

Climate and Weather Summary for April 2019

Temperatures in April averaged slightly above normal at San Angelo, and to a greater extent at Abilene. Precipitation was well-above normal at both locations. Table 1 summarizes April 2019 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 April Precipitation (In.)
Abilene	66.6°	2.0°	64.6°	4.73"	3.09"	1.64"
San Angelo	66.6°	0.6°	66.0°	3.00"	1.58"	1.42"

Table 1: April 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	96° on Apr. 10	69° on Apr. 10	58° on Apr. 13	37° on Apr. 14	2.17" Apr. 23
San Angelo	99° on Apr. 10	68° on Apr. 30	62° on Apr. 13	35° on Apr. 12	1.80" Apr. 24

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

- Abilene and San Angelo recorded no snowfall in April.
- At San Angelo, a daily high temperature record was tied (99 degrees) on Apr. 10.

A map of total precipitation for April is shown in Figure 1. Percentage of normal precipitation for April is shown in Figure 2.

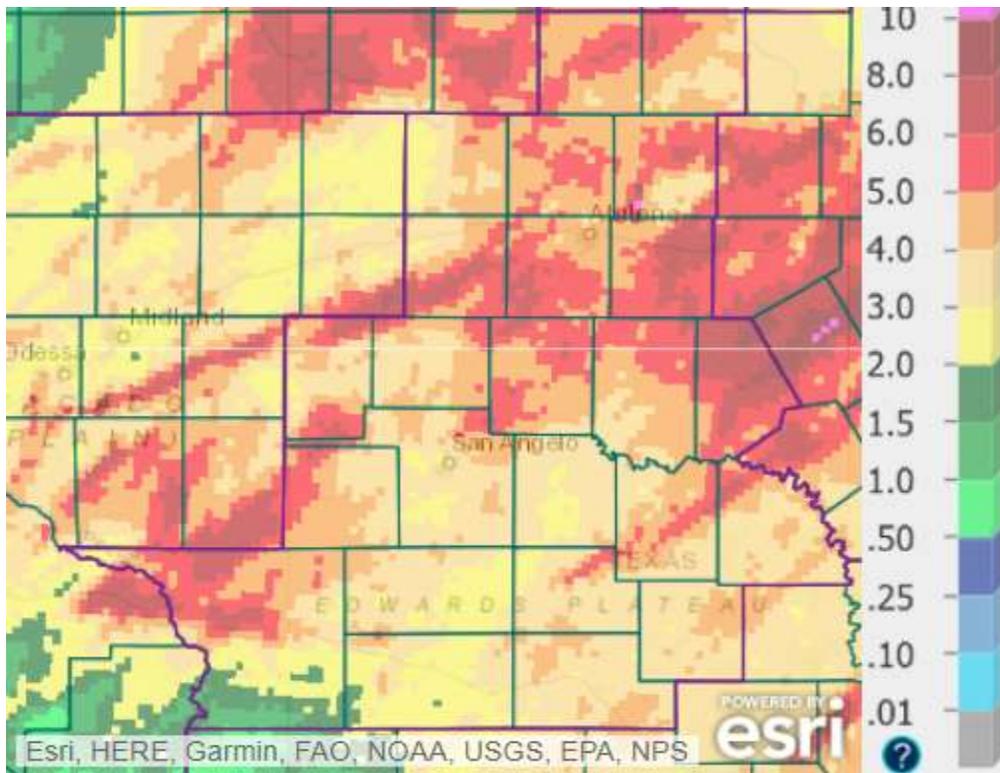


Figure 1: Total Precipitation for April.

