

## Climate and Weather Summary for November 2017

Temperatures for the month averaged above normal at Abilene, and well-above normal at San Angelo. Table 1 summarizes November 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 November Precipitation (In.)	Total Snowfall (In.)
Abilene	57.5°	2.9°	54.6°	0.90"	-0.51"	1.41"	0.0
San Angelo	60.4°	5.1°	55.3°	0.98"	-0.16"	1.14"	0.0

**Table 1: November 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)	Coldest Low Temperature (°F)	Maximum Daily Precipitation (In.)
Abilene	89° Nov. 5	66° Nov. 5	44° Nov. 8	28° on Nov. 19	0.90" Nov. 8
San Angelo	92° Nov. 2	65° Nov. 4	51° Nov. 8	30° on Nov. 19, 23	0.98" Nov. 8

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

- 4<sup>th</sup> warmest November on record at San Angelo.
- At San Angelo, new record high temperatures were set on: Nov. 2 (92 degrees), Nov. 4 (91 degrees), Nov. 6 (91 degrees), and Nov. 17 (88 degrees). A record high temperature was tied on Nov. 3 (88 degrees). In addition, a new record high minimum temperature was set on Nov. 17 (63 degrees), and a record high minimum temperature was tied on Nov. 4 (65 degrees).
- At Abilene, a new record high temperature was set on Nov. 2 (88 degrees), and a record high temperature was tied on Nov. 4 (87 degrees). Climate records for Abilene date back to 1886.
- San Angelo recorded 4 days with high temperatures 90 degrees or above in November. This is the highest number of 90-degree days on record for November. Two days of November 90 degree temperatures occurred in 1988 and 1980, with 1 such day in 6 other years. Climate records for San Angelo date back to 1907.

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

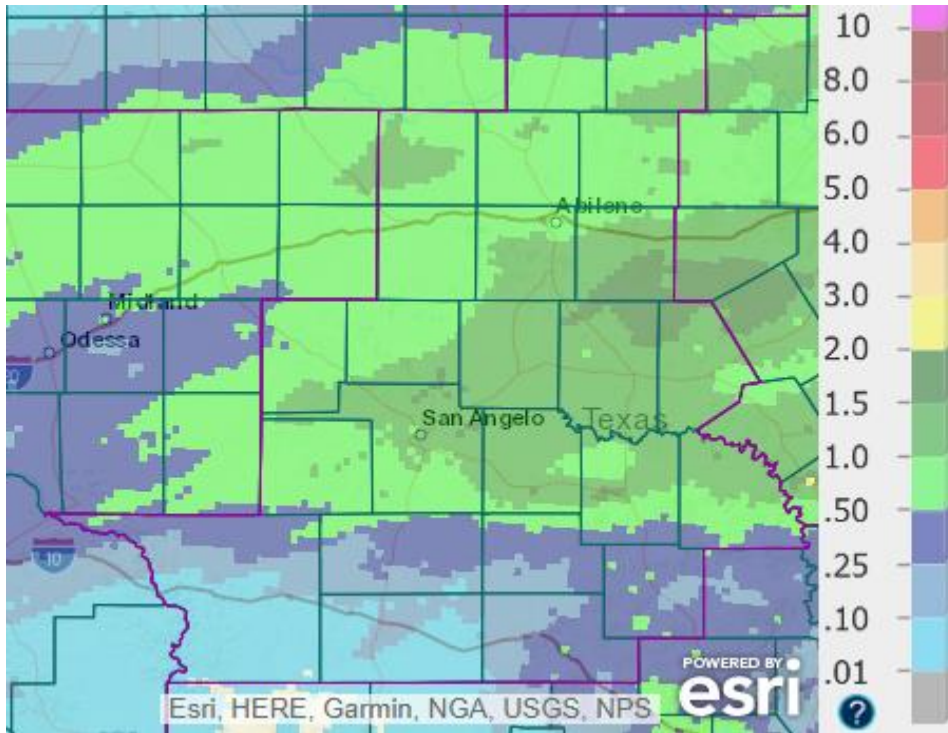


Figure 1: Total Precipitation for November.

