

## Climate and Weather Summary for June 2024

Temperatures in June averaged above normal at Abilene and well-above normal at San Angelo. Precipitation was well-below normal at Abilene and San Angelo. Table 1 summarizes June 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 June Precipitation (In.)
Abilene	84.1°	3.0°	81.1°	1.93"	-1.51"	3.44"
San Angelo	86.2°	4.0°	82.2°	0.96"	-1.35"	2.31"

**Table 1: June Climate Data for Abilene and San Angelo.**

Additional temperature and precipitation data for Abilene and San Angelo is summarized in Table 2.

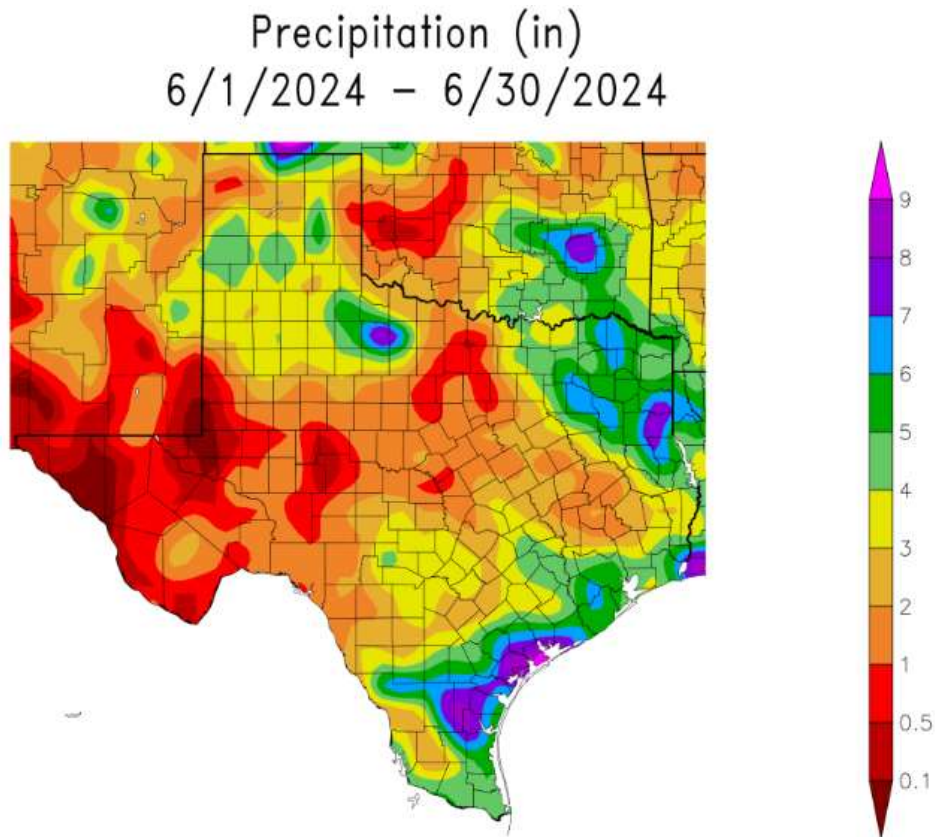
Site	Warmest High Temperature (°F)	Warmest Low Temperature (°F)	Coollest High Temperature (°F)	Coollest Low Temperature (°F)	Maximum Daily Precipitation (In.)
Abilene	106° on June 4	80° June 26, 28	84° on June 11	63° on June 1	1.73" June 11
San Angelo	111° on June 4	80° on June 29	88° on June 20	66° on June 1	0.62" June 9

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

- San Angelo recorded its 5th warmest June (average temperature for the month 86.2°).
- Abilene recorded its 9th warmest June (average temperature for the month 84.1°).
- San Angelo recorded 15 days in June with daily high temperatures 100° or more.
- Abilene recorded 5 days in June with daily high temperatures 100° or more.
- The average daily high temperature for June at San Angelo (99.3°) was 7th highest on record.
- The average daily low temperature for June at San Angelo (73.1 °) was 4th warmest on record.

