

Climate and Weather Summary for January 2017

Temperatures averaged above normal for the month. Table 1 summarizes January 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 December Precipitation (In.)	Total Snowfall (In.)
Abilene	47.2°	+2.3°	44.9°	1.93"	0.91"	1.02"	Trace
San Angelo	49.4°	+3.0°	46.4°	1.48"	0.55"	0.93"	Trace

Table 1: January 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	81° Jan. 11	55° Jan. 11	25° Jan. 6	9° on Jan. 7	1.00" on Jan. 15
San Angelo	85° Jan. 24	49° Jan. 10	31° Jan. 6	11° Jan. 7	0.59" on Jan. 15

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

A map of total precipitation for January is shown in Figure 1.

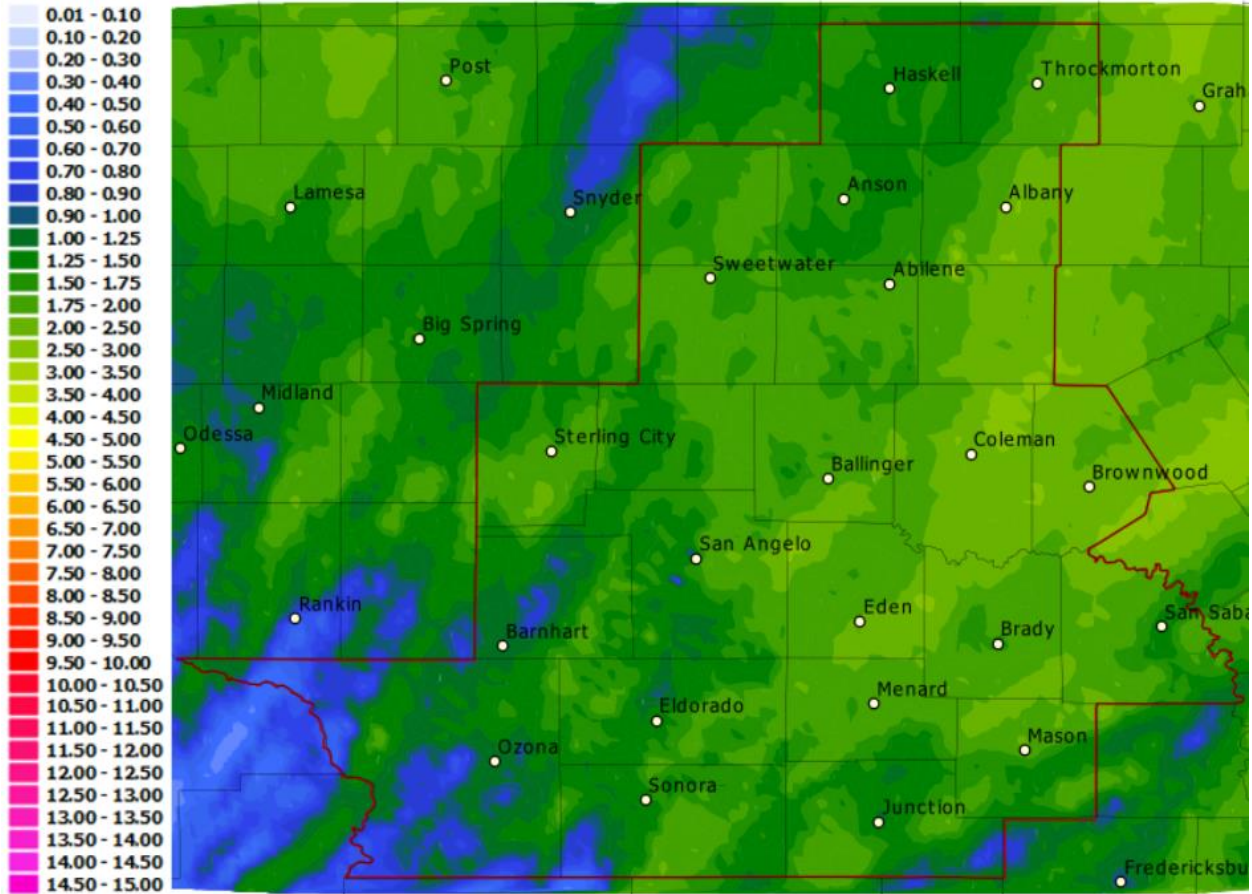


Figure 1: Total Precipitation for January.

The monthly precipitation was between 2 and 3 inches across much of the area east of a Throckmorton to San Angelo line, and northeast of a San Angelo to Mason line. A few other small areas around west-central Texas received more than 2 inches of precipitation. The lowest precipitation amounts for the month, between one-half and one inch, occurred at a few locations west and southwest of San Angelo, in parts of western and southern Crockett County, and at isolated locations south of the Interstate 10 corridor in Sutton and Kimble Counties. For nearly all of west-central Texas, precipitation for January was above normal (not shown).

Weather Highlights:

An area of showers and thunderstorms, with gusty winds at the leading edge, moved quickly east across west-central Texas during the overnight hours of the 1st and 2nd. Peak wind gusts 44 mph at San Angelo and Junction. Show map with rainfall amounts.

Very cold air invaded the region from the north on the 6th. [Early morning low temperatures on the 7th](#) were mostly in the 8-15 degree range across west-central Texas. Temperatures were much warmer on Jan. 9-11, with gusty south to southwest winds. Highs were in mostly in the 75-80 degree range on the

10th, and in the upper 70s to lower 80s on the 11th. A record high of 83 degrees was set at San Angelo on the 11th. Peak wind gusts at Abilene were 44 mph on the 9th, and 48 mph on the 10th.

