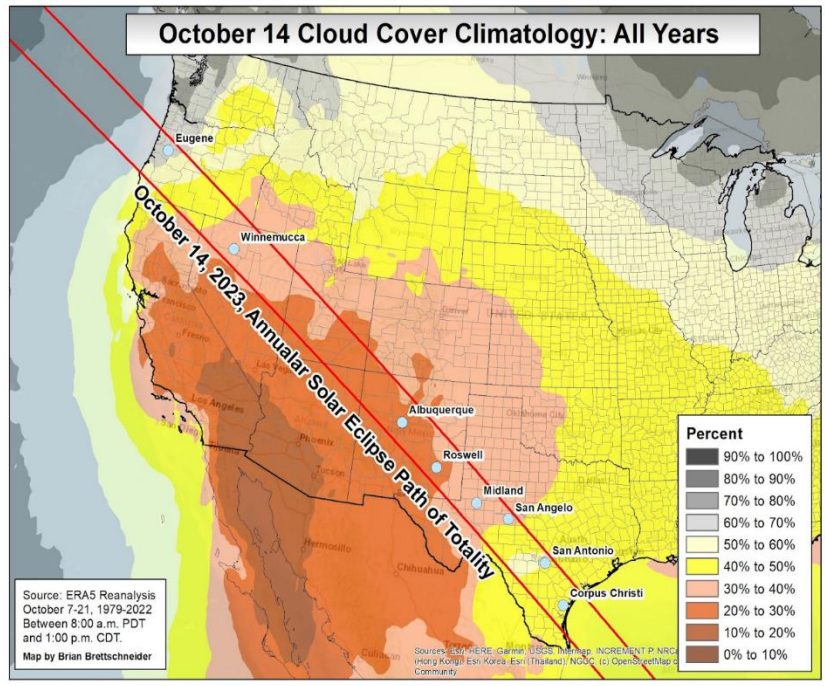
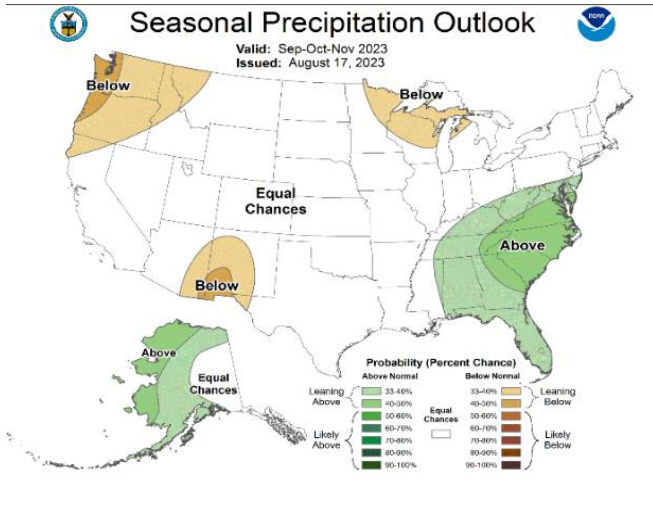
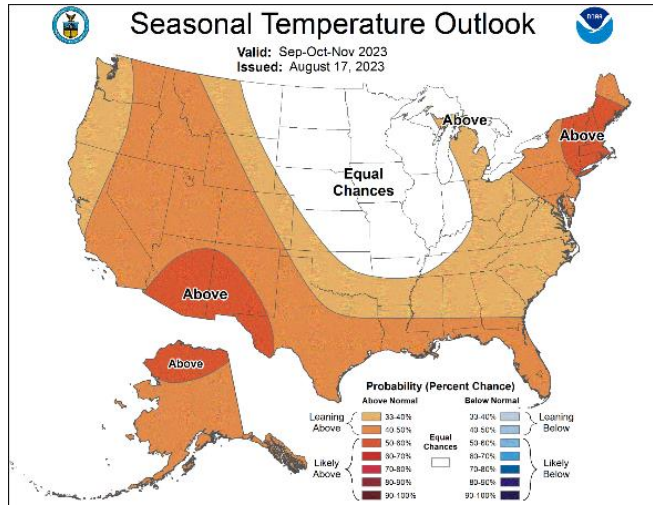




