

Climate and Weather Highlights for 2024

Temperatures averaged well-above normal for the year at Abilene and San Angelo. Precipitation for the year was below normal at Abilene and San Angelo. Table 1 summarizes Year 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 Annual Precipitation (In.)	Total Snowfall (In.)
Abilene	68.7°	+2.8°	65.9°	27.78"	2.54"	25.24"	Trace
San Angelo	69.4°	+2.7°	66.7°	19.33"	-1.60"	20.93"	1.6"

Table 1: Year 2024 Temperature and Precipitation Data for Abilene and San Angelo.

- **Warmest year on record at Abilene.** Abilene set a new record for its warmest year on record (mean annual temperature 68.7°). The previous record was 68.5°, set just last year.
- **San Angelo 3rd warmest year on record** (mean annual temperature 69.4°).
- **Hottest temperature on record set at Abilene.** Abilene set a new record for its hottest temperature on record (113° on Aug. 21).

Additional annual 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	113° Aug. 21	82° Aug. 17	18° Jan. 14	8° Jan. 15	2.72" on May 30
San Angelo	112° Aug. 22	81° Aug. 23	24° Jan. 14	11° Jan. 14, 15	3.84" on Nov. 7

Table 2: Additional Year 2024 Climate Data for Abilene and San Angelo.

The number of days in 2024 with high temperatures 100° or more were 62 at San Angelo and 40 at Abilene. This was the fourth highest annual number of days on record with high temperatures 100° or more at San Angelo, and a three-way tie for the 9th highest at Abilene. The *average annual number of days* with high temperatures 100 degrees or more are 18 at San Angelo, and 12 at Abilene.

The growing season information for the year is summarized in Table 2, for Abilene and San Angelo.

Site	Last Spring Freeze	First Autumn Freeze	Length of Growing Season	Normal Length of Growing Season (1991-2020 Average)	Departure from Normal
Abilene	Feb. 18	Nov. 29	284 days	234 days	50 Days
San Angelo	Mar. 26	Nov. 21	239 days	230 days	9 Days

Table 3: Growing Season Information for Abilene and San Angelo.

The growing season (number of days between the last spring freeze and the first autumn freeze) in 2024 was 50 days longer than normal at Abilene, and 9 days longer than normal at San Angelo. For Abilene, this tied with the year 1961 for the longest growing season on record. The background map in Figure 1 shows the geographic regions of west-central Texas, which are referenced in this annual summary.



Figure 1: Geographic Regions of West-Central Texas.

Total precipitation for the year is shown in Figure 1.

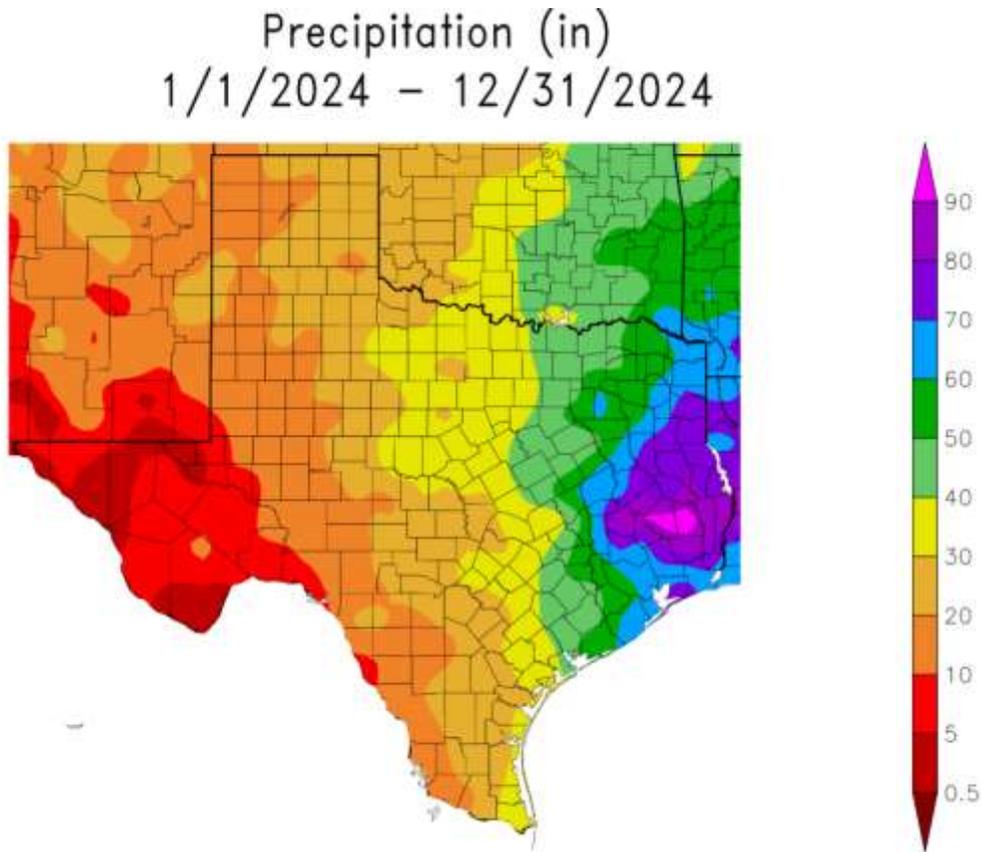


Figure 1: Total Annual Precipitation for Year 2024. Scale on right is in inches.

