

November 2017

Weather Digest



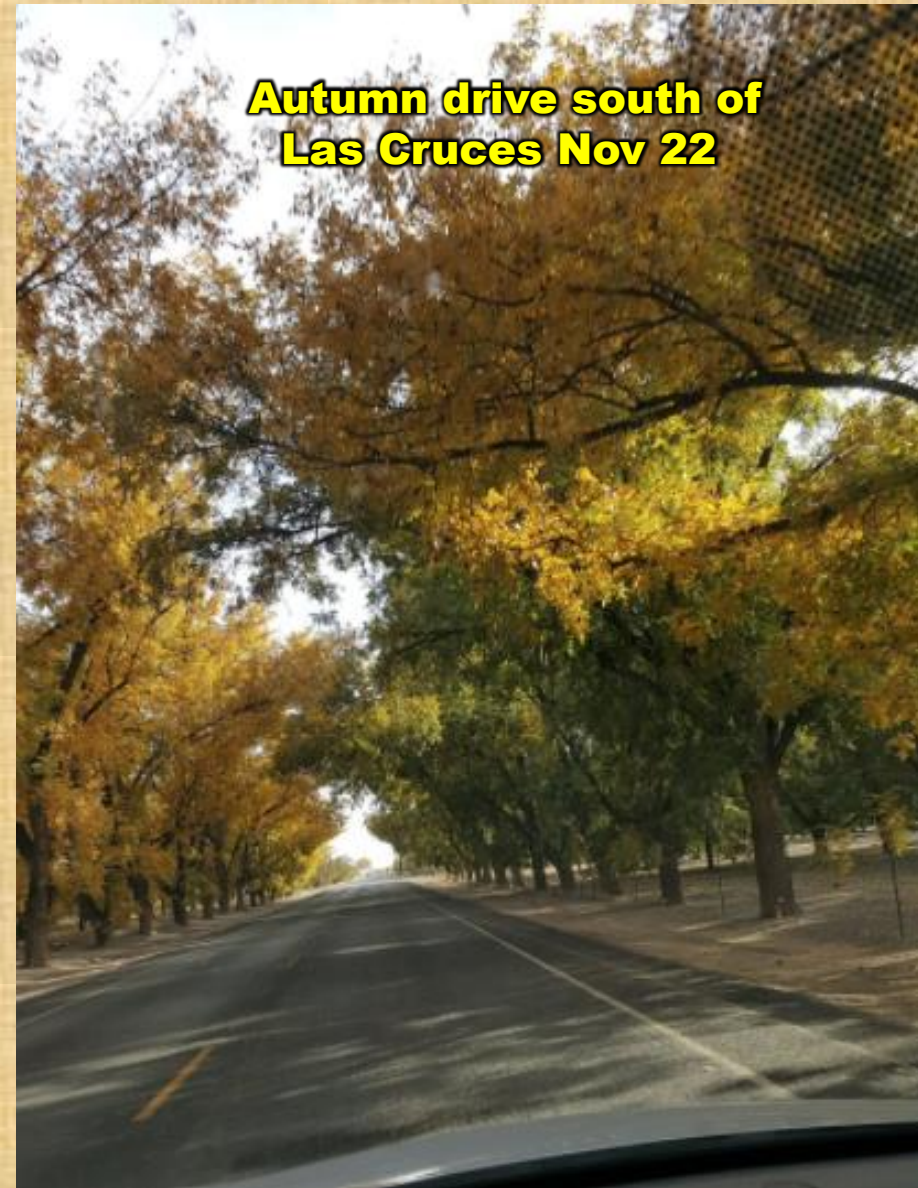
November 2017 Weather Summary

November was a very quiet month across the Borderland, which is quite often the case, especially during a La Niña episode. For much of the month, an upper high and ridge remained stationary near the Baja Peninsula for nearly three weeks, from about the 5th to the 25th. This resulted in a very warm month. In fact for most places it is was the warmest November on record. Interestingly, on the 8th, a weak disturbance made it through the ridge and brought light rain to much of the area. For many places, this would be the only day of the month to receive precipitation.

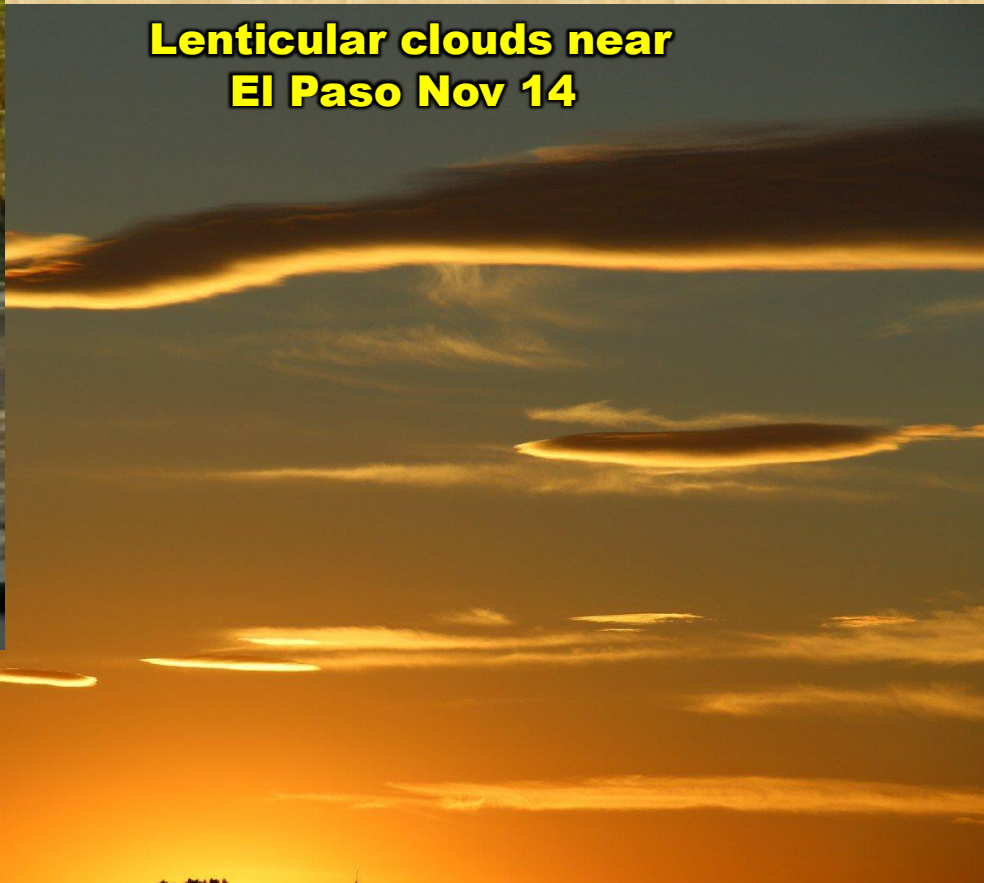
As a result of this very dry month, minor drought conditions are developing over much of the area. And the seasonal outlook does not promise much hope, with the forecast to remain dry, in large part because of the developing La Niña. La Niña winters usually are quite dry for northern New Mexico mountains, and also the upper head waters of the Rio Grande (see chart below). This winter may undo some of the progress of the past couple winters of recharging New Mexico reservoirs, including Elephant Butte.

