

## Climate and Weather Summary for July 2024

Temperatures in July averaged slightly above normal at San Angelo and Abilene. Precipitation was above normal at San Angelo and well below-normal at Abilene. Table 1 summarizes July 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 July Precipitation (In.)
Abilene	85.2°	0.5°	84.7°	0.13"	-1.79"	1.92"
San Angelo	85.1°	0.3°	84.8°	1.34"	0.24"	1.10"

**Table 1: July 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 July 2	81° on July 4	87° on July 22	67° July 6, 7, 19, 23	0.08" July 7
San Angelo	106° on July 2	79° on July 4	82° on July 22	67° July 9, 10, 24	0.67" July 18

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

- 12<sup>th</sup> driest July on record at Abilene (0.13 inches).
- The number of days in July with July with high temperatures 100° or more were 17 days at San Angelo and 10 days at Abilene.
- Abilene recorded 3 days in July with low temperatures 80° or more.

A Map of total precipitation for July is shown in Figure 1 (below). Percentage of normal precipitation for July is shown in Figure 2. These maps are from the High Plains Regional Climate Center.

Precipitation (in)  
7/1/2024 - 7/31/2024

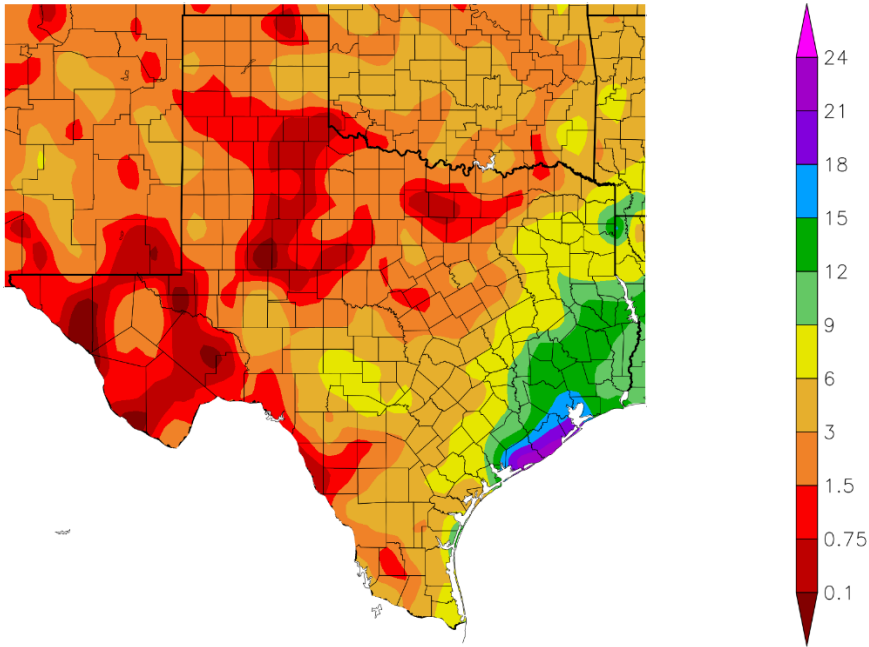


Figure 1: Total Precipitation for July.

Percent of Normal Precipitation (%)  
7/1/2024 - 7/31/2024

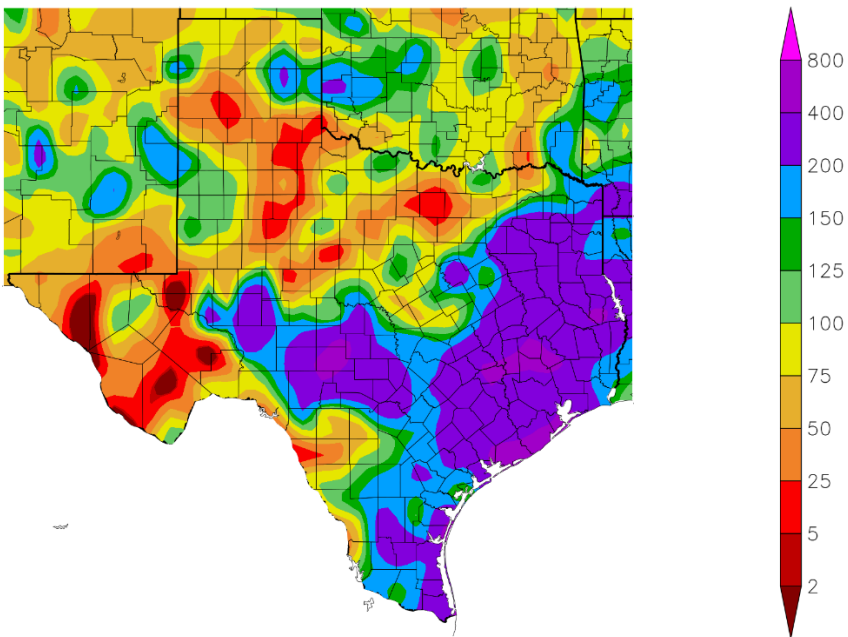


Figure 2: Percentage of Normal Precipitation for July.

