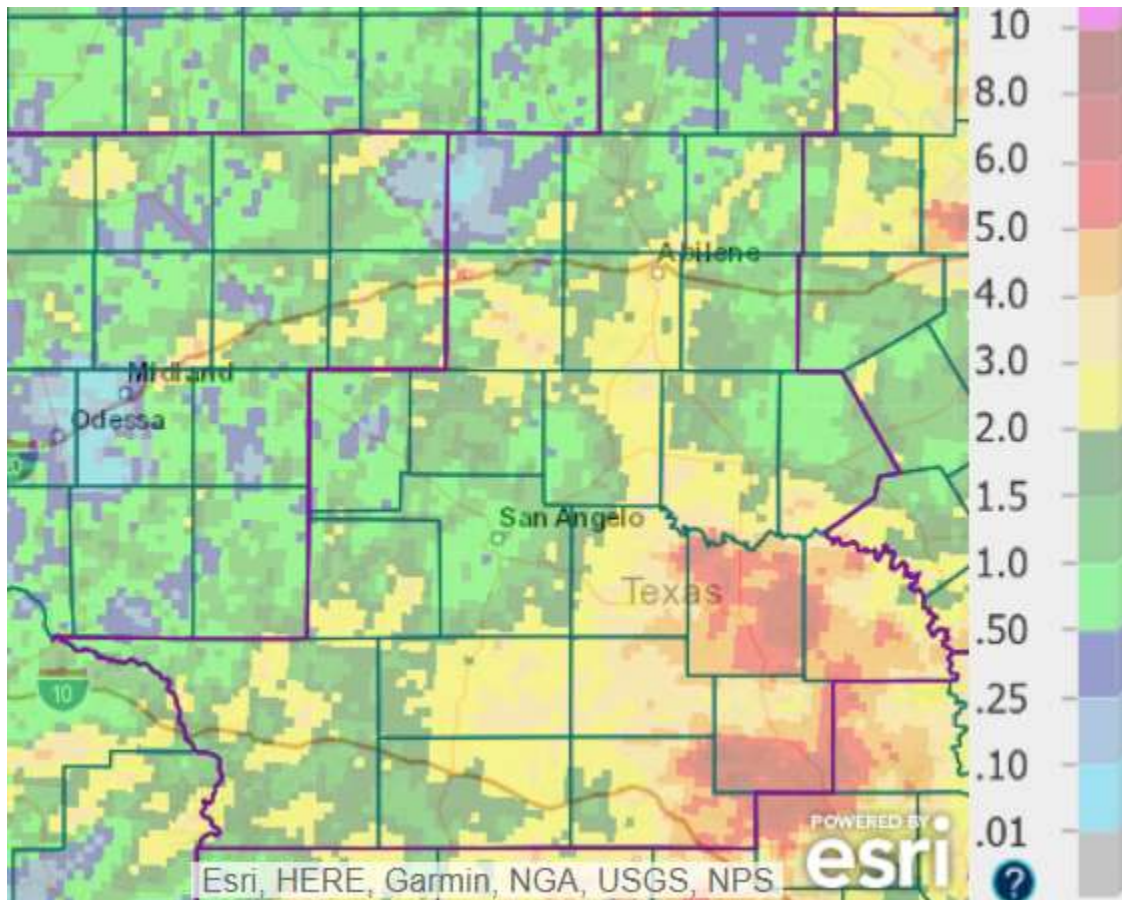


Figure 1: Total Precipitation for September.

