

## Climate and Weather Summary for September 2019

Temperatures in September averaged well-above normal at Abilene and San Angelo. Precipitation was well-below normal at Abilene and San Angelo. Table 1 summarizes September 2019 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 September Precipitation (In.)
Abilene	84.0°	8.5°	75.5°	0.83"	-1.41"	2.24"
San Angelo	83.5°	7.9°	75.6°	0.27"	-2.19"	2.46"

**Table 1: September Climate Data for Abilene and San Angelo.**

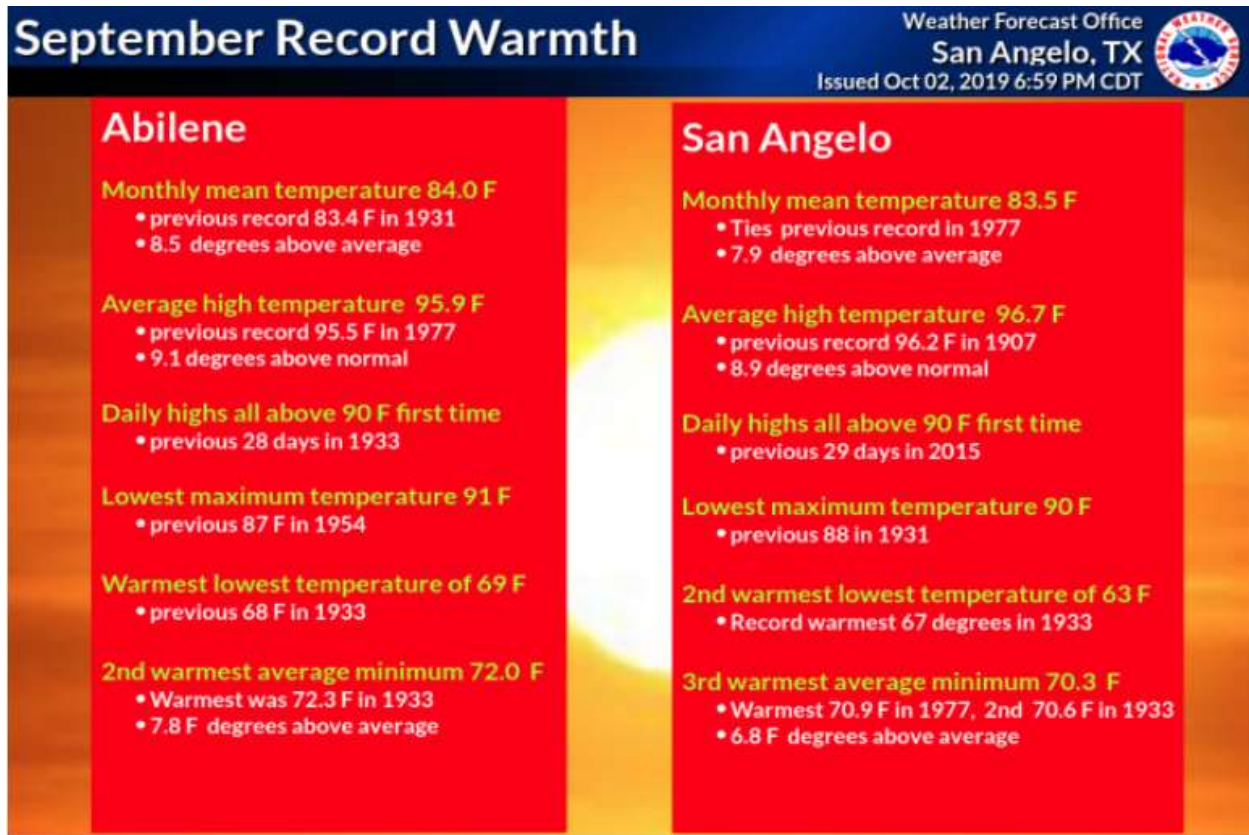
Additional temperature and precipitation data for Abilene and San Angelo is summarized in Table 2.

Site	Warmest High Temperature (°F)	Warmest Low Temperature (°F)	Coollest High Temperature (°F)	Coollest Low Temperature (°F)	Maximum Daily Precipitation (In.)
Abilene	99° on Sep. 6, 7	76° on Sep. 22	91° on Sep. 13	69° on Sep. 2, 11, 14, 15	0.51" Sep. 23
San Angelo	102° on Sep. 19	76° on Sep. 20, 21, 28	90° on Sep. 11	63° on Sep. 15	0.27" Sep. 10

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

- **This was the warmest September on record at Abilene. At San Angelo, the record warmest September was tied (with September, 1977).**
- Abilene and San Angelo had the highest number of September days with high temperatures 95 degrees or above. Abilene recorded 24 days, eclipsing the previous record of 21 days set in 1931. San Angelo recorded 23 days, surpassing the previous record of 22 days set in 1926.
- At San Angelo and Abilene, record high temperatures and record high minimum temperatures were newly set or tied on several days in September.

