

Climate and Weather Summary for August 2017

Table 1 summarizes August 2017 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 August Precipitation (In.)
Abilene	79.6°	-3.2°	82.8°	3.86"	1.27"	2.59"
San Angelo	81.7°	-1.0°	82.7°	2.41"	0.15"	2.26"

Table 1: August 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	99° August 5, 6	75° August 11	78° August 1, 25	65° August 3, 9	2.13" on August 14
San Angelo	103° August 6	75° August 12, 20	84° August 1, 25	64° August 3	0.67" on August 15

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

- Temperatures for the month averaged below normal at San Angelo and to a greater extent at Abilene.
- A record low temperature of 57 degrees was tied at San Angelo on Aug. 30. Otherwise, no other daily temperature or precipitation records were set during the month at San Angelo and Abilene.
- Number of days in August with high temperatures 100 degrees or more: 3 at San Angelo, 2 at Junction, and zero at Abilene.

Rainfall for the month varied from below to well-above normal. A map of total precipitation for August is shown in Figure 1. Percentage of normal precipitation for August is shown in Figure 2.

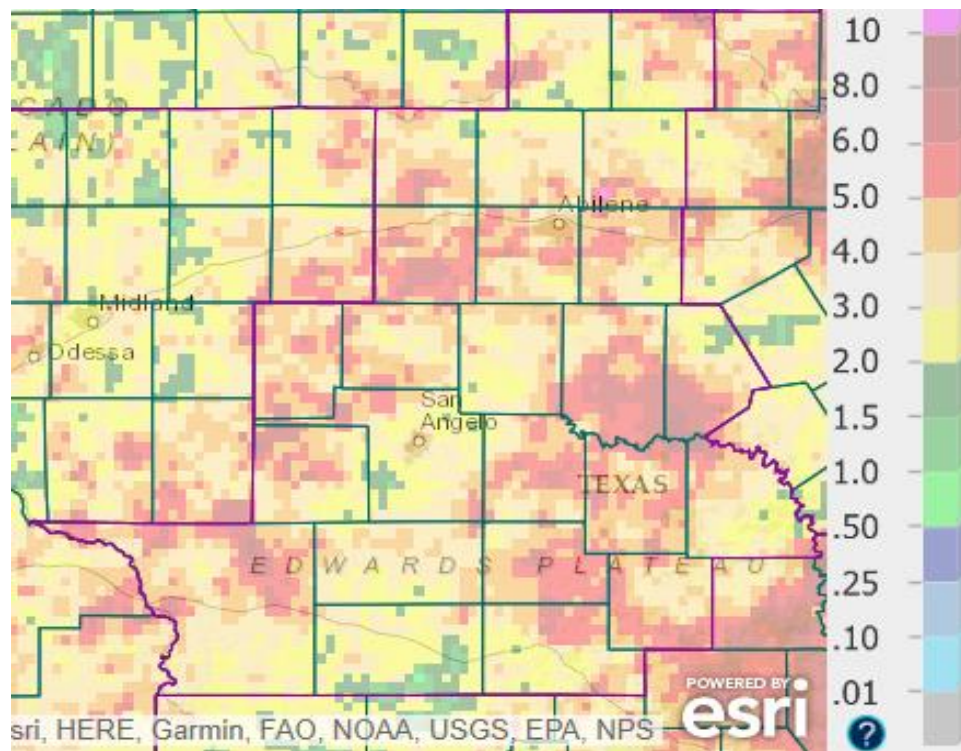


Figure 1: Total Precipitation for August.

