

Climate and Weather Summary for November 2022

Temperatures in November averaged below normal at Abilene and San Angelo. Precipitation was above normal at Abilene and well-normal at San Angelo. Table 1 summarizes November 2022 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 Nov. Precipitation (In.) |
|------------|--------------------------|----------------------------|---------------------------------|---------------------------|----------------------------|---------------------------------|
| Abilene | 53.3° | -2.2° | 55.5° | 1.55" | 0.18" | 1.37" |
| San Angelo | 53.6° | -2.3° | 55.9° | 2.78" | 1.64" | 1.14" |

Table 1: Nov. 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 | 83° on Nov. 6 | 67° on Nov. 9 | 43° on Nov. 18 | 24° on Nov. 20 | 0.80" Nov. 25 |
| San Angelo | 85° on Nov. 6, 7 | 65° on Nov. 35 | 39° on Nov. 20 | 27° on Nov. 18 | 1.90" Nov. 25 |

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

- First widespread freeze occurred on Nov. 12.
- An extended period of below normal temperatures occurred during the middle part of November.
- A more widespread rain event occurred Nov. 24-26 across the area.

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

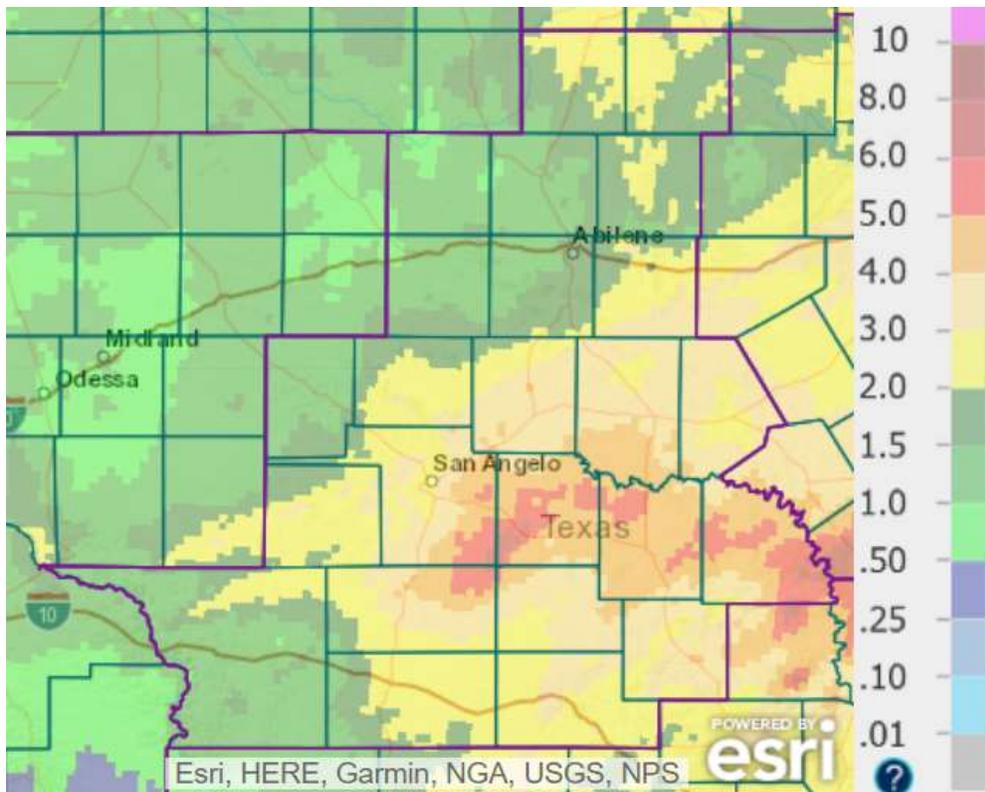


Figure 1: Total Precipitation for November.

