

## Climate and Weather Summary for July 2023

Temperatures in July averaged well-above normal at San Angelo and Abilene. Precipitation was below normal at San Angelo and Abilene. Table 1 summarizes July 2023 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	87.8°	3.1°	84.7°	1.80"	-0.12"	1.92"
San Angelo	88.4°	3.6°	84.8°	0.86"	-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	108° on July 18	83° on July 13	78° on July 1	66° on July 2	1.61" July 1
San Angelo	110° on July 18	82° on July 12	88° on July 1	67° on July 2	0.85" July 1

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

- 3<sup>rd</sup> warmest July on record at San Angelo (monthly average temperature 88.4°).
- 5<sup>th</sup> warmest July on record at Abilene (monthly average temperature 87.8°).
- The high temperature of 110° set at San Angelo on July 18 tied (with 5 other dates) for the second highest temperature on record for July.
- The average daily high temperature for July at San Angelo (102°) was 4<sup>nd</sup> highest on record.
- The average daily high temperature for July at Abilene (100°) was the 5<sup>th</sup> highest on record.

- The number of days with lows 80° or higher were 4 at both Abilene and San Angelo. For San Angelo, this tied (with 1912) for the second highest number of days in July with lows 80° or above.

A Map of total precipitation for July is shown in Figure 1 (below). Percentage of normal precipitation for July is shown in Figure 2.

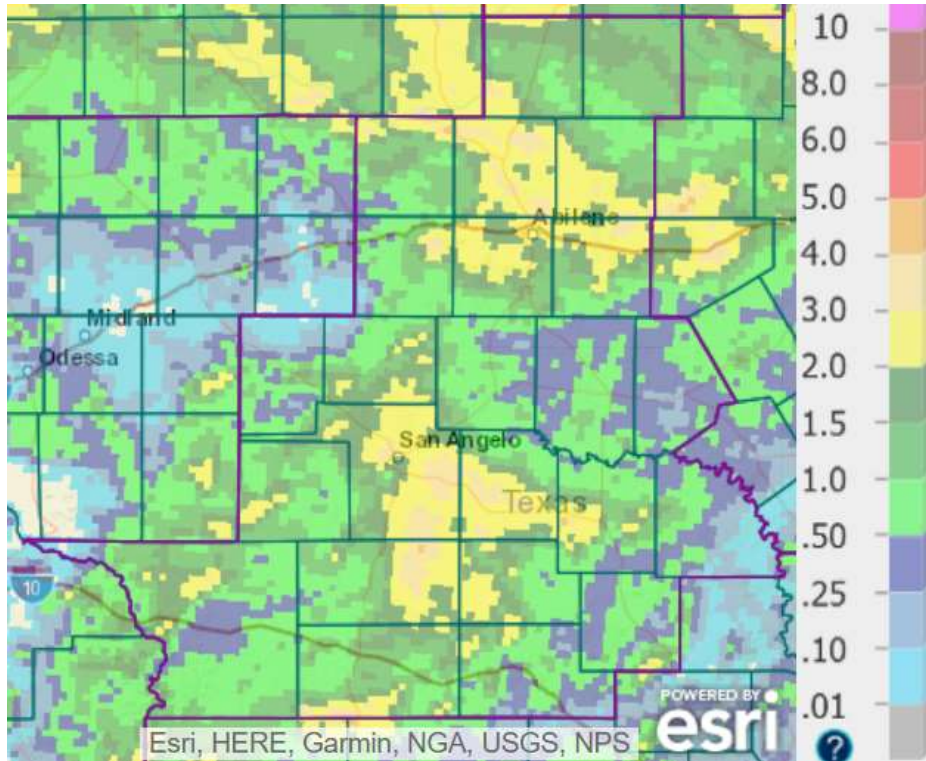
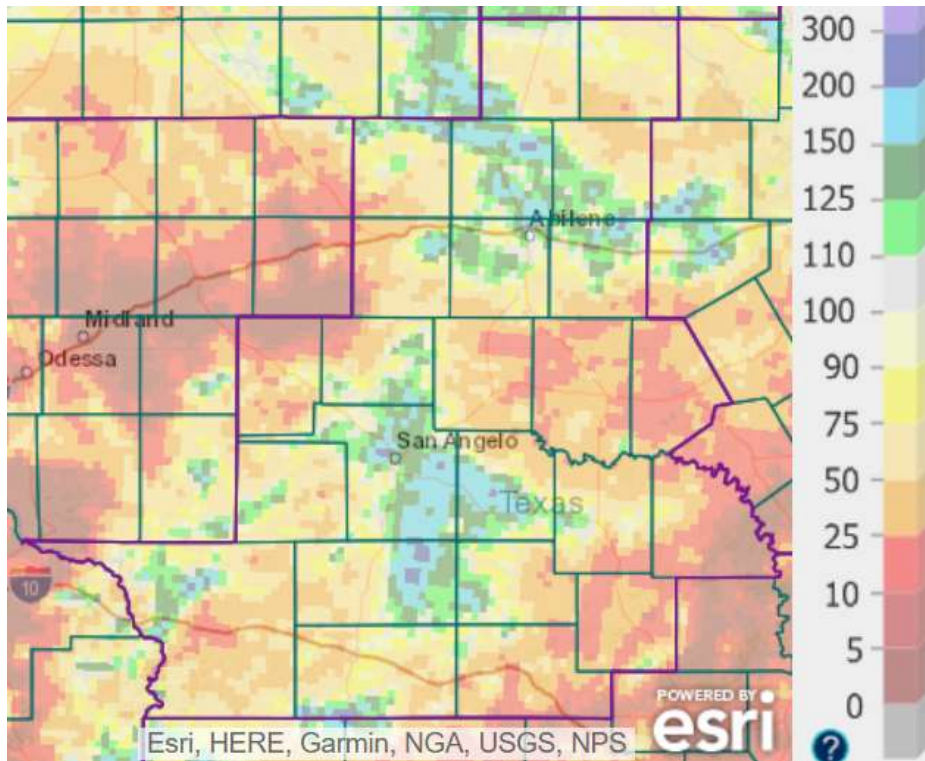