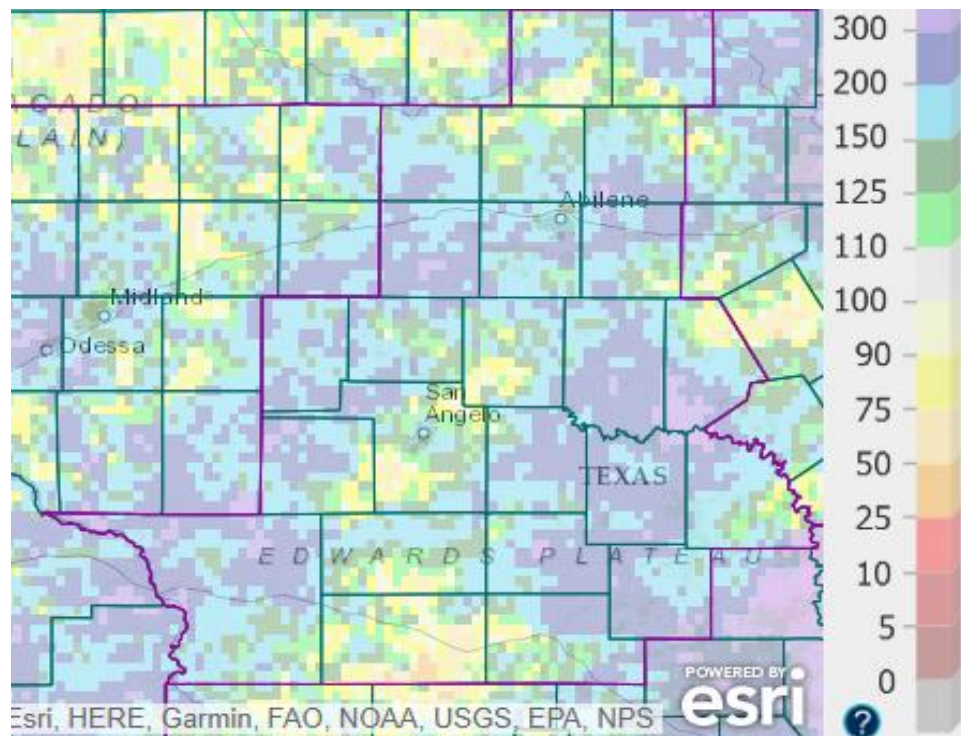


Figure 2: Percentage of Normal Precipitation for August.

In Figure 1, rainfall for the month was over 3 inches across much of [west-central Texas](#), with scattered areas of more than 5 inches. Only in isolated areas were the monthly amounts less than 2 inches. Normal rainfall for August (not shown) is 2-3 inches for nearly all of west-central Texas.

Weather Highlights:

Patchy dense fog affected central and southern parts of west-central Texas on the early morning of on Aug. 3. Visibilities dropped to less than one quarter of a mile at times at San Angelo, Sonora and Ozona.

During most of August, upper level high pressure systems were not in close enough proximity to dominate the weather across west-central Texas. This allowed weak upper level disturbances to enter the region and interact with moist and unstable air, to bring isolated to scattered showers and thunderstorms on numerous occasions. In addition to locally heavy rainfall, some of the storms were accompanied by strong, gusty winds over 55 mph during the late afternoon and evening hours.

Date	Location	Severe Weather
Aug. 6	Mertzon	Mesonet wind gust 67 mph
Aug. 6	Weinert	Thunderstorm winds overturned tractor trailer truck on Hwy 277
Aug. 12	Sweetwater	A few trees blown down by thunderstorm winds
Aug. 17	Wall	Mesonet wind gust 60 mph
Aug. 17	Fort Lancaster	Mesonet wind gust 66 mph
Aug. 17	Lake Coleman	Dock overturned and large tree blown over

With the increased cloud cover and precipitation, temperatures reached 100 degrees or more on only a few days during the month.

Late in the month, Hurricane Harvey made landfall along the Texas coast near Rockport, on the night of Aug. 25. This Category 4 hurricane was the strongest make landfall in Texas since Hurricane Carla in 1961. The most significant wind damage occurred in Rockport and the surrounding area. Harvey gradually weakened to a tropical storm on Aug. 26, and then meandered near the Texas coast for an extended period of time through Aug. 29. This tropical system brought record-setting rainfall to southeastern Texas, which resulted in catastrophic flooding around Houston.

The effects from Harvey on west-central Texas were minor. The air was very moist, and scattered showers and thunderstorms with heavy rain occurred on Aug. 26. Isolated to scattered showers also occurred across parts of the area on Aug. 27-28. With increased cloud cover, temperatures were limited to the upper 70s and 80s for highs on Aug. 25-26, and the 80s on Aug. 27.

On the last few days of the month, a combination of clear skies, light winds and relatively dry air allowed temperatures to dip into the mid 50s to lower 60s for early morning lows. A record low temperature (57 degrees) was tied at San Angelo on Aug. 30. The low of 59 degrees at Abilene on Aug. 29 narrowly missed the record low (58 degrees) for that date.