# Tom Green County October Eclipse Weather Climatology



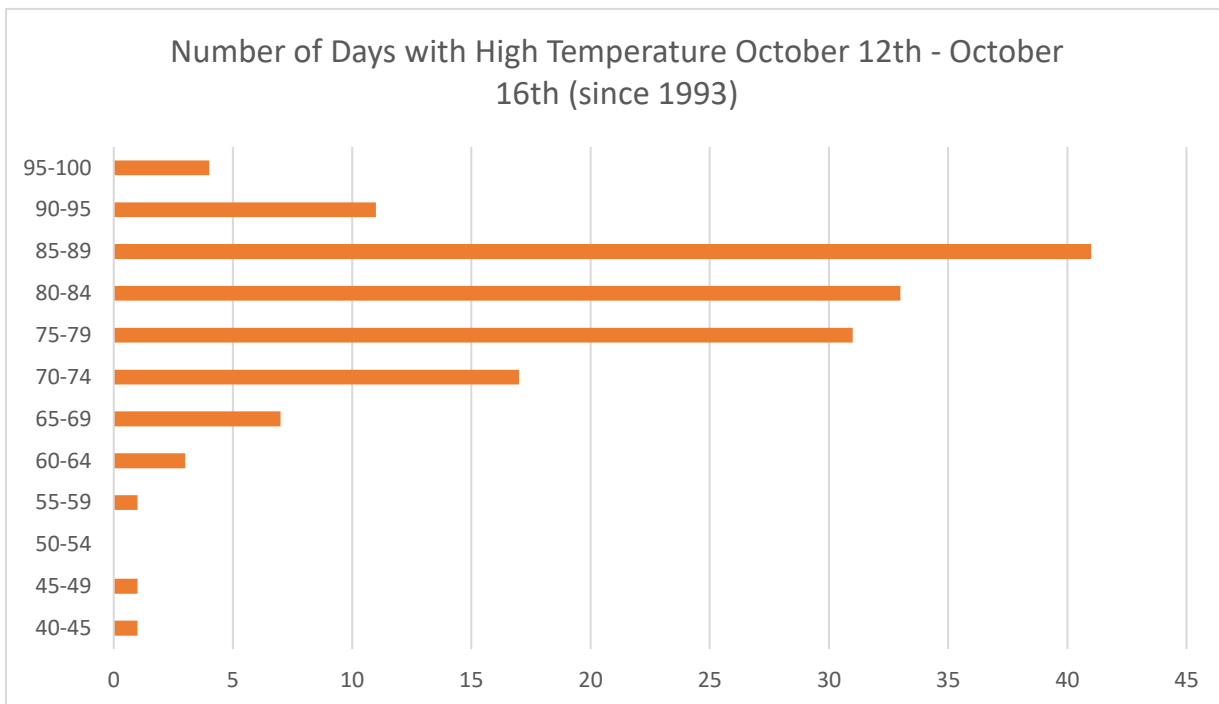
Cloud cover across much of the eclipse path is usually ideal for eclipse viewing, especially from Nevada into West Central Texas.



The Seasonal Outlook from the Climate Prediction Center calls for the three month period from September to November to likely be warmer than normal, with about equal chances of below normal, near normal, or above normal precipitation.