Looking ahead to December, though daylight continues to decrease, sunset times actually very slowly become later and later. Average temperatures continue to fall, as we don't see average temperatures start to increase until well into January. The day of shortest daylight (winter Solstice) occurs on December 21st this year.

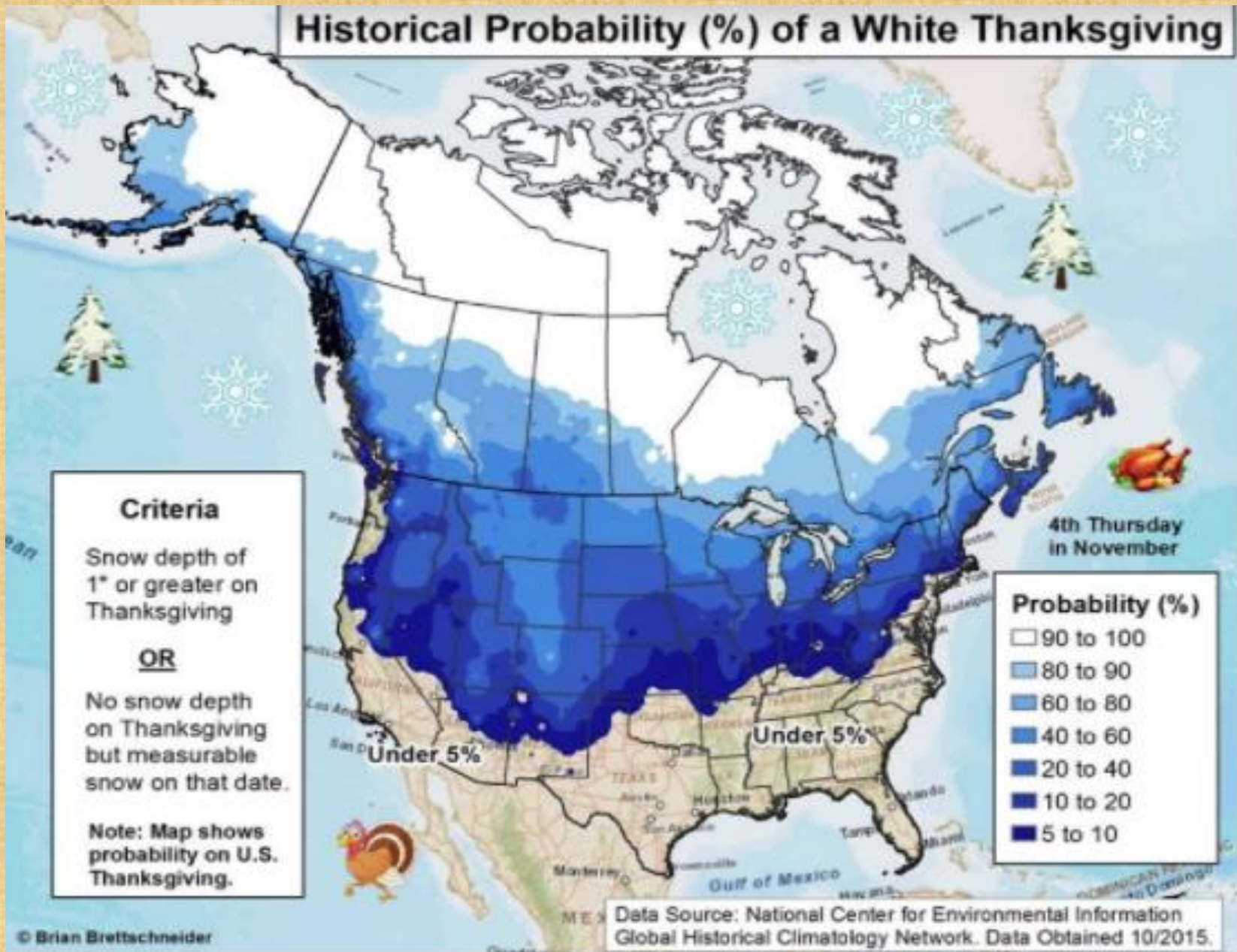
**Autumn drive south of
Las Cruces Nov 22**



**Lenticular clouds near
El Paso Nov 14**



What is our chance of a white Thanksgiving? Not very good, even for our mountains.



