

Climate and Weather Summary for December 2024

Temperatures in December averaged above well-above normal at Abilene and San Angelo. Precipitation was below normal at Abilene and well-below normal at San Angelo. Table 1 summarizes December 2024 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 Dec. Precipitation (In.) |
|------------|--------------------------|----------------------------|---------------------------------|---------------------------|-----------------------------|---------------------------------|
| Abilene | 52.7° | 5.4° | 47.3° | 0.68" | -0.58" | 1.26" |
| San Angelo | 53.5° | 3.8° | 48.4° | 0.24" | -0.65" | 0.89" |

Table 1: Dec. 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) | Coldest High Temperature (°F) | Coldest Low Temperature (°F) | Maximum Daily Precipitation (In.) |
|------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-----------------------------------|
| Abilene | 79° on Dec. 30 | 55° on Dec. 23 | 47° on Dec. 7 | 30° on Dec. 11 | 0.64" Dec. 7 |
| San Angelo | 82° on Dec. 30 | 52° on Dec. 16 | 48° Dec. 6, 7 | 26° on Dec. 11 | 0.21" Dec. 7 |

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

- 3rd warmest December on record at San Angelo (mean monthly temperature 53.5°).
- 3rd warmest December on record at Abilene (mean monthly temperature 52.7°).

Maps of total precipitation and percentage of normal precipitation, for December, are shown in Figures 1 and 2 (next 2 pages).

Precipitation (in)

12/1/2024 – 12/31/2024

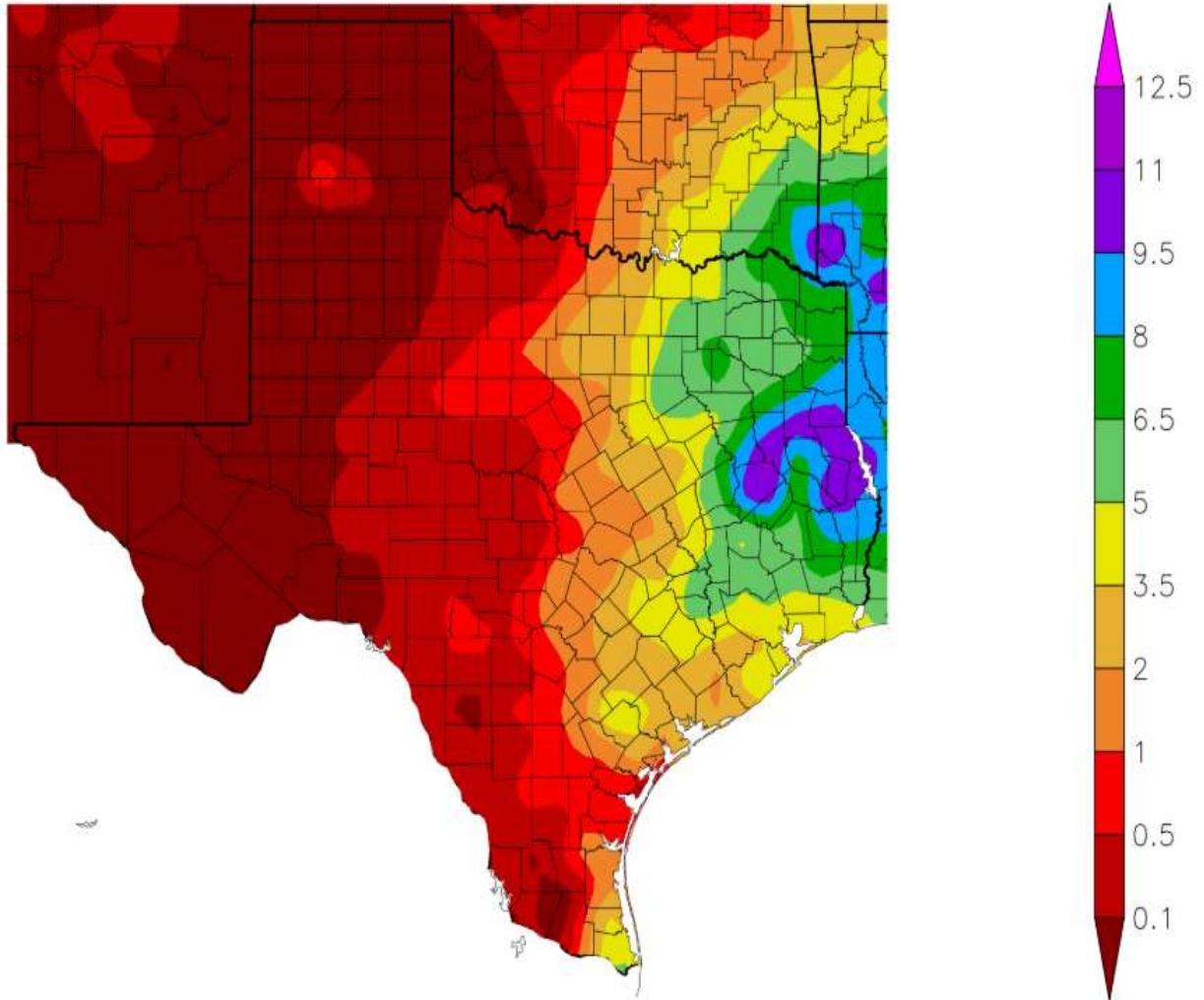


Figure 1: Total Precipitation for December.

