

Climate and Weather Summary for September 2025

Temperatures in September averaged above normal at Abilene, and slightly below normal at San Angelo. Precipitation was below normal at San Angelo and well-below normal at Abilene. Table 1 summarizes September 2025 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	79.7°	2.9°	76.8°	1.33"	-1.34"	2.67"
San Angelo	76.8°	-0.2°	77.0°	1.80"	-0.71"	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)	Coollest High Temperature (°F)	Coollest Low Temperature (°F)	Maximum Daily Precipitation (In.)
Abilene	104° on Sep. 4	76° on Sep. 22	80° on Sep. 6	60° Sep. 3, 6, 25, 30	0.64" Sep. 24
San Angelo	100° on Sep. 23	73° on Sep. 23	80° on Sep. 6	55° Sep. 27, 30	1.42" Sep. 24

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

- New daily record high temperatures were set at Abilene Sep. 22 (103°) and Sep. 23 (102°). A record warm low temperature was tied at Abilene Sep. 22 (76°).
- The number of days with temperatures 100° or more were 3 at Abilene 1 at San Angelo.

Maps of total precipitation and percentage of normal precipitation, for June, are in Figures 1 and 2.

Precipitation (in)
9/1/2025 – 9/30/2025

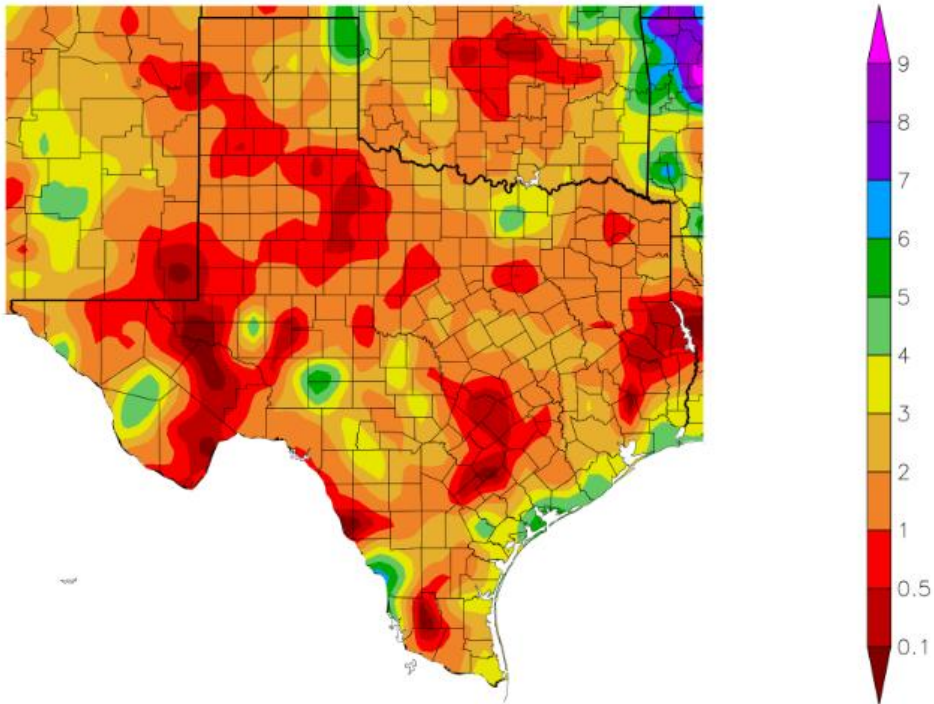


Figure 1: Total Precipitation for September.