Cold and damp conditions developed late on the 13th and continued into the early morning of the 15th. Fog was widespread with visibilities reduced to one-half mile or less at times. Although some light freezing drizzle occurred across the Big Country on the 14th with temperatures near freezing, no ice was reported. Rain showers occurred across the eastern Big Country and northern Heartland during the day on the 14th, with rainfall amounts mostly between one quarter and three quarters of an inch.

Severe weather, uncharacteristic for January in west-central Texas, occurred in parts of the Northwest Hill Country and southern Heartland on the evening of the 15th. As a potent upper level storm system moved northeast into West Texas, a cold front moved east across west-central Texas during the late afternoon and evening hours. With the arrival of this front into a more moist unstable airmass, a band of thunderstorms developed and progressed east across the area. For most of west-central Texas along and south of Interstate 20, gusty winds and some small hail occurred, in addition to heavy rain. Part of this band of storms intensified, producing stronger winds. The most significant damage, from a [tornado, occurred in Mcculloch County](#). This tornado, rated as EF-2 on the Enhanced Fujita Scale, occurred approximately 8 miles southeast of Brady. Numerous trees were uprooted or had trunks snapped off. Figure X shows rainfall amounts for the 24-hour period, ending at 7 AM on Jan. 16.

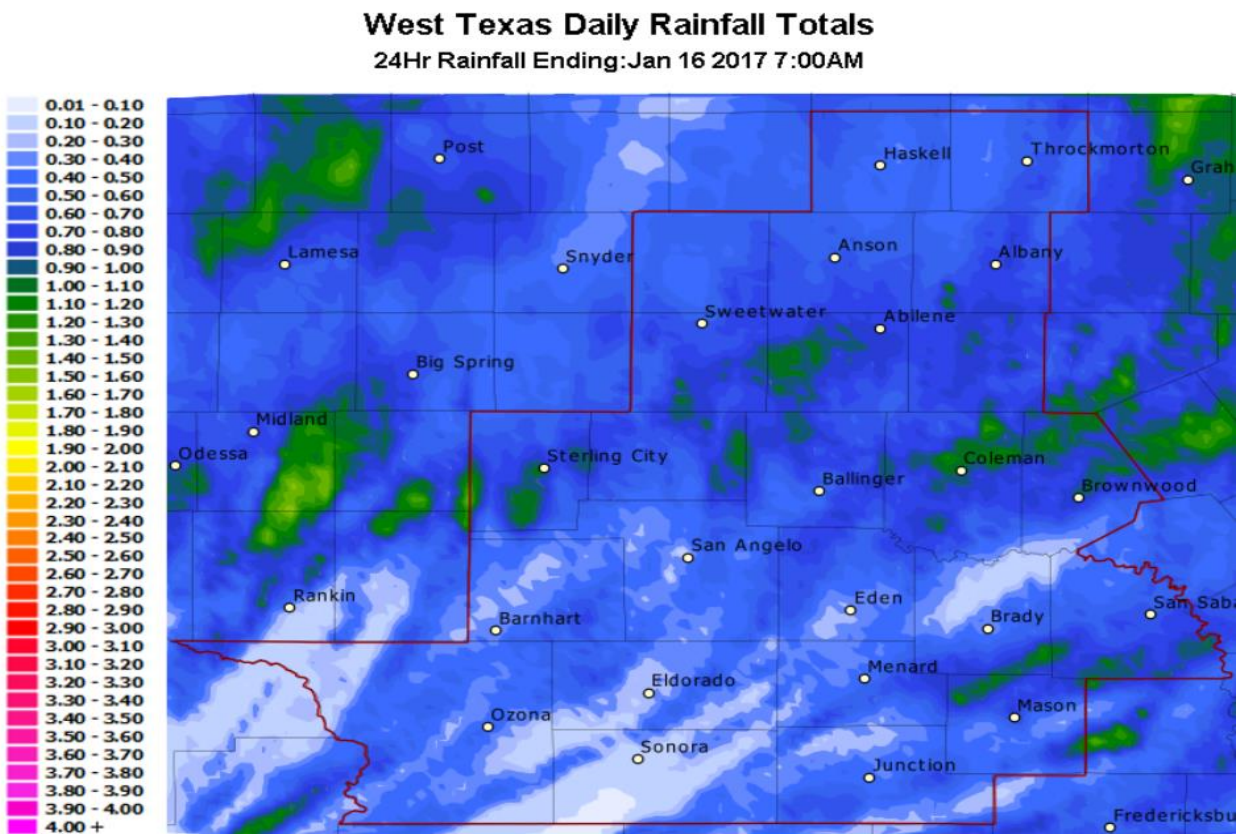


Figure 2: Rainfall for the 24-hour period ending at 7 AM, January 16.

Rainfall amounts varied between one-half inch and 1.5 inches, across most of west-central Texas.

Wet and colder conditions occurred again on Jan. 17, with the proximity of an upper level storm system. Showers and scattered thunderstorms were widespread across west-central Texas. Rainfall amounts were between one-half and one inch across much of the area.

Windy conditions occurred on Jan. 19-22, with a high wind event during the overnight hours of the 21st and 22nd. A couple of locations (including San Angelo) recorded peak wind gusts over 50 mph.

Some wet snow occurred during the evening and early nighttime hours of Jan. 27, across the area west of a San Angelo to Sonora line. Minor accumulations of less than one-half inch occurred, mainly on grassy surfaces. With the approach and arrival of an upper level disturbance, a cold rain developed. The rain became mixed with and changed to wet snow as temperatures dropped into the lower to mid 30s across parts of the area.

Dry weather occurred on Jan. 28-31 with a warming trend in daytime temperatures.