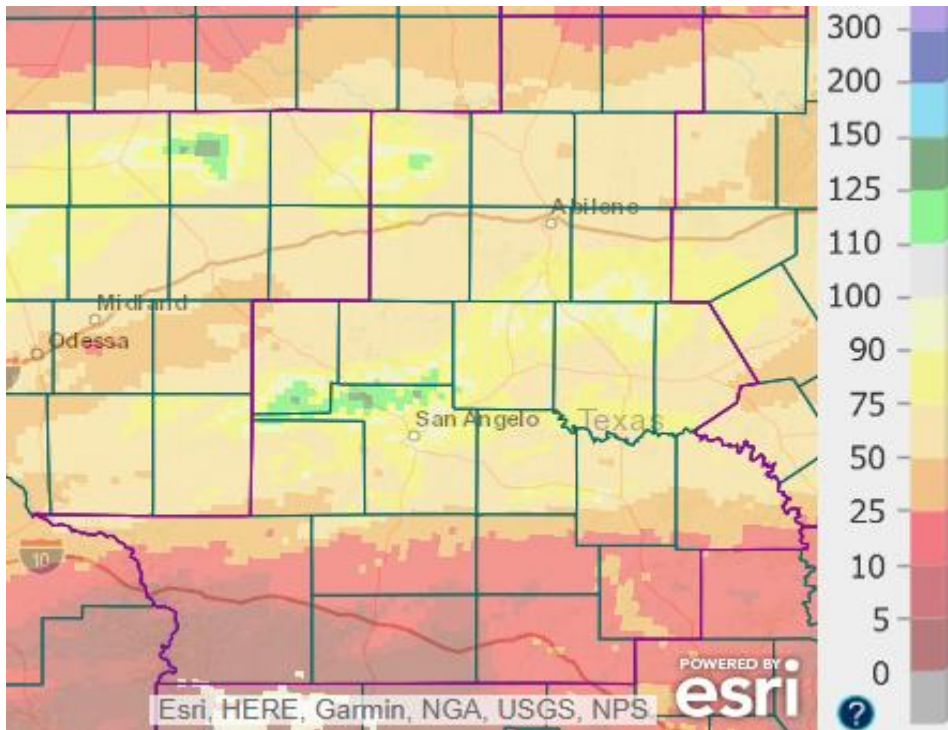


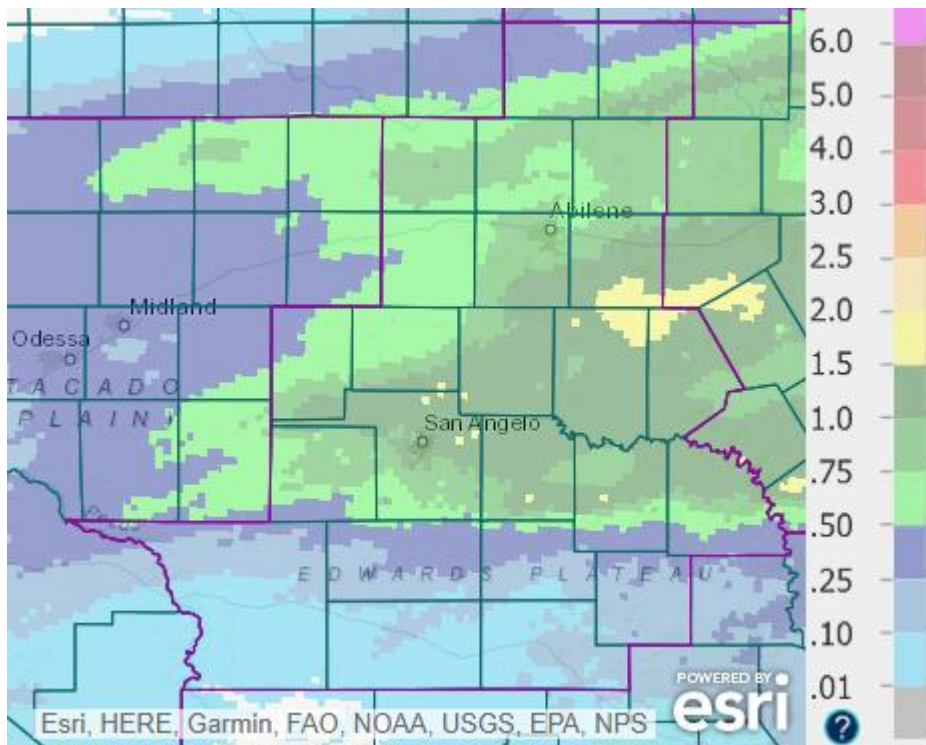
Figure 2: Percentage of Normal Precipitation for November.