## SAN ANGELO HIGH TEMPERATURES



### San Angelo for Only October 14<sup>th</sup>:

Average High (since 1993): 80.8

Hottest High (since 1993): 96 2020

Hottest High (since 1907): 96 2020

Coldest High (since 1993): 56 2002

Coldest High (since 1907): 55 1914

### San Angelo for Period October 12th-16th:

Above 85: 37.3%

Above 90: 10.0%

Above 95: 1.6%

Below 60: 2.7%

Hottest High (since 1993): 96

Hottest High (since 1907): 102

Coollest High (since 1993): 44

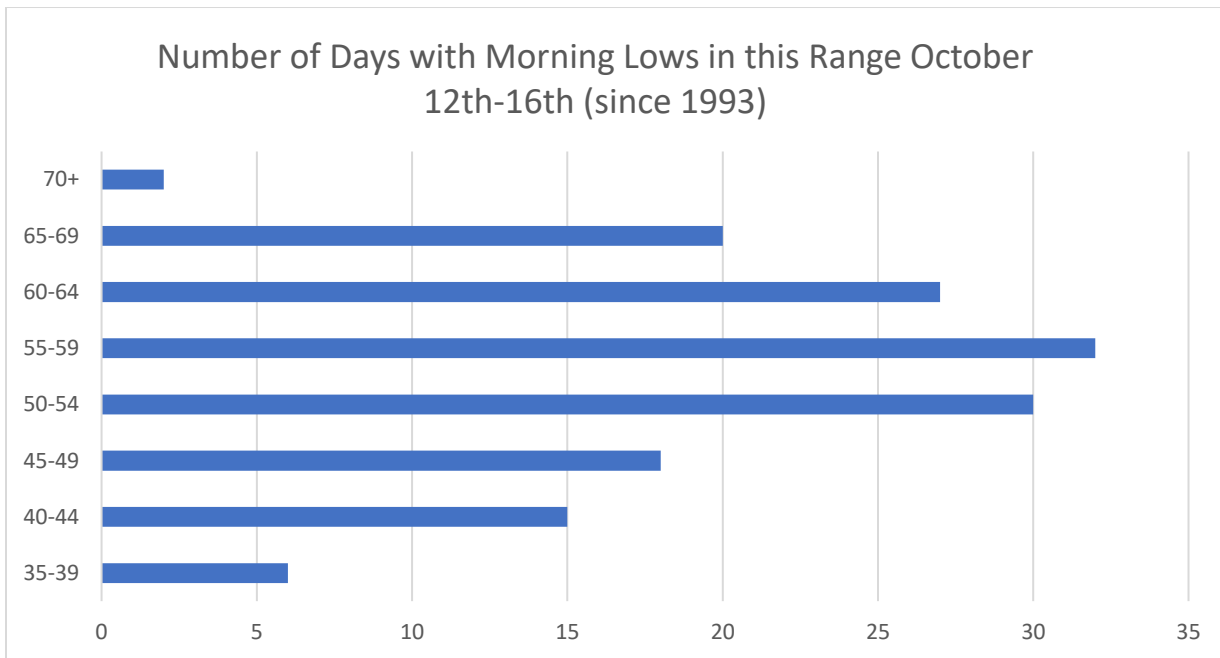
Coollest High (since 1907): 44

Since 1993, the average high temperature in San Angelo is around 81 degrees with most highs between 75 and 90 degrees (70%). Highs above 90 degrees occur about 10% of the time.

Only a few days show really cool temperatures and are mostly associated with rainfall as well. Cool temperatures with highs in the 40s are rare but possible, occurring twice in the last 30 years.