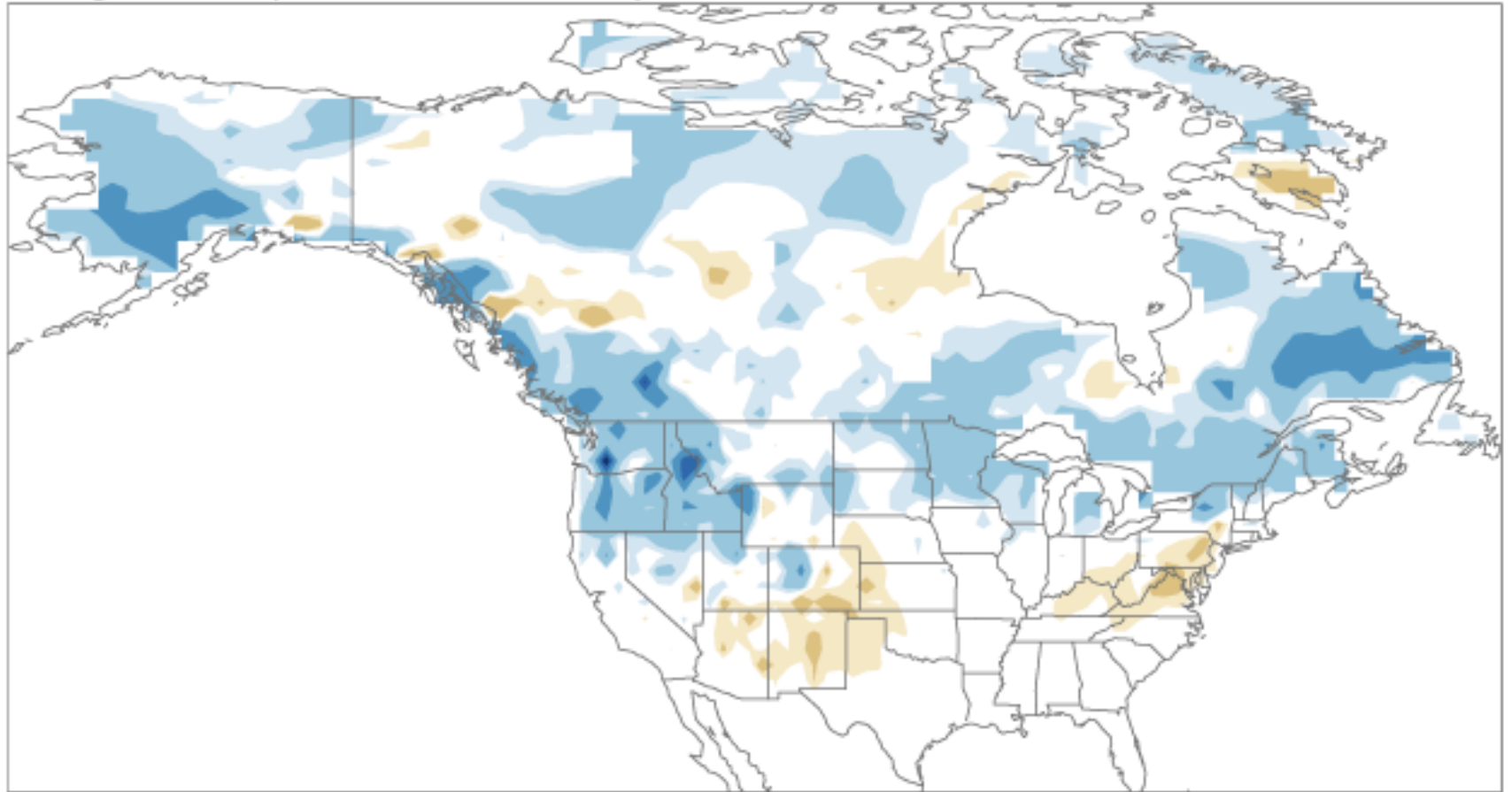
La Niña Advisory in Effect

ENSO Alert System

- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

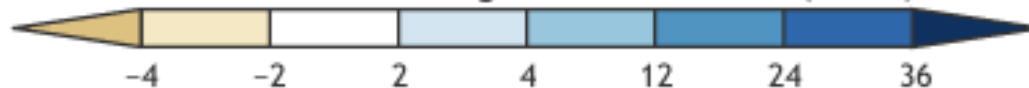
La Niña pattern typically means very little in the way of snow fall for New Mexico, and that includes the upper Rio Grand River Basin of southern Colorado.

Average snowfall patterns for all La Niña years



October-April
1950-51 to 2008-09

Difference from average seasonal snowfall (inches)