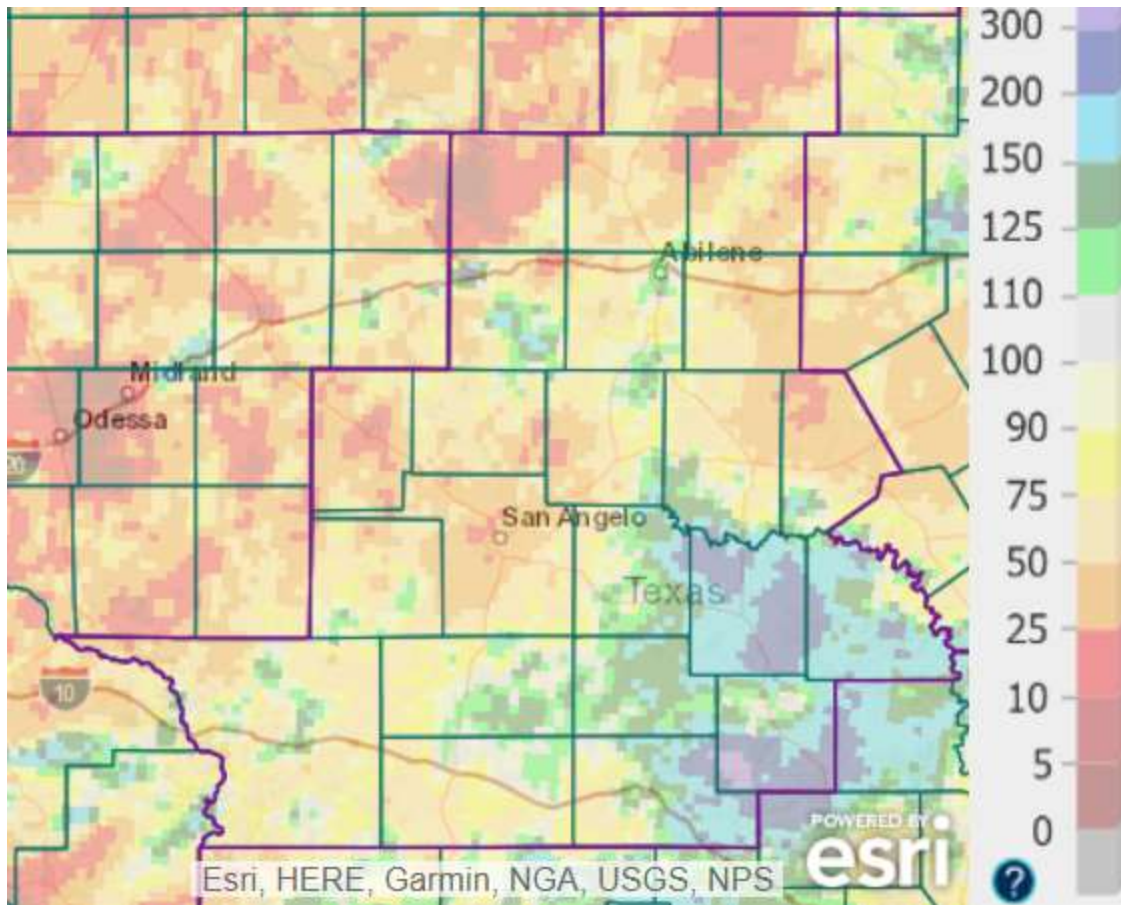


Figure 2: Percentage of Normal Precipitation for September.

Precipitation for September varied from well-above to well-below normal across [west-central Texas](#). September rainfall was 4-7 inches and well-above normal in southeastern parts of the area (much of the southern Heartland and parts of the Northwest Hill Country). September rainfall was generally well-below normal (orange and red shading in Fig. 2) in much of the Big Country and Concho Valley, northern Heartland, and in northwestern Crockett County. The lowest September rainfall was less than one-half inch in parts of the northern and western Big Country, and in a small part of Sterling County (blue shading in Fig. 1).

September 2021 Weather Highlights

Showers and thunderstorms occurred across various parts of west-central Texas Sep. 1-8. The coverage was higher on Sep. 6 across central and southern parts of the area, and on Sep. 8 across the area north of Interstate 10 and south of a Big Lake-San Angelo-Richland Springs line. Some of the rainfall was locally heavy. Conditions were somewhat humid, and daily temperatures averaged above normal.

Drier air filtered into the area on Sep. 9. Seasonably hot temperatures continued but the airmass was noticeably drier on Sep. 10-12. An upper level high pressure system shifted east over northern and central parts of Texas during that time.

Isolated to widely scattered showers and thunderstorms occurred from the late evening of Sep. 17 into the early morning of Sep. 18 across northern and western parts of the Big Country and Concho Valley.

Additional isolated to widely scattered showers and storms occurred in southern parts of west-central Texas on the afternoon and early evening of Sep. 18.

The hottest temperatures for the month occurred on Sep. 20, when highs were in the upper 90s to 104 degrees.

An appreciable change to cooler and drier conditions occurred with a fairly strong cold frontal passage on Sep. 21. Breezy north-northeast winds followed the cold frontal passage. Cool air and dry air with diminishing winds allowed temperatures to drop into the upper 40s and 50s for early morning lows on Sep. 22, and in the 40s and 50s for lows on Sep. 23-24.

With the influence of a weak upper level high pressure system, a warming trend followed in the last several days of the month, with daily highs increasing into the lower to mid 90s.

On Sep. 30, scattered strong to severe thunderstorms occurred in the Big Country and central parts of west-central Texas in the afternoon. Scattered strong to severe storms developed into southern parts of the area during the evening and nighttime hours. Half-dollar size hail was reported at Sweetwater, and in Kimble County 2 miles north of London. Wind damage was reported 4 miles south of Roscoe in Nolan County. A semi-trailer truck was blown over, and 2 power poles were toppled. In addition, a pivotal irrigation system was blown over. Locally heavy rainfall also accompanied the storms. Very heavy rainfall caused flash flooding of streets in Abilene, resulting in several water rescues. A home in Abilene was also flooded. The Abilene Regional Airport recorded 2.18 inches of rainfall on Sep. 30.

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