Figure 1: Total Precipitation for July.



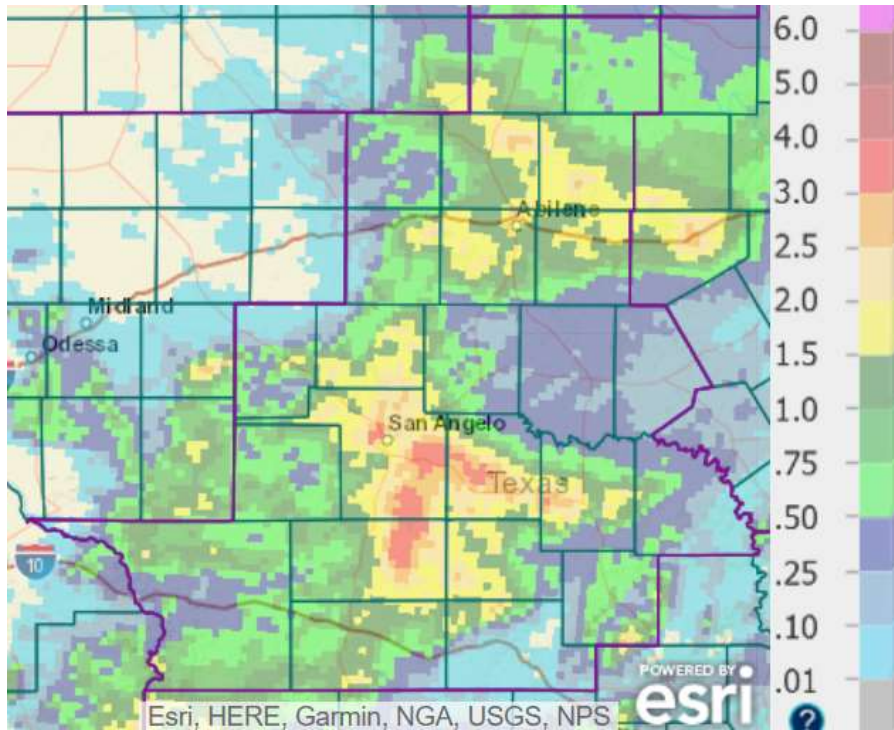
**Figure 2: Percentage of Normal Precipitation for July.**

Precipitation for July varied from well-above normal to well-below normal across [west-central Texas](#).

The monthly precipitation ranged from 3-4 inches (tan shading in Fig. 1) to less than one tenth of an inch (light blue shading in Fig. 1). For much of the area, July rainfall was between one-half inch and 2 inches (shades of green in Fig. 1).

### July 2023 Weather Highlights

Most of the rainfall for July occurred in the early part of the month. With the arrival of an upper level disturbance into a moist airmass, showers and thunderstorms with heavy rain occurred across much of west-central Texas on July 1. Rainfall amounts for July 1 are shown in Fig. 3.



**Figure 3: Rainfall Amounts for the 24-hour Period Ending at 7 AM, July 1.**

With increased cloud cover, temperatures were limited to highs in the upper 70s to upper 80s across most of the northern and central parts of the area, and to the 90-95 degree range in southern sections. The rainfall and cooler temperatures were of some short-term benefit, after the excessive heat and high daily evaporation rates in the middle to late parts of July. Widely scattered showers and thunderstorms occurred in various parts of west-central Texas July 2-5.

Triple digit heat returned in the second week of July, and continued through the end of the month. The dominant weather influence was from an upper level high pressure system, which was positioned over Texas into the southwestern part of the country. Area grasses, which grew quickly from May and July rainfall, dried out by late July with the prevalent hot and dry conditions. A few grass fires occurred in San Saba and southern Taylor Counties.

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