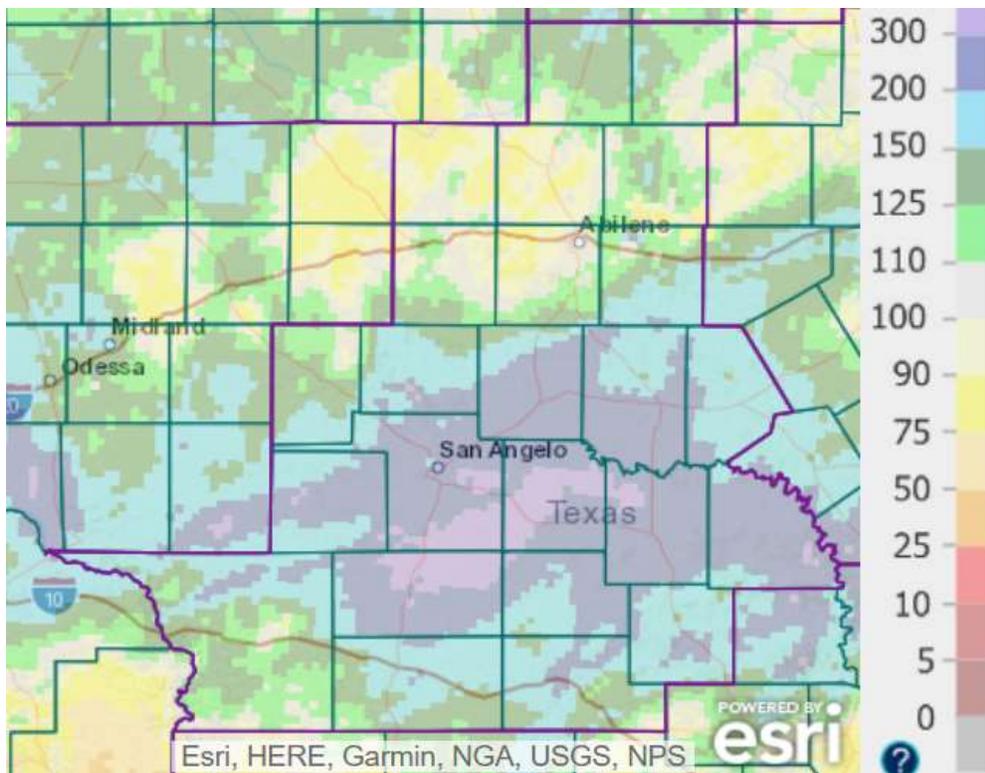


Figure 2: Percentage of Normal Precipitation for November.

Precipitation for November was above to well-above normal across a fairly large part of west-central Texas. The higher monthly rainfall amounts (4-6 inches, with a few locally higher amounts) occurred across the eastern Concho Valley, along the Colorado River southeast of Ballinger, and across McCulloch and San Saba Counties. A significant part of this rainfall was from a wet weather event late in the month (Nov. 24-26).

November 2022 Weather Highlights

Warm and somewhat humid conditions occurred Nov. 3-4, with gusty south winds. This was out ahead of an approaching upper level storm system, from Colorado and New Mexico. Toward midday, scattered showers and thunderstorms developed in the Big Country along a cold front, which was moving east across the area. A band of showers and storms moved east across the Big Country into early afternoon. A severe storm produced quarter size hail in Haskell County (11 miles northeast of Avoca). Farther to the south, scattered showers accompanied the cold front across the northern Concho Valley. Behind the departing cold front, strong, gusty west winds brought an intrusion of much drier air into west-central Texas. Relative humidity values plunged to 10-12 percent at San Angelo by late afternoon. For a large part of west-central Texas, relative humidity dropped to 10-20 percent. Patch blowing dust overspread the Big Country in the late afternoon and early evening, and visibility was reduced to 4-6 miles at some locations.

The table below shows peak wind gusts from around the area on Nov. 4 (12-hour period ending at 711 PM CDT).

Peak wind gusts from around the area are shown in a table posted on the National Weather Service San Angelo social media page.