Precipitation for November was near to slightly below normal across much of the central and northern parts of [west-central Texas](#), and slightly above normal in a west to east band (green shading in Figure 2) across southern Sterling and far northern Tom Green Counties. The monthly precipitation was well-below normal (less than 50% of normal shown with orange and red shading in Figure 2) across the southern third of the area and the far northern [Big Country](#). Most of the November rainfall occurred early in the month on Nov. 8.

#### Weather Highlights:

Following a chilly end to October, temperatures were much warmer and well-above normal during the first several days of November. Daily high temperatures were in the mid 80s to lower 90s, with the exception of the northern half of the area, where the arrival of cold fronts interrupted the anomalous warmth on the 3<sup>rd</sup> and 6<sup>th</sup>. At Abilene, record high temperatures were set on Nov. 2 and tied on Nov. 4. At San Angelo, record high temperatures were set on Nov. 2<sup>nd</sup>, 4<sup>th</sup> and 6<sup>th</sup>, and tied on the 3<sup>rd</sup>. A record high minimum temperature was tied at San Angelo on Nov. 4.

A cold rain event occurred on Nov. 8. Temperatures were much cooler on Nov. 7, following a strong cold frontal passage. With the arrival of a couple of upper level disturbances, rain and a few thunderstorms occurred across a large part of west-central Texas on the 8<sup>th</sup>. With cloudy skies, daytime temperatures were only in the upper 30s to lower 40s across the area. These temperatures were around 50 degrees colder than the afternoon highs on Nov. 5-6. Rainfall for this event is shown in Figure 3.