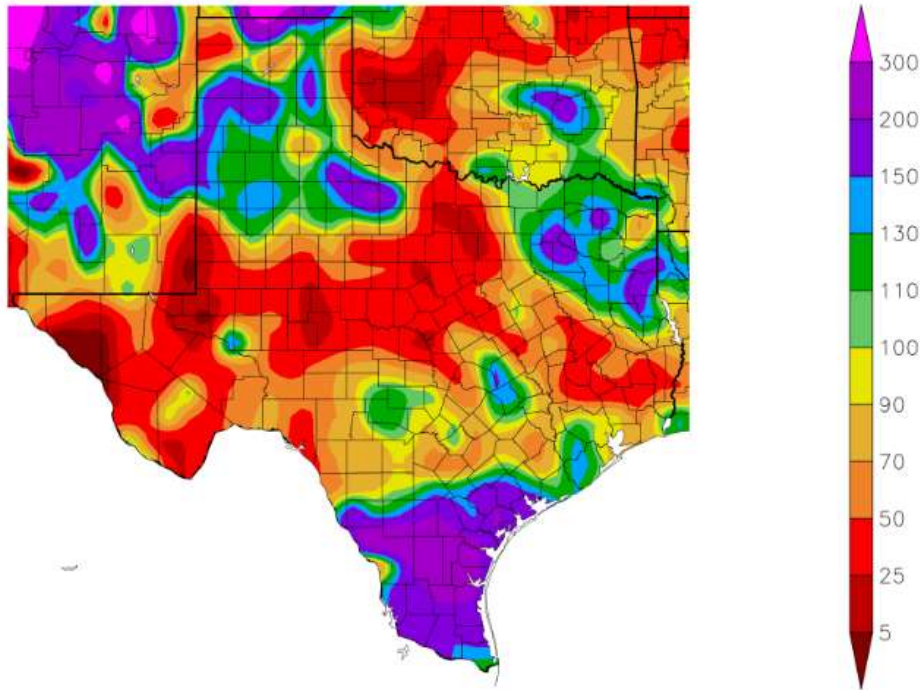
- The coolest low temperature for June at San Angelo (66°) ranked as the 3rd highest on record.
- Abilene recorded only 2 days with lows 69° or below. Tied for record lowest number of days in June with lows below 70°.

Maps of total precipitation and percentage of normal precipitation, for June, are shown in Figures 1 and 2 (below). These maps are from the High Plains Regional Climate Center.



**Figure 1: Total Precipitation for June.**

## Percent of Normal Precipitation (%) 6/1/2024 – 6/30/2024



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

With the exception of the northern Big Country (Haskell and Throckmorton Counties) and some of the Northwest Hill Country in southeastern parts of the area, precipitation for June was well-below normal in [west-central Texas](#) (Fig. 2).

### June 2024 Weather Highlights

A line of thunderstorms with strong, gusty winds moved quickly southeast across the Big Country during the post-Midnight hours of June 1. A 58 mph wind gust was recorded by a Mesonet site 1 mile northwest of Haskell. The Abilene Regional Airport recorded a 53 mph wind gust. A dryline advanced across the western half of the area June 3, and marked the separation of hot and humid air to the east, with hot and very dry air to the west. The dryline made further eastward progress June 4, with temperatures even hotter across the area. West of the dryline, temperatures reached 105-110 degrees, and relative humidity values dropped to 5-15 percent. New record daily highs were set at San Angelo (111°) and Abilene (106°).