Precipitation for July varied from well-above normal to well-below normal across [west-central Texas](#). The monthly precipitation ranged from more than 6 inches (yellow shading in Fig. 1) in much of Kimble and parts of Mason Counties, to less than three quarters of an inch (dark red shading in Fig. 1) in parts of the southern Big Country. In general, rainfall for July was well-below normal in parts of the Big Country and northern Concho Valley, and above to well-above normal across the southern half of west-central Texas.

### **July 2024 Weather Highlights**

The month began with hot and dry conditions (July 1-4). The dominant weather influence was with an upper level high pressure system, which was initially Texas but gradually moved east of the state. Daily highs were mostly 99-105 degrees in the Concho Valley and Big Country, and in the mid 90s to near 100 elsewhere across west-central Texas.

Although not typical for July, a cold front moved slowly south across the area on the 5th. Behind this front, temperatures were considerably cooler (in the 70s to lower 80s) with gusty north to northeast winds. Scattered showers and thunderstorms also occurred behind the front.

Scattered to numerous showers and thunderstorms with locally heavy (but beneficial) rainfall occurred over the southern third of the area July 6, while more isolated activity occurred north to the Interstate 20 corridor. A weakening band of showers and thunderstorms moved southeast into the Big Country during the overnight hours of July 6-7.

Hurricane Beryl made landfall along the middle Texas coast in the early morning hours of July 8. Beryl weakened into a tropical storm as it tracked north across the eastern part of Texas. Isolated showers and storms occurred in west-central Texas, with the coverage rather low. The Fort Lancaster Mesonet site recorded a 57 mph wind gust from a thunderstorm. With a persisting weak north-northwest flow aloft over the area, a small cluster of showers and thunderstorms occurred in the Northern Edwards Plateau July 9. Isolated showers and storms occurred in the Big Country north of Abilene July 11, in the late afternoon and early evening.

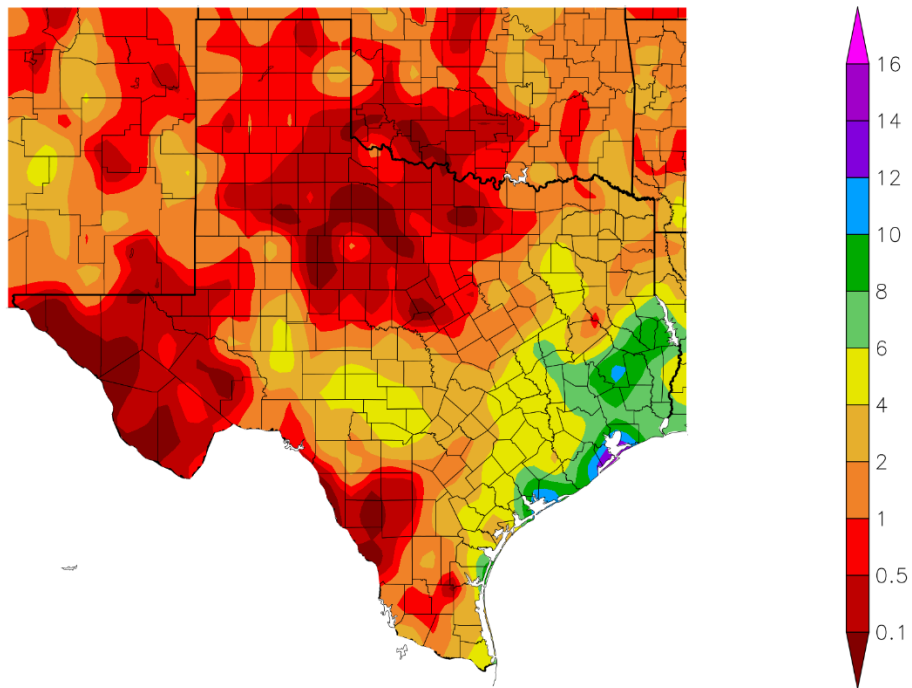
Isolated to widely scattered showers and storms occurred over southern and central parts of the area July 13. With increased cloud cover, temperatures were a little cooler in southern parts of the area.

Hotter temperatures returned July 14-17, with mostly dry conditions.

A change in the upper level pattern resulted in cooler temperatures, increased cloud cover and periodic showers and thunderstorms across much of the area July 18-23. Rainfall for this time frame is encapsulated in Fig. 3 (below) from the High Plains Regional Climate Center, which shows rainfall for the 2-week time frame July 17-30.

# Precipitation (in)

## 7/17/2024 – 7/30/2024



Generated 7/31/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers

### Figure 3: Total Rainfall for the 14-Day Period July 17 through July 30.

The heavier rainfall (2 inches or more) occurred in the southern half of [west-central Texas](#).

Temperatures remained below normal (for the time of year) July 24-28, when daily highs were mostly in the 90-97 degree range across the area.

Hotter temperatures returned in the last few days of the month.