**Figure 3: Rainfall Amounts for the 24-hour Period ending at 6 AM, Nov. 9.**

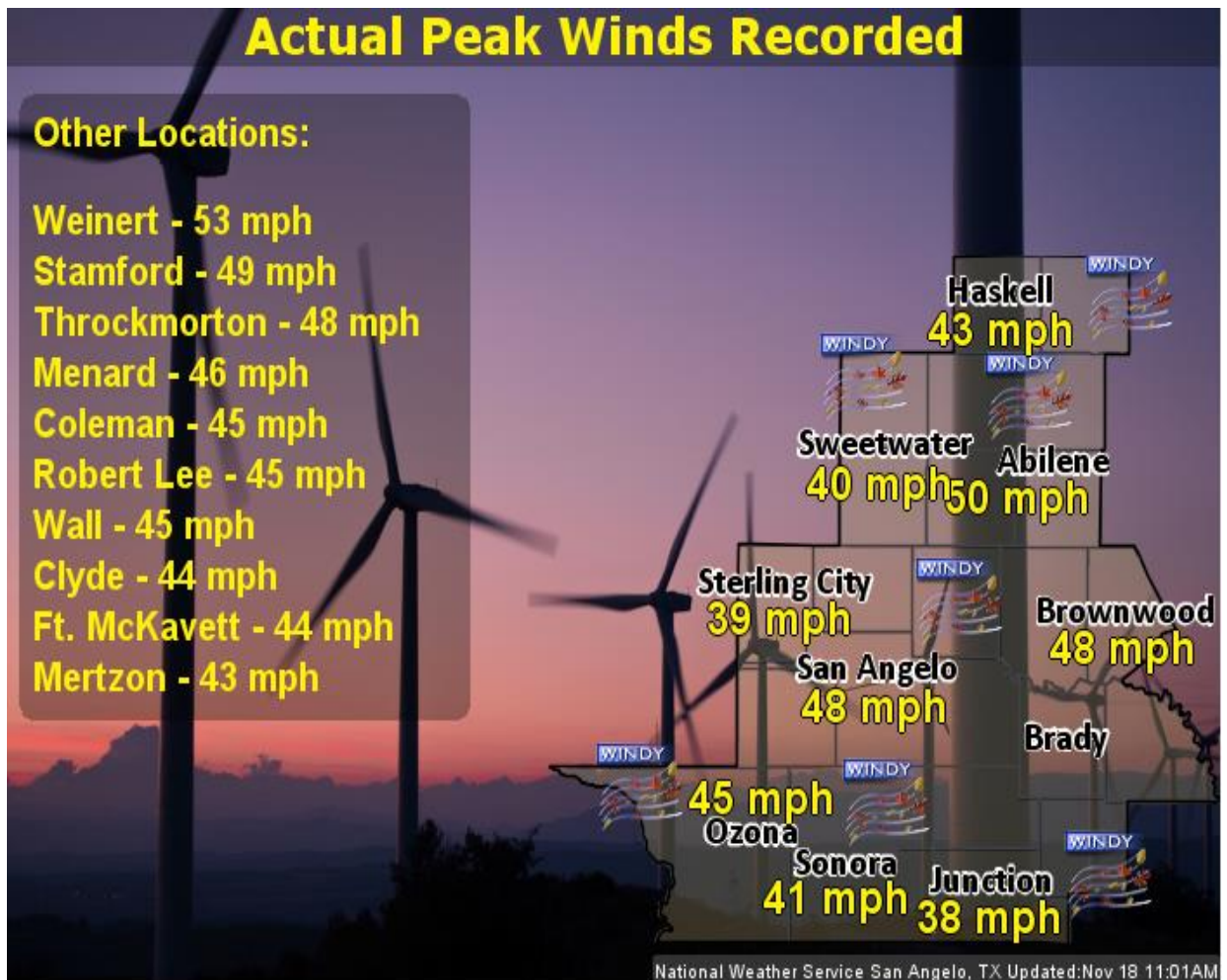
The heavier rainfall (1-2 inches shown by the dark green and yellow shading in Figure 3) occurred across much of the Concho Valley, Heartland, and southeastern Big Country.

Areas of fog and drizzle occurred on the morning of Nov. 10. Mostly cloudy, breezy and warmer conditions followed on Nov. 11 with breezy south winds.

Following a weak cold frontal passage on Nov. 12, areas of fog and drizzle developed and expanded in coverage overnight into the morning of the 13<sup>th</sup>. Patchy light rain also occurred, with rainfall amounts mostly less than one tenth of an inch.

Temperatures were well-above normal on Nov. 14, and on the 16<sup>th</sup> and 17<sup>th</sup>. At San Angelo, a record high temperature (88 degrees) and record high minimum temperature (63 degrees) were recorded on Nov. 17.

Strong, gusty north winds followed passage of a strong cold front on the morning of Nov. 18. Peak wind gusts of 40-50 mph were recorded across most of west-central Texas (Figure 4 below).



**Figure 4: Peak Wind Gusts on Nov. 18, from Automated Weather Stations.**

The weather pattern was fairly quiet across the area for the remainder of the month (Nov. 19-30). With dry airmasses occupying the region and mostly clear skies, daily temperature ranges (between the early morning lows and afternoon highs) were 35-45 degrees on some of the days. Warmups were interspersed with several dry cold frontal passages. Low-level moisture briefly returned to the area from the Gulf of Mexico on Nov. 27-28, resulting in some morning low cloud cover across parts of the southern half of the area. Early morning patchy fog occurred on the 27<sup>th</sup> in Crockett and Sutton Counties.

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