Percent of Normal Precipitation (%)

12/1/2024 – 12/31/2024

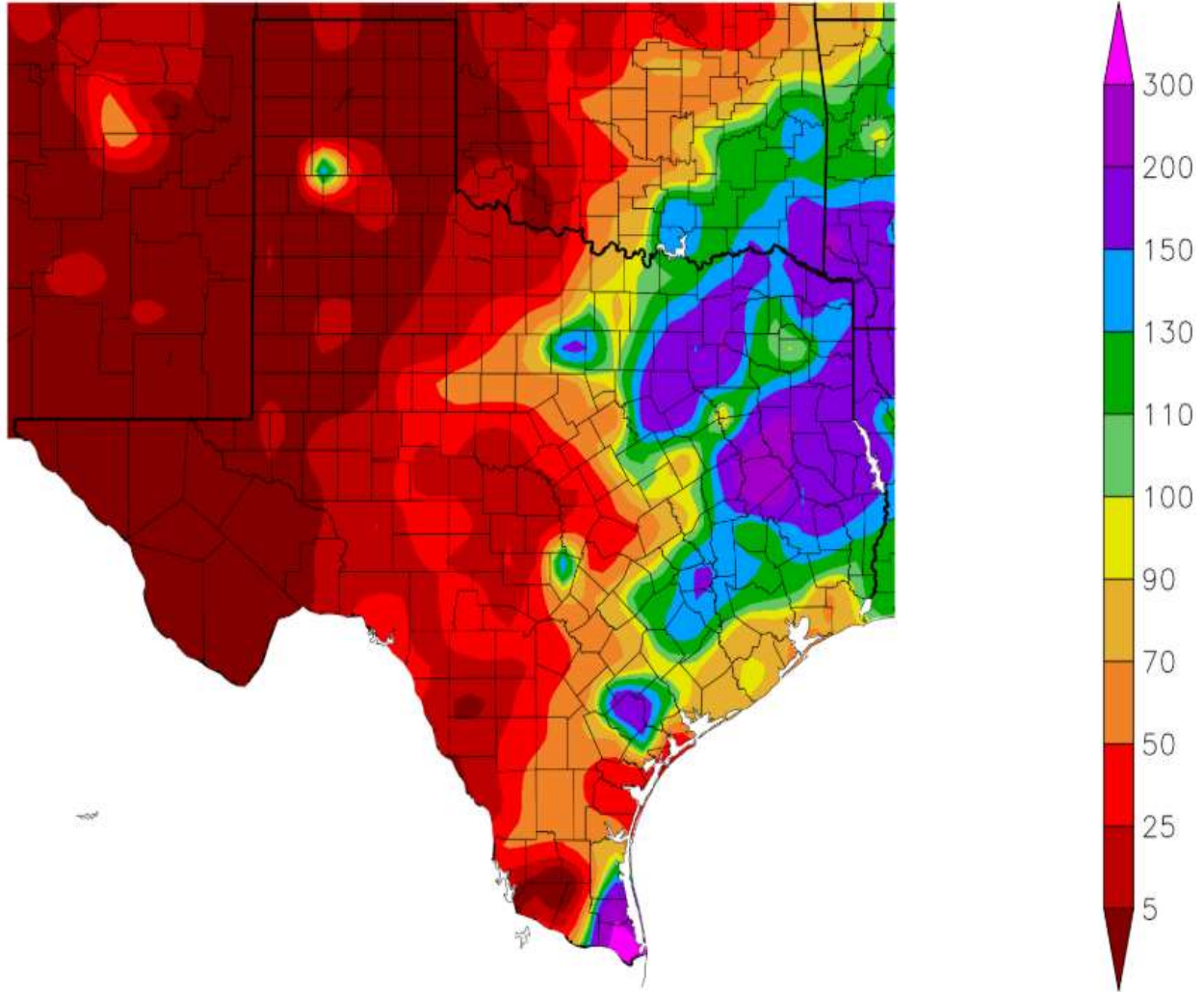


Figure 2: Percentage of Normal Precipitation for December.

Precipitation for December was less than one-half inch (medium to dark red shading in Fig. 1) across most of [west-central Texas](#). For this same area, the monthly precipitation was less than 50 percent of normal (shades of red in Fig. 2). December precipitation was a little higher (between one-half and one inch) in parts of the Big Country east to northeast of Abilene (bright red shading in Fig. 1).

December 2024 Weather Highlights

The weather pattern was quiet during the first several days of December. Some dense fog occurred on the early morning of Dec. 5, with visibilities at or less than one-quarter of a mile.

Skies were cloudy with chilly temperatures and damp conditions across the area Dec. 6-7. The approach of an upper level disturbance from northern Mexico and New Mexico brought episodes of light rain and showers to the area, with a few isolated thunderstorms. Temperatures were generally in the 40s to lower 50s during the daytime hours.

A quick warmup Dec. 8-9 was followed by a fairly strong cold frontal passage, in the afternoon and early nighttime hours of Dec. 9. Temperatures were colder Dec. 10 with breezy north to northwest winds. A high pressure system settled into the area, providing clear skies and light winds the following night. Early morning lows Dec. 11 were generally in the mid to upper 20s, and a few favored low-lying areas recorded lows 20-23°.

A multi-day warming trend began Dec. 12-13 with breezy south winds. Temperatures Dec. 15 reached the the upper 70s to lower 80s for afternoon highs. The nights were rather mild as well, with a return of low-level moisture and cloud cover.

The overall weather pattern was quiet in the middle to late parts of the month. Periods of well-above normal temperatures were interspersed with weak, dry cold frontal passages.

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