Percent of Normal Precipitation (%)
9/1/2025 – 9/30/2025

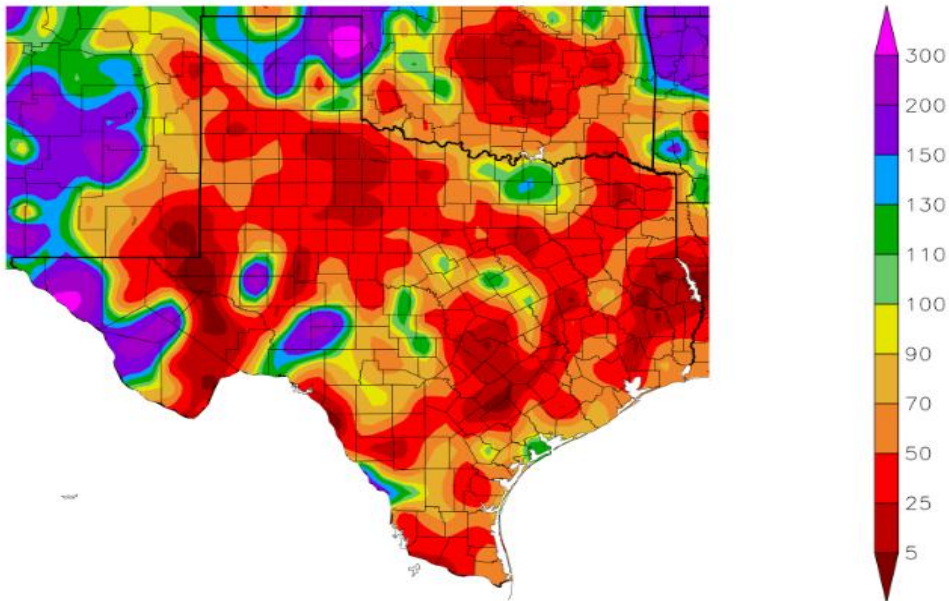


Figure 2: Percentage of Normal Precipitation for September.

Precipitation for September varied from well-above to well-below normal in [west-central Texas](#). For the Big Country and parts of the Concho Valley and Heartland, September rainfall was less than 50 percent of normal (red shading in Fig. 2). For some of the the Northern Edwards Plateau, rainfall for September was more than 150 percent of normal (purple shading in Fig. 2).

September 2025 Weather Highlights

September began with dry weather (Sep. 1-5). Temperatures were hotter Sep. 4-5, when afternoon highs were in the upper 90s to 102 degrees in much of the Big Country and Concho Valley. Scattered showers and thunderstorms with locally heavy rain occurred Sep. 5. Thunderstorm winds gusted to 51 mph at the San Angelo Airport, and 48 mph at the Abilene Airport. Although not common in early September, the upper level flow pattern over the Midwest allowed a cold front to move south across west-central Texas during the overnight hours of Sep. 5-6. Additional widely scattered showers and storms occurred in various parts of the area Sep. 6. More concentrated showers and a few thunderstorms occurred in southern parts of the area between 10 PM Sep. 6 and 2 PM Sep. 7. On the morning of Sep. 7 in Sutton County, multiple low water crossings around Sonora had 1 to 3 feet of flowing water. With increased cloud cover in the days following the cold frontal passage, temperatures were cooler Sep. 6-8. Highs were generally in the mid 70s to lower 80s Sep. 6, upper 70s to mid 80s Sep. 7, and in the 80s Sep. 8.

A return to hotter and drier conditions occurred Sep. 9-16, when an upper level high pressure system was over Texas and the southern Plains. Daily highs were in the upper 80s to mid 90s across the area during this time frame. With a passing upper level disturbance to the north of the area, a few showers occurred in northern and central parts of the area between 7 PM Sep. 13 and 1 AM Sep. 14, and during the day into the early evening of the 14th. A few showers occurred Sep. 15 in the Big Country, in the afternoon and early evening.

Daily highs were near to above normal Sep. 17-21. The upper level high pressure system became re-centered over northern Mexico, but was in close enough proximity to have an influence on temperatures. With weak upper level disturbances, weakly unstable air and marginally sufficient moisture, isolated to widely scattered showers and thunderstorms occurred in parts of the area Sep. 21.

Temperatures were summer-like Sep. 22-23, when highs were in the mid 90s to 103 degrees. At Abilene, a new record high temperature was set (103°) Sep. 22, and the record warm low temperature for that date was tied (76°). Abilene also had a new record high Sep. 23 (102°).

Showers and thunderstorms occurred across west-central Texas Sep. 23 into the morning of Sep. 24, with the influence of an upper level disturbance and the arrival of a cold front. With a band of storms during the post-Midnight hours of Sep. 24, a 78 mph wind gust was recorded by a Mesonet station near Sterling City. Heavy rainfall accompanied the showers and storms. [A map of area rainfall amounts was posted on our office Facebook page](#). Rainfall amounts generally varied from one half inch to 1.5 inches, with some pockets of higher amounts. Temperatures were considerably cooler Sep. 24 as cloud cover lingered over the area.

High pressure gradually settled southeast across the area Sep. 25-27 and lingered Sep. 28. This was accompanied by drier air. As a result, skies were mostly clear with cooler nights (lows mostly in the 50s

to lower 60s) and seasonably warm days (highs in the 80s). The arrival of a weak upper level disturbance brought increased cloud cover to the area Sep. 29.