Information on additional noteworthy September temperature records is shown in the graphic below.



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

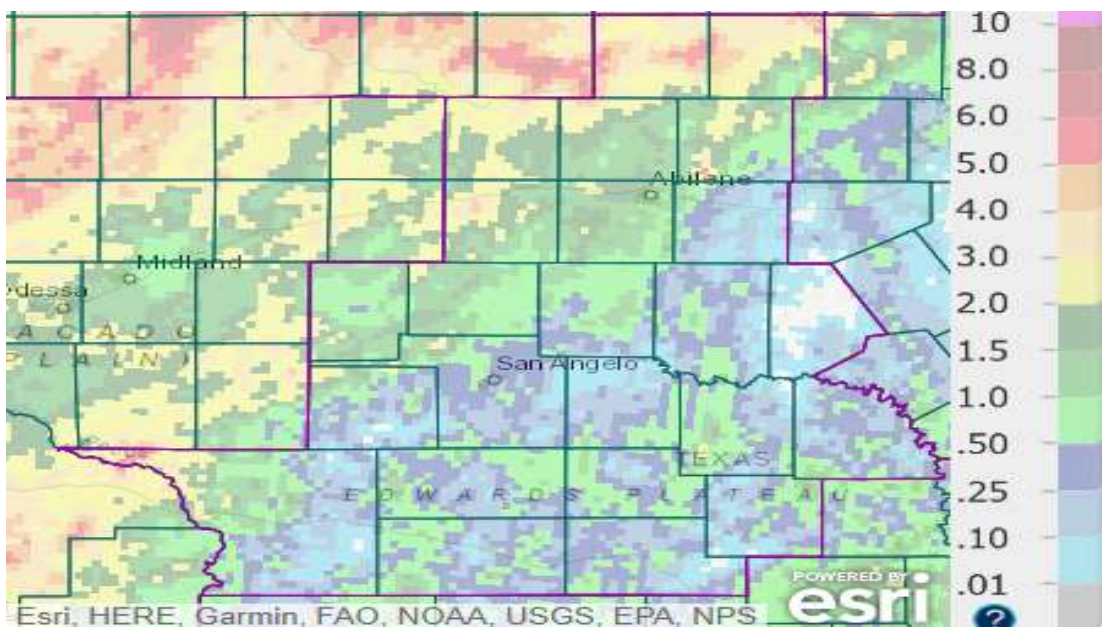
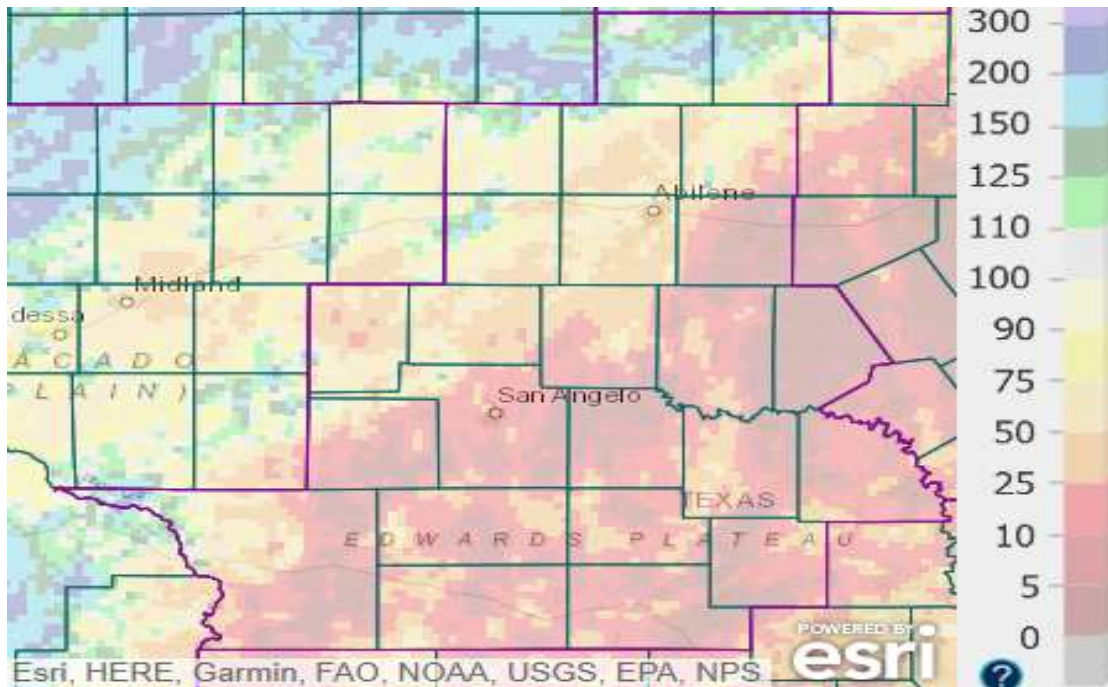


Figure 1: Total Precipitation for September.