NOAA Climate.gov
Data: Rutgers GSL

Top 10 Warmest Novembers on Record

El Paso area

Weather Forecast Office

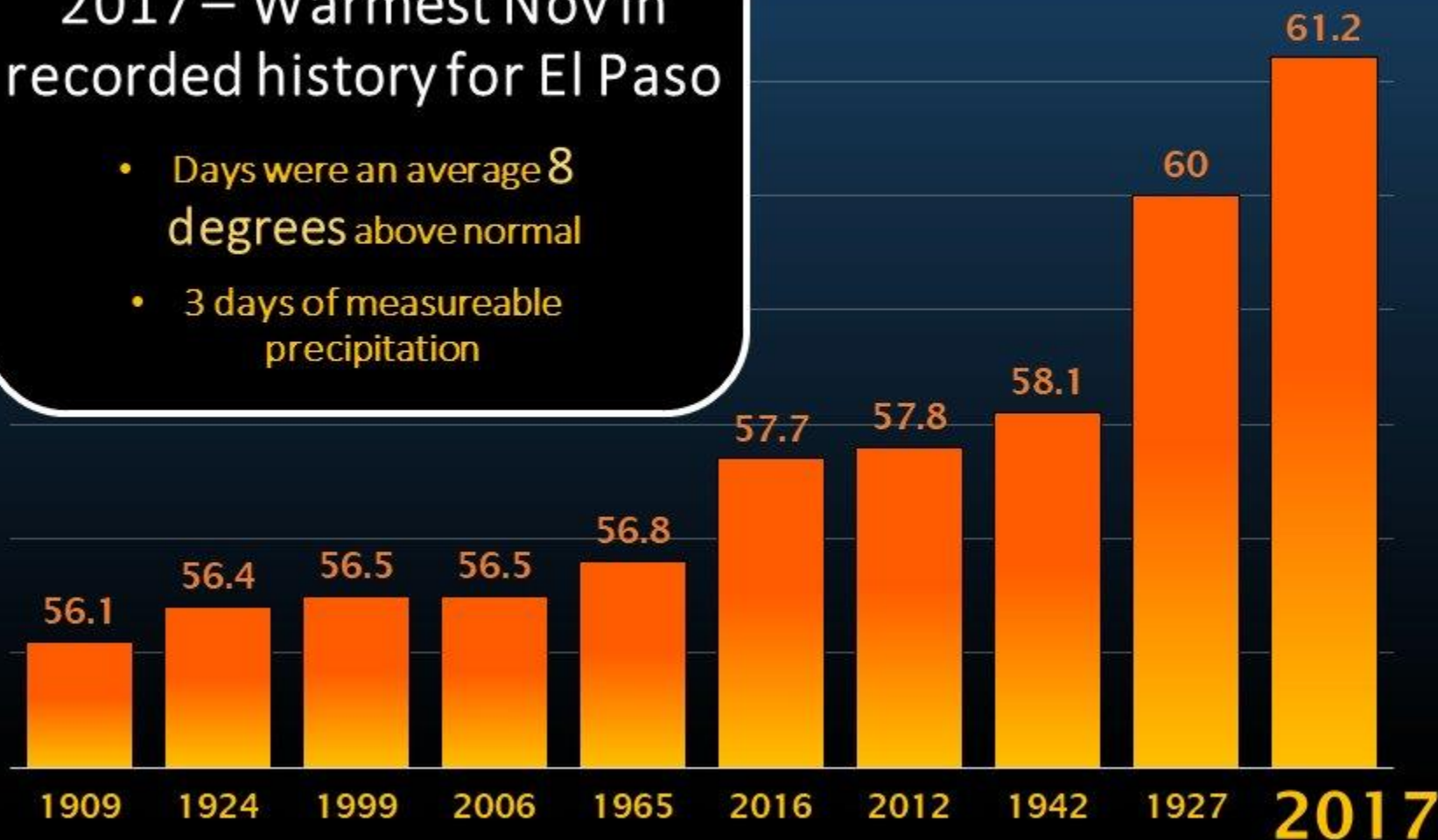
El Paso, TX

Issued December 1, 2017 4:30AM



2017 – Warmest Nov in recorded history for El Paso

- Days were an average 8 degrees above normal
- 3 days of measureable precipitation



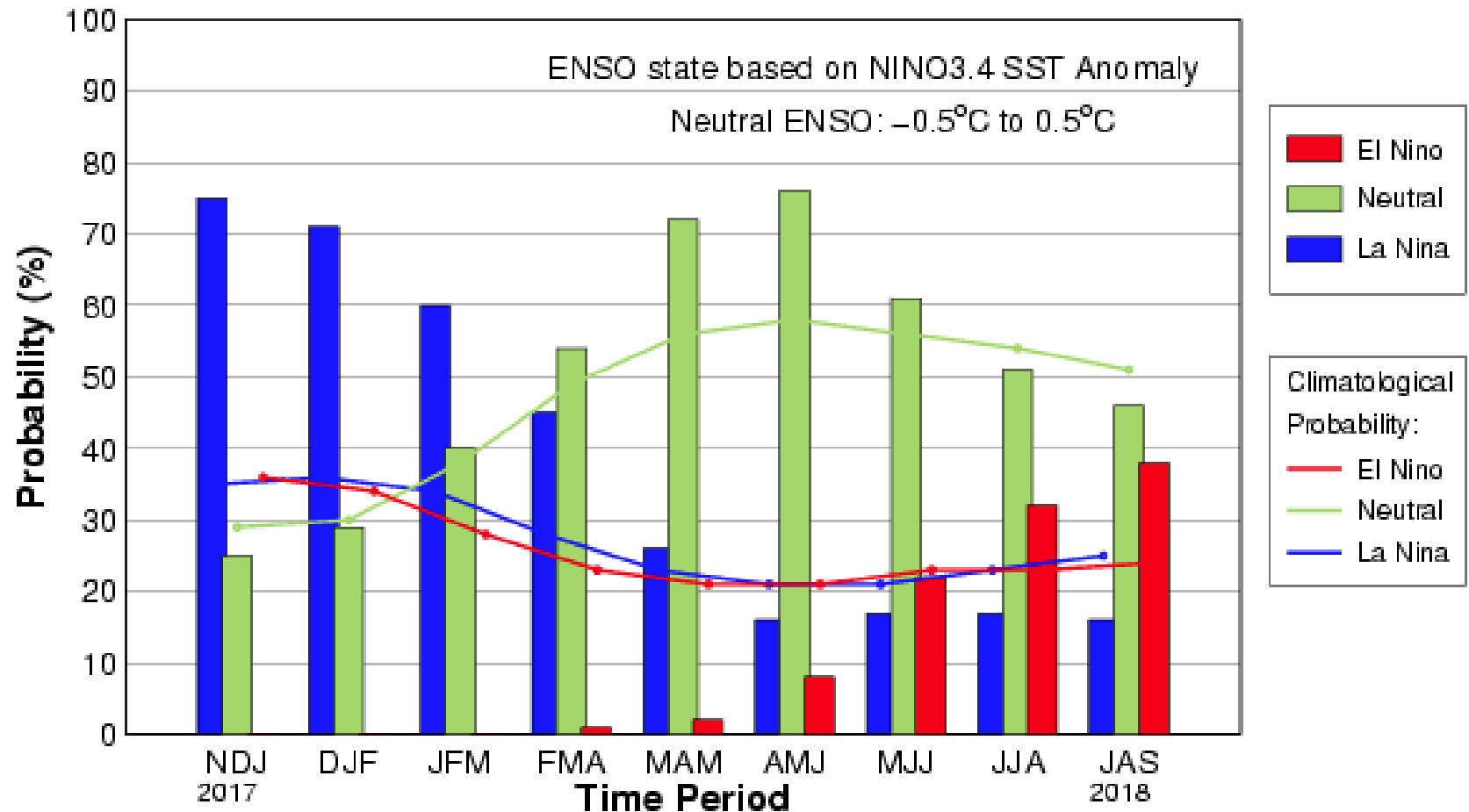
Data source: Mean Average Temperature - KELP Automated Weather Station

Period of Record 1887-2017

ENSO Forecast from November into Late Summer of 2018

ENSO IS AT BEGINNING STAGE OF A LA NIÑA. IT IS LIKELY TO LAST THROUGH LATE WINTER; THEN LIKELY BACK TO NEUTRAL BY EARLY SUMMER