## SAN ANGELO LOW TEMPERATURES



### San Angelo for Only October 14<sup>th</sup>:

Average Low: 55.6

Coldest Low (since 1993): 37 1997

Coldest Low (since 1907): 37 1997

Warmest Low (since 1993): 68 2013

Warmest Low (since 1907): 70 1941

### San Angelo for Period October 12<sup>th</sup> 16<sup>th</sup>:

Below 40: 4.0%

Below 45: 14.0%

Above 65: 14.7%

Above 70: 1.3%

Coldest Low (since 1993): 36 1997

Coldest Low (since 1907): 32 1940

Warmest Low (since 1993): 70 2008

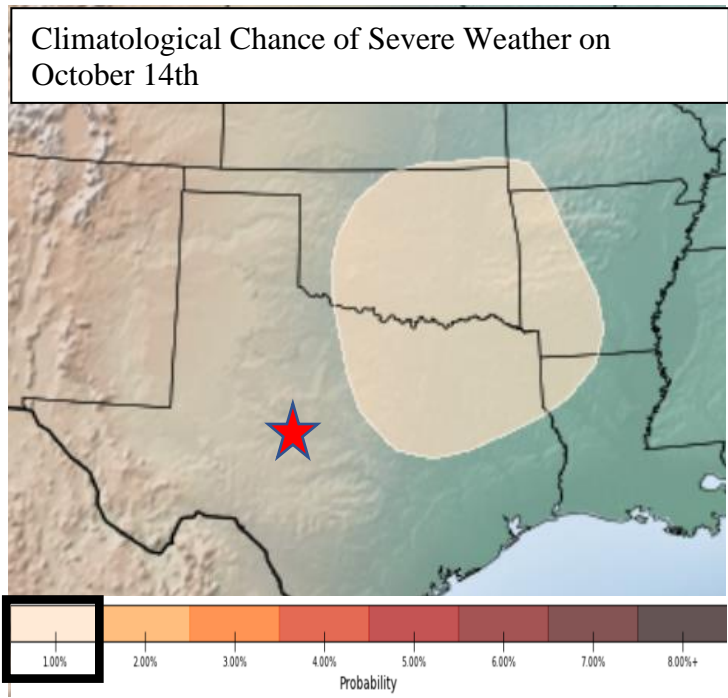
Warmest Low (since 1907): 73 1962

Morning low temperatures in San Angelo average around 56 degrees. Most of the morning lows are between 50 and 64 degrees (59%).

However, the first cold fronts are arriving about this time and colder mornings below 45 degrees or even 40 degrees are just as likely as warmer readings above 65 degrees or even 70 degrees.



## Severe Thunderstorm, Lightning, and Precipitation Climatology



For October 14<sup>th</sup> alone, the odds of severe weather are less than 1%.

However, the chances for severe weather on some day between October 7<sup>th</sup> and October 21<sup>st</sup> are higher. We have had had 11 years (41%) where we have issued Tornado, Severe Thunderstorm, or Flash Flood Warnings for Tom Green County since 1996.

### Tom Green County Severe Weather Reports for October 7<sup>th</sup> – 21<sup>st</sup>

0.88 inch Hail	San Angelo	October 21 1996
0.75 inch Hail	San Angelo	October 21 1996
0.75 inch Hail	San Angelo	October 10 2001
0.88 inch Hail	San Angelo	October 10 2001
0.75 inch Hail	Harriet	October 12 2001
Flash Flood	San Angelo	October 10 2003
1.50 inch Hail	Christoval	October 10 2004
0.88 inch Hail	Carlsbad	October 13 2012
1.75 inch Hail	San Angelo	October 13 2012
1.00 inch Hail	Christoval	October 13 2012
61 mph Wind	Wall	October 13 2013
Flood	Wall	October 13 2013
1.00 inch Hail	San Angelo	October 18 2013



## Lightning Data for Tom Green County

Daily lightning climatology shows about a 13% chance of lightning for October 14<sup>th</sup>. But chances go up to 47% for lightning at SOME POINT during the period from October 12<sup>th</sup> – October 16<sup>th</sup>.

## San Angelo Rainfall Climatology

### October 14<sup>th</sup> Rainfall Climatology:

Days of Measurable Rain (since 1996): 5 (16.7%)

Days of Measurable Rain (since 1907): 18 (20%)

### Period of October 12<sup>th</sup> – October 16<sup>th</sup>:

Days of Measurable Rain (since 1996): 28 (29.6%)

Days of Measurable Rain (since 1907): 91 (20.2%)

Most Rain (since 1996): 1.91 inches on October 13<sup>th</sup> 2018

Most Rain (since 1907): 3.92 inches on October 12<sup>th</sup> 1969