For the counties in west-central Texas, precipitation for 2024 was lowest (10 to 20 inches, with orange shading in Fig. 1) across the Northern Edwards Plateau and western parts of the Concho Valley. Precipitation for the year was highest (more than 30 inches) in the eastern Big Country and northern Heartland areas (30 to 40 inches, with yellow shading in Fig. 1).

Percentage of normal precipitation for the year is shown in Fig. 2.

Percent of Normal Precipitation (%) 1/1/2024 – 12/31/2024

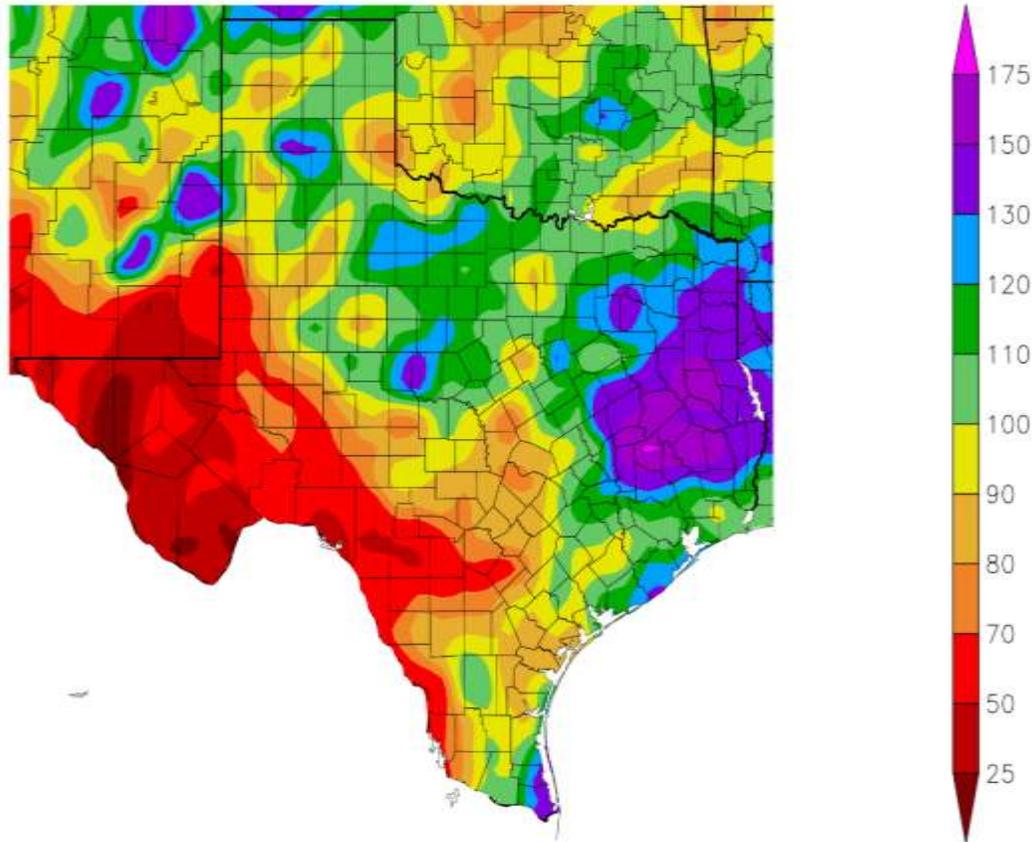


Figure 2: Percentage of Normal Precipitation for Year 2024. Scale on right is in percent.

For the counties in west-central Texas, precipitation for 2024 was mostly below normal across the area generally south of a Sterling City to Paint rock to Richland Springs line (shaded in yellow, light brown, orange and red on the map). The annual precipitation was mostly above normal across the area generally north of the aforementioned line (shaded in light green, dark green, blue and purple on the map).

The maps for Figures 1 and 2 were generated at the High Plains Regional Climate Center.

Weather Highlights:

The graphic below reviews the weather highlights for 2024.



The link below has a description of the top weather events in 2024. The events are listed in chronological order.

[Top Weather Events in West Central Texas in 2024](#)

[Links to Individual Monthly Weather and Climate Summaries for 2024](#)