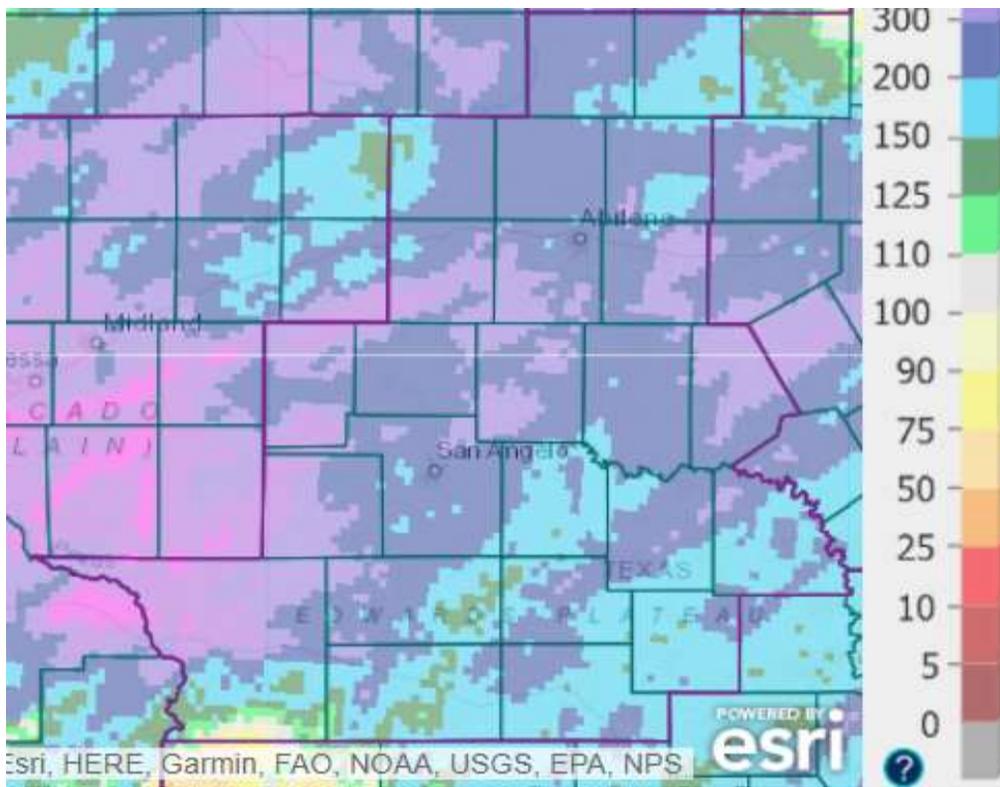


Figure 2: Percentage of Normal Precipitation for April.

Total precipitation for April was well-above normal for nearly all of [west-central Texas](#).

Weather Highlights:

With the approach of an upper level disturbance, isolated thunderstorms occurred on the late evening and early nighttime hours of Apr. 5. One of the storms produced quarter to half dollar size hail at Wingate (Runnels County). A line of thunderstorms moved east across west-central Texas on the early morning of Apr. 6. Quarter to half dollar size hail was reported at Sonora (Sutton County), and a thunderstorm wind gust of 59 mph was recorded at a Mesonet station 5 miles east-southeast of Stamford (Jones County).

With very dry air in place, a cool morning was followed by very warm afternoon temperatures on Apr. 9. At San Angelo where the relative humidity dropped into the 10-15 percent range, a 50 degree change in temperatures was recorded from the early morning low (46 degrees) to the afternoon high (96 degrees). Apr. 9 was the first day of the year with 90-degree temperatures at Abilene and San Angelo.

Hot, very dry and windy conditions occurred on Apr. 10. The strongest winds, from the southwest, affected the Big Country and Concho Valley areas during the afternoon and early evening hours. Peak wind gusts were 45-50 mph at some locations, including San Angelo. Temperatures soared into the mid to upper 90s for highs, and a daily record high temperature (99 degrees) was tied at San Angelo. Afternoon relative humidity values dropped into the 5-15 percent range across west-central Texas. During the late evening and nighttime hours, an area of blowing dust from West Texas was transported over much of the western half of our area (generally along and west of an Abilene to San Angelo to Sonora line). Visibility was reduced to 4-6 miles.

Very dry air remained over the area on Apr. 11 with breezy west to northwest winds. Daytime temperatures were 20-30 degrees cooler across most of west-central Texas.

Strong to [severe storms](#) occurred on Apr. 13. With the approach of a strong upper level storm system, a line of thunderstorms moved east across west-central Texas during the early morning hours. Several locations recorded wind gusts 45-55 mph with this line of storms. Most of the large hail reports were for sizes ranging from quarter to ping pong ball.

Much colder temperatures during the day (mid 40s to mid 50s) on Apr. 13 were accompanied by gusty north winds. A band of showers moved across the northern half of the area during the afternoon and evening hours. The combined early morning and afternoon/evening rainfall on Apr. 13 was more widespread in coverage (compared to previous rainfall this April), and was of short-term benefit for much of west-central Texas.

Clearing skies and light winds allowed temperatures to drop into the 30s for early morning lows on Apr. 14. Lows were in the mid 30s at numerous locations.

A [severe weather event](#) occurred on Apr. 17, between 7 PM and 11 PM. With the approach of an upper level storm system from the west, strong to severe thunderstorms occurred. The storms were extensive in coverage across the area east of a Lake Brownwood to Eden to Sonora line. Most of the severe

weather reports were for large hail, ranging from quarter to golfball size. Rainfall was heavy where the thunderstorms occurred, and Figure 3 shows rainfall amounts for this event.