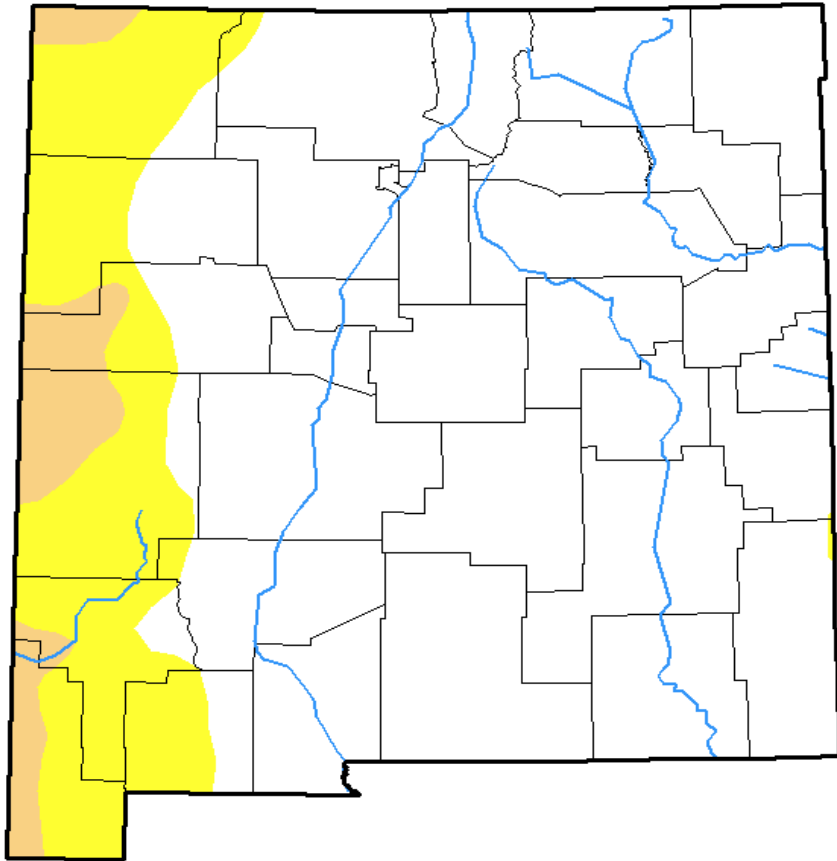
Mid-Nov IRI/CPC Model-Based Probabilistic ENSO Forecast



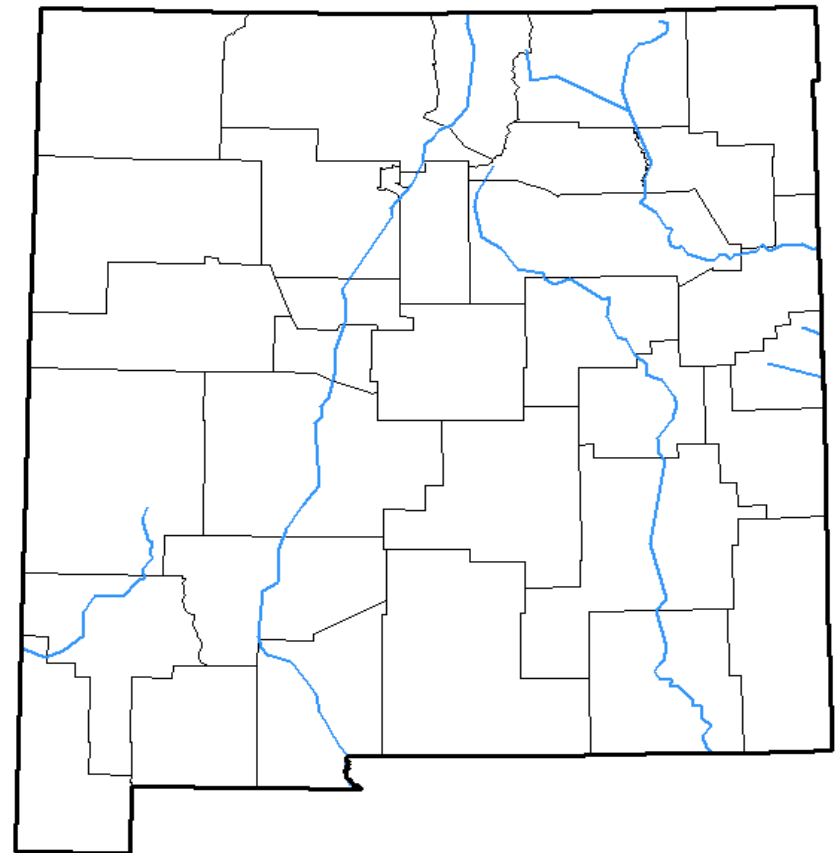
Current drought conditions for New Mexico and 3 month change

- Abnormally Dry – D0
- Moderate Drought – D1
- Severe Drought – D2
- Extreme Drought – D3
- Exceptional – D4