<https://twitter.com/NWSSanAngelo/status/1588703062906273793/photo/1>



12HR Peak Winds (mph)

San Angelo

Tom Green 1898ft

44

| | | | |
|-------------------------------------|----|--------------------------------------|----|
| 5W Rotan Rotan/Fisher County | 43 | 1E Wall | 42 |
| Tierra Alta | 41 | Abilene | 41 |
| Robert Lee | 41 | Junction | 40 |
| Fort Lancaster/Crockett | 40 | Southwest Coke | 39 |
| 1 ENE Dyess Afb | 39 | Brownwood | 39 |
| Wall | 39 | Sweetwater | 39 |
| THROCKMORTON 1SW | 39 | 10.3 S Algerita (TWDB) | 38 |
| Ozona | 38 | 11SW Sweetwater Roscoe/Western Nolan | 38 |
| Sterling City/Sterling County | 38 | Paint Creek | 37 |
| Clyde/Callahan County | 37 | Fort Chadbourne Coke County | 37 |
| 5ESE Stamford Stamford/Jones County | 37 | 1.7 SW Robert Lee (TWDB) | 36 |
| Brady | 36 | Mertzon/Irion County | 36 |
| 7SSW Segovia Segovia/Kimble County | 36 | 1.8 S Hatchel (TWDB) | 35 |
| Baird | 35 | 11.2 NE Menard (TWDB) | 34 |
| Barnhart | 34 | Haskell 1NW (Haskell County), TX | 34 |
| 4.3 S Katemcy (TWDB) | 33 | 4.0 NW Tennyson (TWDB) | 33 |
| 19.9 W Sonora (TWDB) | 33 | Coleman Muni | 33 |
| San Saba County Municipal Airpor | 33 | Coleman | 32 |
| Ovalo | 32 | Clyde | 32 |

valid as of Fri Nov 4th 07:11 pm - NWS San Angelo

With clear skies, dry air and diminished winds overnight, temperatures dropped into the 30s for early morning lows Nov. 5 across much of the area.

Warm and humid conditions with breezy south winds occurred Nov. 9-10. Temperatures were above normal and afternoon highs were in the upper 70s to lower 80s. At Abilene, record warm low temperatures were tied on Nov. 8 (66 degrees), and set on Nov. 9 (67 degrees).

An abrupt change to much cooler conditions came on Veteran's Day (Nov. 11), following passage of a strong cold front. Behind the front and with the approach of an upper level disturbance, scattered to numerous showers and thunderstorms occurred during the post-Midnight and morning hours of Nov. 11. These showers and storms occurred mostly south of a line from Big Lake to Robert Lee to Cisco. Rainfall amounts are shown in Fig. X. Rainfall amounts generally varied between one quarter to three

quarters of an inch. With considerable cloud cover and gusty north winds, temperatures on Nov. 11 were in the 40s across the northern half of the area, and dropped into the 30s in the southern half.

A widespread freeze occurred on the early morning of Nov. 12. Clear skies, drier air and diminishing winds overnight allowed temperatures to drop into the upper 20s to lower 30s for overnight lows. For much of the area, this marked the first freeze of the Fall season, and an official end to the growing season. Similar conditions the following night resulted in another widespread freeze across the area.

The weather was somewhat unsettled Nov. 14, when an upper level disturbance tracked just north of the area and with passage of a cold front. Light rain showers occurred in northern and eastern parts of the area. Skies rapidly cleared from the west in the afternoon, and winds were gusty from the west to northwest. Wind gusts of 40 mph were recorded at the San Angelo Airport, and at Mesonet sites at Fort Lancaster and 5 miles west of Rotan.

A cold frontal passage on Nov. 18 brought a reinforcement of cold air to the area. Considerable cloud cover limited temperatures for much of the area to the 40s for highs on Nov. 19, and the upper 30s to upper 40s for highs Nov. 20. At San Angelo, new record cold high temperatures were set on Nov. 19 (41 degrees) and Nov. 20 (39 degrees). With the approach of an upper level disturbance from Mexico and New Mexico, light wintry precipitation occurred on the morning of Nov. 20, across southern and central parts of west-central Texas. The wintry precipitation was a mix of light sleet, snow flurries, and light rain. A trace of snow and sleet occurred in San Angelo. This precipitation became just a cold rain by afternoon, in the form of scattered showers. Cloud cover gradually cleared as the upper level disturbance moved through the area, on the afternoon and evening of Nov. 21.

Drier and warmer conditions followed Nov. 22-23, and afternoon highs were in the 60s.