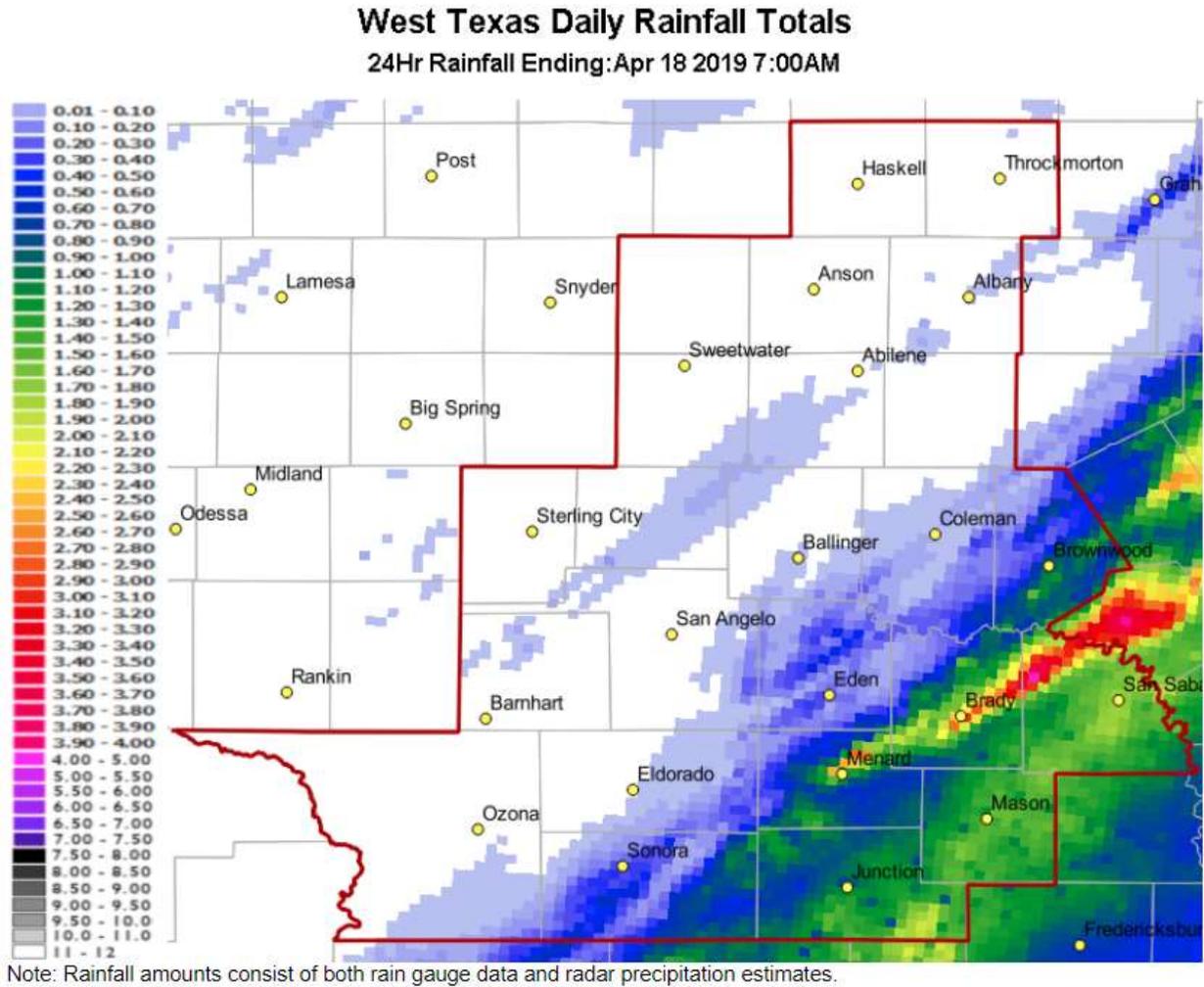


Figure 3: Rainfall Amounts for the 24-hour Period ending at 7 AM, Apr. 18.

Rainfall amounts of 1-2 inches were common across east-central and southeastern parts of the area. The highest rainfall (3-5 inches) occurred in a band extending across northwestern San Saba and east-central McCulloch Counties. Street flooding was reported in Brady.

Gusty north winds accompanied cooler temperatures on Apr. 18, following a morning cold frontal passage. Peak wind gusts were 40-45 mph at several locations across the area, including Abilene and San Angelo.

A [severe weather event](#) occurred on Apr. 23, as a cold front moved slowly southeast into an unstable airmass. Showers and thunderstorms with heavy rain continued on Apr. 24 across mainly the central and southern parts of west-central Texas.

Thunderstorms occurred late in the month, on Apr. 27 and Apr. 30. A few thunderstorms affected the Big Country north of Interstate 20 on Apr. 27. One of the storms produced large hail to golfball size in the vicinity of Anson. A severe storm tracked east across Crockett County, and produced hail of golfball to baseball size in the vicinity of Ozona, and 20-27 miles west of Ozona in the vicinity of Interstate 10. This hail broke out the windshields of vehicles at the Ozona Fire Dept. A few other storms occurred between Ballinger and Brownwood, and in central and northern Haskell and Throckmorton Counties. Quarter size hail was reported from a storm one mile east of Haskell.

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