November 21, 2017








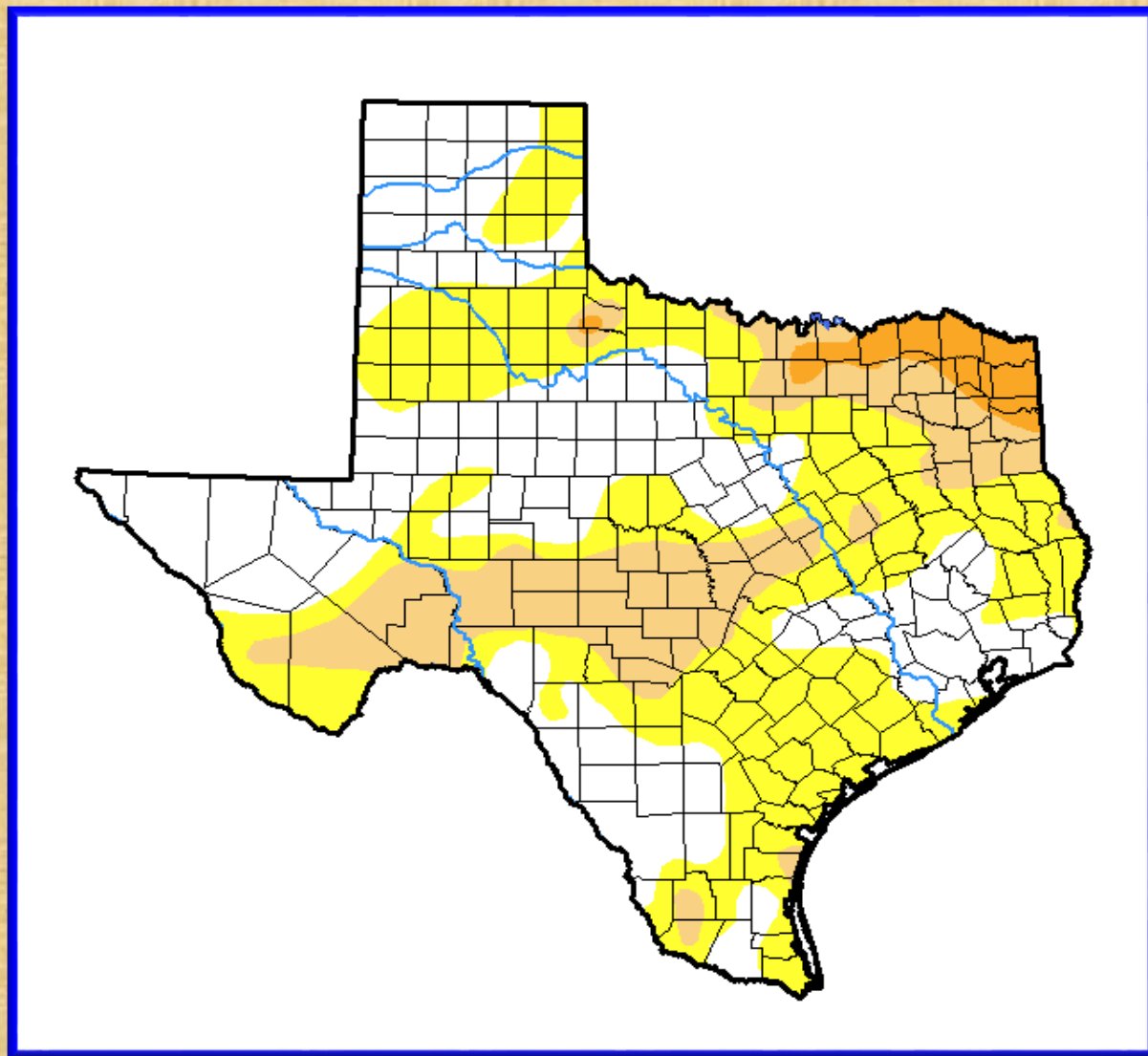
August 29, 2017



Current drought conditions for Texas as of November 21, 2017

Intensity:

-  D0 - Abnormally Dry
-  D1 - Moderate Drought
-  D2 - Severe Drought
-  D3 - Extreme Drought
-  D4 - Exceptional Drought

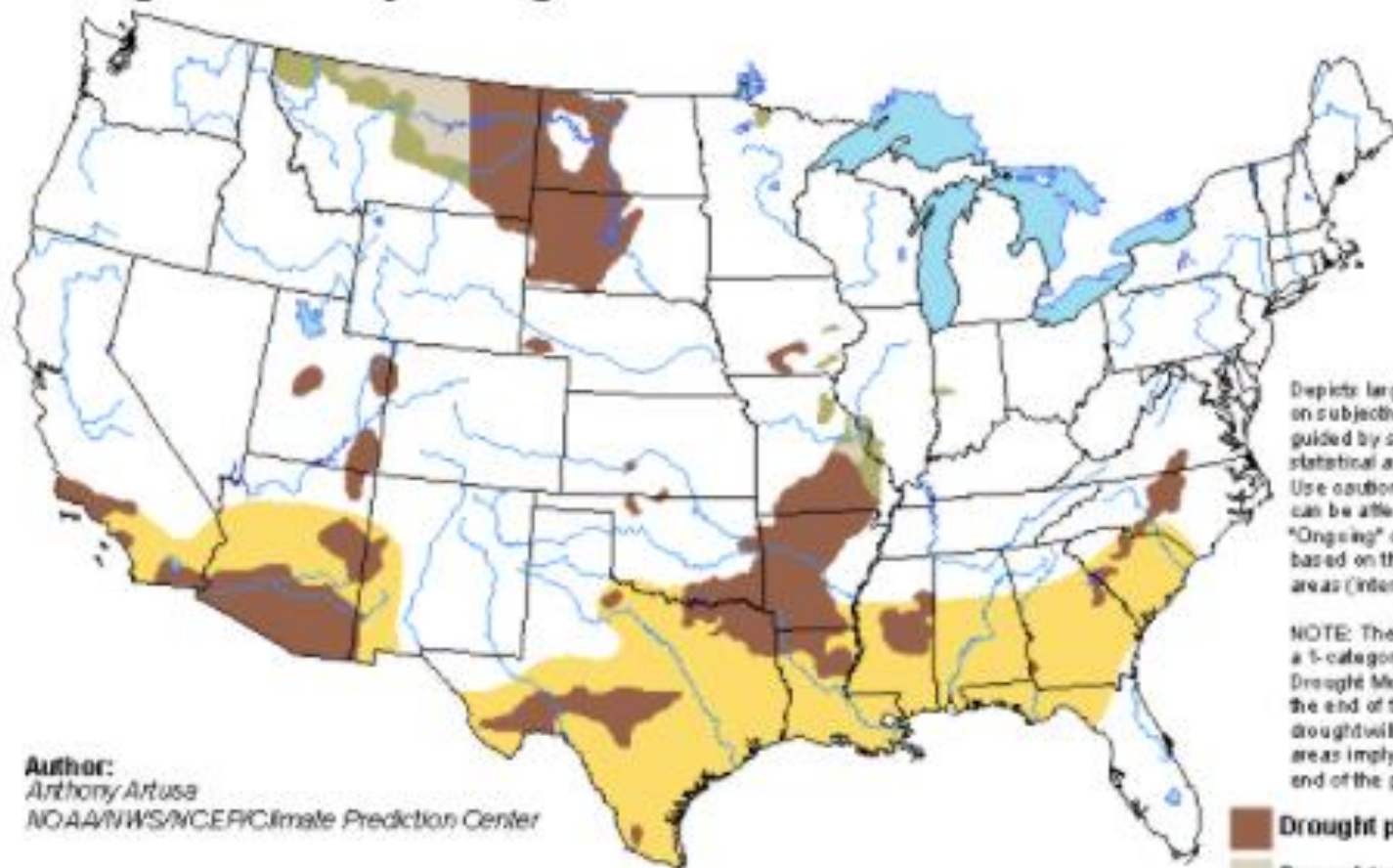


Build your own custom slider maps here at:

<http://droughtmonitor.unl.edu/Maps/ComparisonSlider.aspx>

U.S. Seasonal Drought Outlook





Valid for November 16 - February 28, 2018
Drought Tendency During the Valid Period
Released November 16, 2017



Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short-lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensity of D1 to D4).