A cold rain event occurred Nov. 24-26 across the area. With the gradual approach of an upper level storm system from the west and southwest, showers developed and became widespread on the early morning of Nov. 25. Widespread showers continued through the day and night of Nov. 26, ending from south to north on the morning of Nov. 26. A few thunderstorms occurred on Nov. 25, mainly during the late afternoon into the early nighttime hours. The rain was heavy at times. Rainfall amounts for this event are shown in Fig. 3.

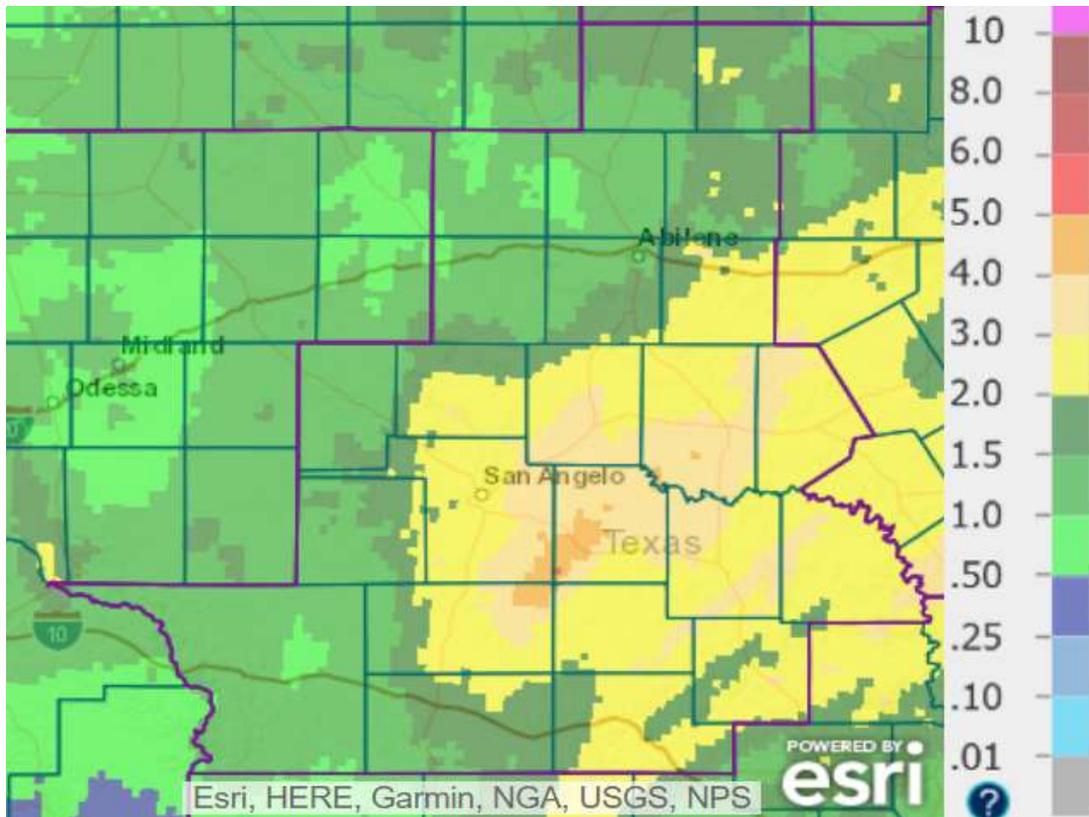


Figure 3: Rainfall Amounts for the 7-day Period ending at 6 AM, Nov. 30.

A new daily rainfall record was set at San Angelo (1.90 inches) on Nov. 25. This rainfall was beneficial in the short term for the area. Dry weather followed with generally clear skies and warmer temperatures Nov. 27-29. Highs Nov. 29 were well-above normal, and in the mid 70s to lower 80s across the area.

A fairly strong cold frontal passage in during the overnight hours of Nov. 29-30 was followed by brisk north winds. Temperatures dropped into mostly the upper 20s to lower 30s for early morning lows Nov. 30. Temperatures remained chilly through the day, and afternoon highs were in the mid 40s to lower 50s across the area.

Highlights for the month are shown in graphics (posted on National Weather Service San Angelo social media), for [Abilene](#) and [San Angelo](#).

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