**Figure 2: Percentage of Normal Precipitation for September.**

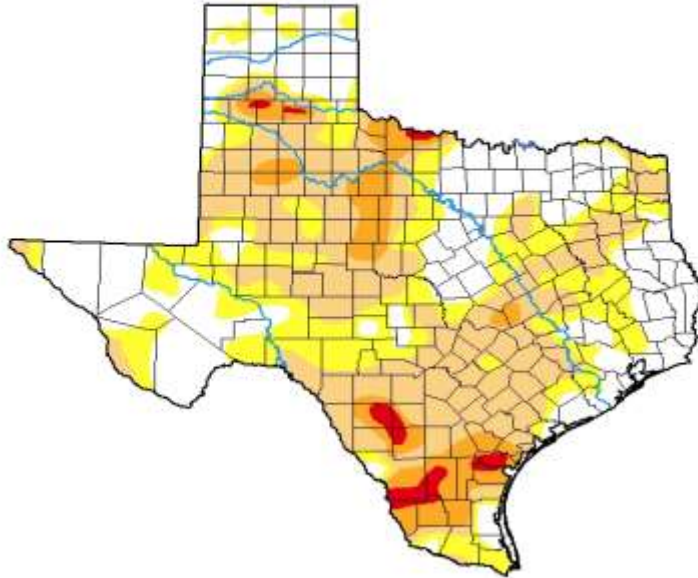
Rainfall for September varied from above to well-below normal across [west-central Texas](#). The highest monthly rainfall amounts (3-4 inches with localized pockets over 5 inches) were across parts of the northern and western [Big Country](#), western [Concho Valley](#), and northwestern Crockett County (yellow, orange and red shading in Figure 1). The monthly rainfall was less than one-half inch for a sizeable portion of the southern third of west-central Texas, the southern and eastern Concho Valley, the Heartland area, and the southeastern Big Country (blue shading in Figure 1). This rainfall was less than 25 percent of normal (red shading in Figure 2), and some locations received less than 10 percent of normal (dark red shading in Figure 2). Normal September rainfall (not shown) is mostly between 2 and 3 inches across west-central Texas.

**Weather Highlights:**

Summer-like heat and dry conditions prevailed in September. Upper level high pressure systems were in close enough proximity to be our dominant weather influence for most of the month. Isolated to scattered showers and thunderstorms occurred on several occasions in various parts of west-central Texas. Rainfall was locally heavy, but was limited in coverage. Overall, northern and western parts of west-central Texas received more rainfall than southern and eastern parts of the area. With the persistent hot and dry conditions, drought conditions worsened across most of the area during the month. Comparative maps with the U.S. Drought Monitor for Texas are shown, for early and late September, in Figures 3 and 4 below.

**U.S. Drought Monitor**  
**Texas**

**September 3, 2019**  
(Released Thursday, Sep. 5, 2019)  
Valid 8 a.m. EDT



**Intensity:**

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.*

**Author:**

David Miskus  
NOAA/NWS/NCEP/CPC

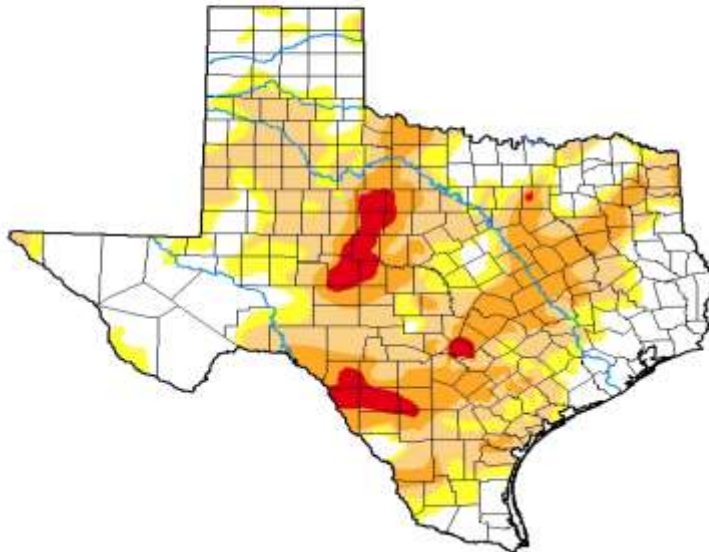


[droughtmonitor.unl.edu](http://droughtmonitor.unl.edu)

Figure 3: U.S. Drought Monitor for Texas September 3.

**U.S. Drought Monitor**  
**Texas**

**September 24, 2019**  
(Released Thursday, Sep. 26, 2019)  
Valid 8 a.m. EDT



**Intensity:**

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.*

**Author:**

Eric Luebehusen  
U.S. Department of Agriculture



[droughtmonitor.unl.edu](http://droughtmonitor.unl.edu)

Figure 4: U.S. Drought Monitor for Texas September 24.

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