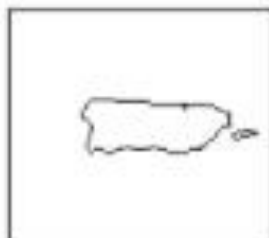
NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity level by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:
Anthony Artusa
NOAA/NWS/NCEP/Climate Prediction Center

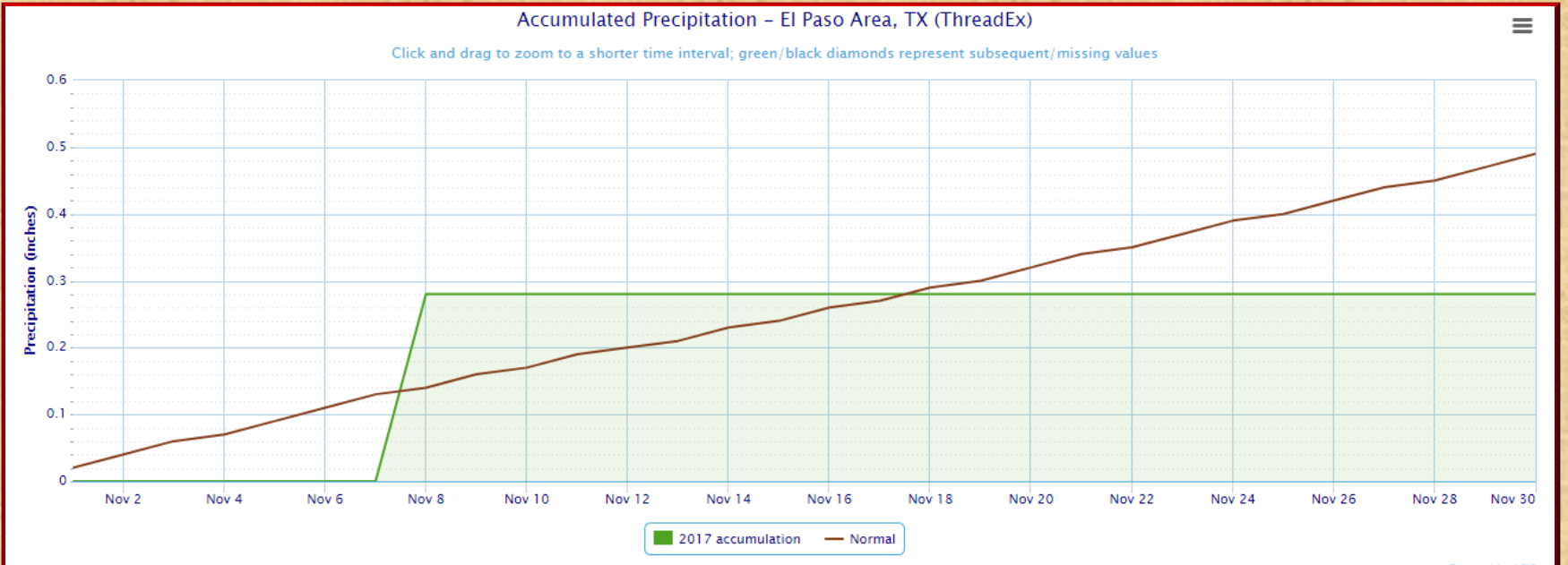
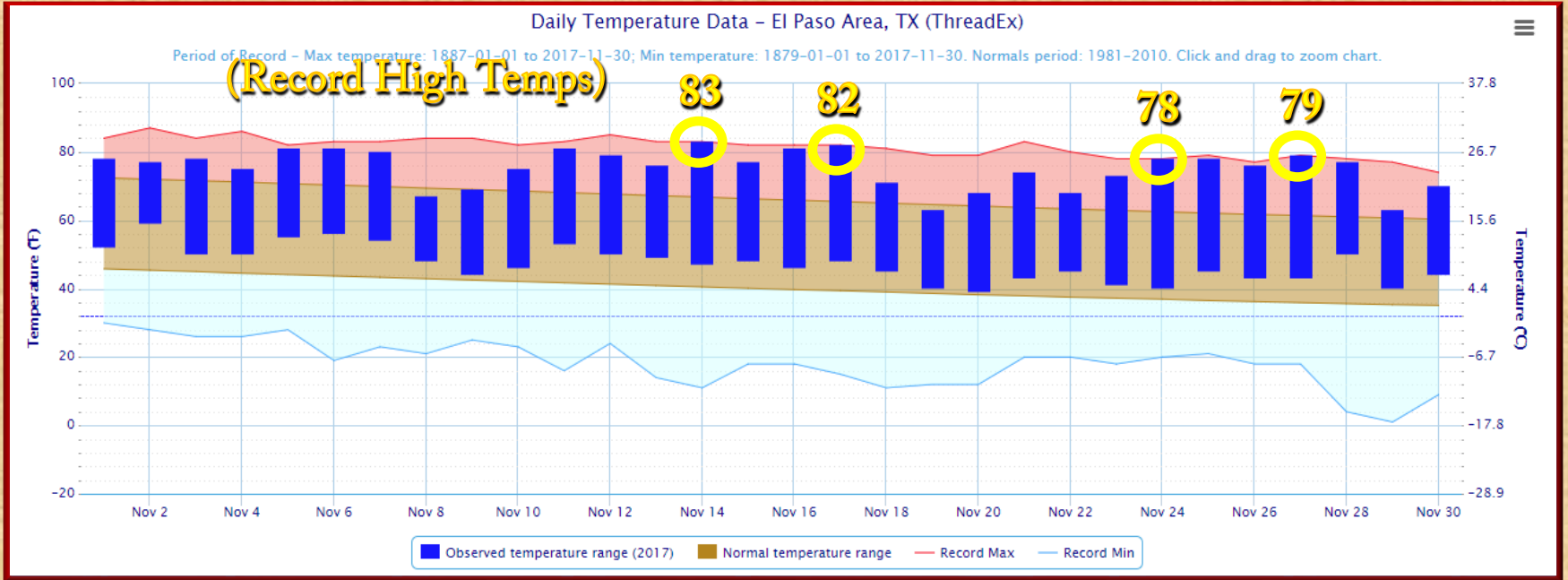
-  Drought persists
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