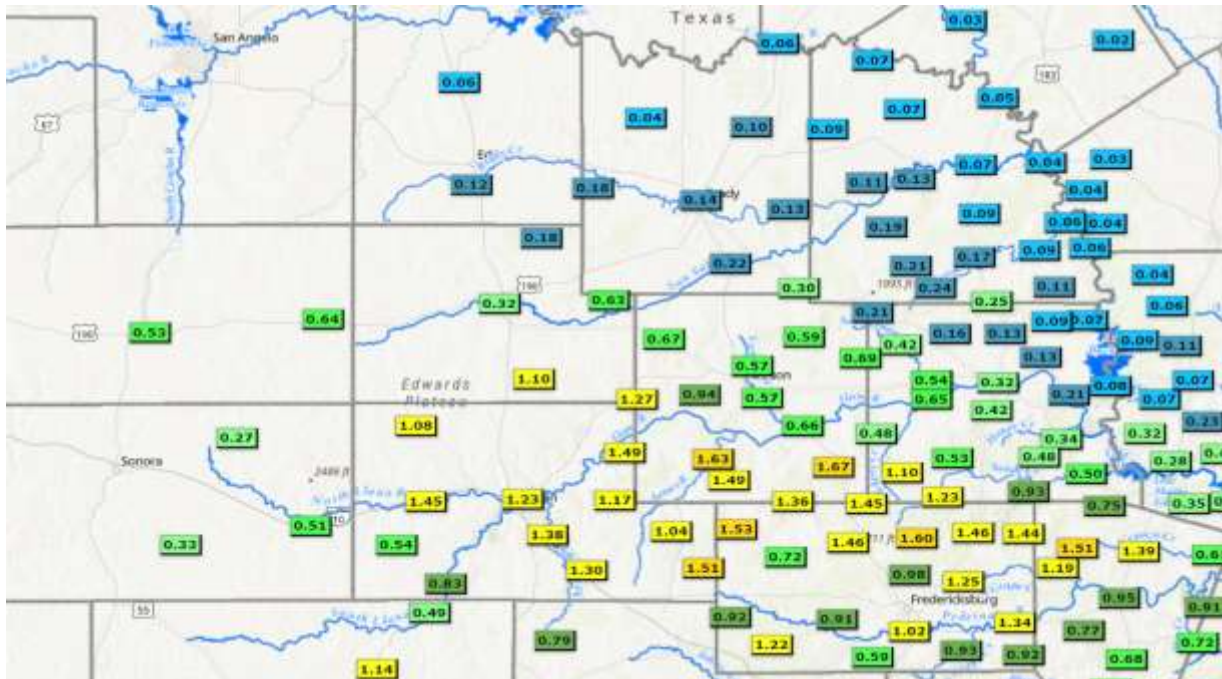
Temperatures were not as hot June 5 behind a weak cold front which sagged south across northern and central parts of the area. In the late afternoon just ahead of the weak front, a severe storm produced golf ball size hail 6 miles north of Sonora.

Temperatures were above normal with a lack of thunderstorms June 6-8, when an upper level high pressure system gradually shifted east across Texas. Daily highs were generally 95-105 degrees.

A few showers and thunderstorms occurred in western and southeastern parts of the area June 9. Following a cold frontal passage, temperatures were cooler June 10-11. A few showers and storms occurred in mainly the eastern half of the area June 10. An isolated severe storm occurred in Ballinger (window broken due to strong thunderstorm winds).

With an upper level disturbance moving into the area, a cluster of thunderstorms with very heavy rain moved southeast across northern and eastern parts of the area, on the morning of June 11. Other scattered showers and storms occurred farther south and west across the Concho Valley. With the heavy rainfall, flash flooding of streets was reported in Abilene. The Abilene Airport received 1.73 inches of rain. Widely scattered storms in the afternoon affected southern parts of the area. Thunderstorm wind damage occurred in Sonora, with trees and large tree limbs blown down, and shingles blown off roofs.

Tropical Storm Alberto tracked from the western Gulf of Mexico into Mexico June 20. A disturbance north of this system moved west and northwest over Texas, and was accompanied by an influx of moisture. With this setup, an area of rain occurred over southeastern parts of west-central Texas June 20. Rainfall amounts (1255 AM June 20 to 1255 AM June 21) are shown in the graphic below. The source of this graphic is the LCRA Hydromet website.



Rainfall amounts of 0.50 inches to 1.5 inches occurred in southeastern parts of the area. With increased cloud cover, temperatures on June 20 were mostly confined to the 80s for highs across the area.

Hot and dry conditions developed late in the month, with a broad upper level high pressure system over Texas. Daily highs were mostly in the 95-105 degree range June 24-30. Nighttime temperatures were warm as well, with overnight lows in the mid 70s to around 80 degrees. A daily record warm low

temperature was tied at Abilene June 28 (80 degrees). At San Angelo, a new daily record warm low temperature was set June 29 (80 degrees).

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