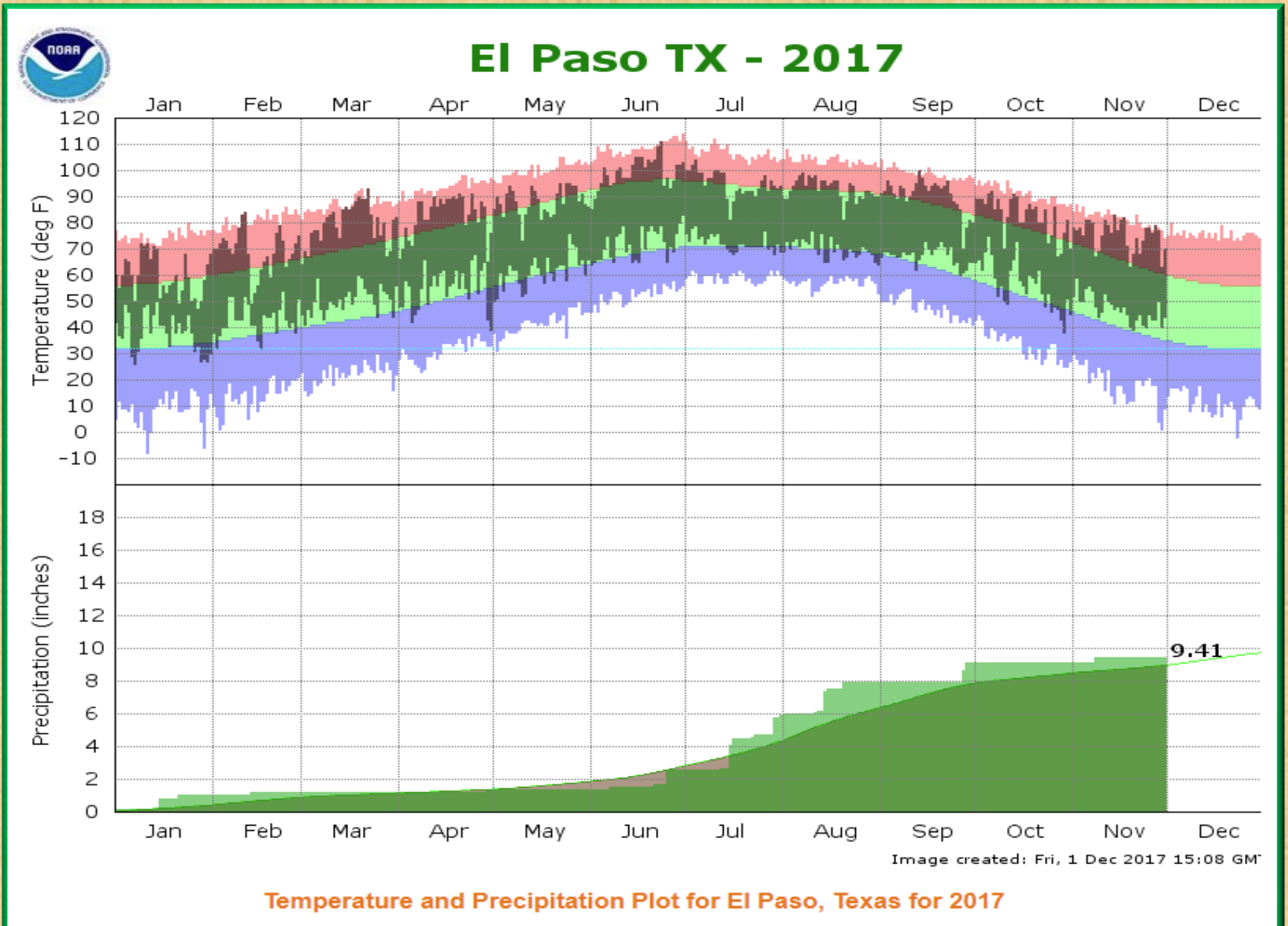
<http://go.usa.gov/3eZ73>



Temperature and precipitation data for November 2017 in El Paso



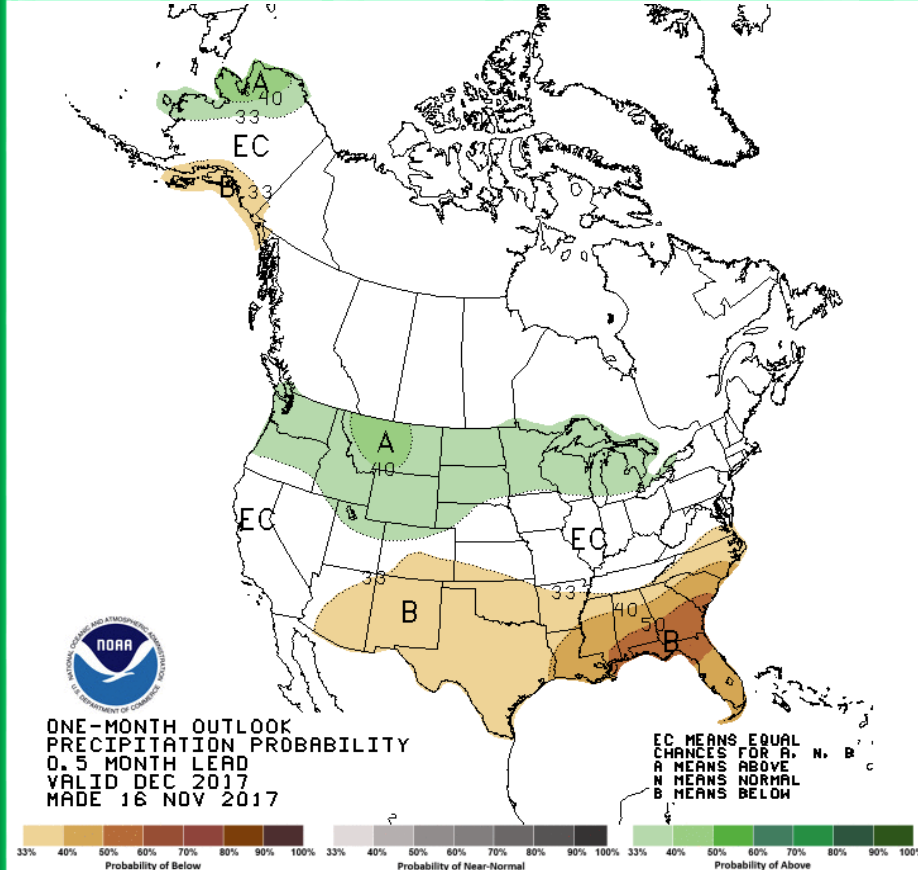
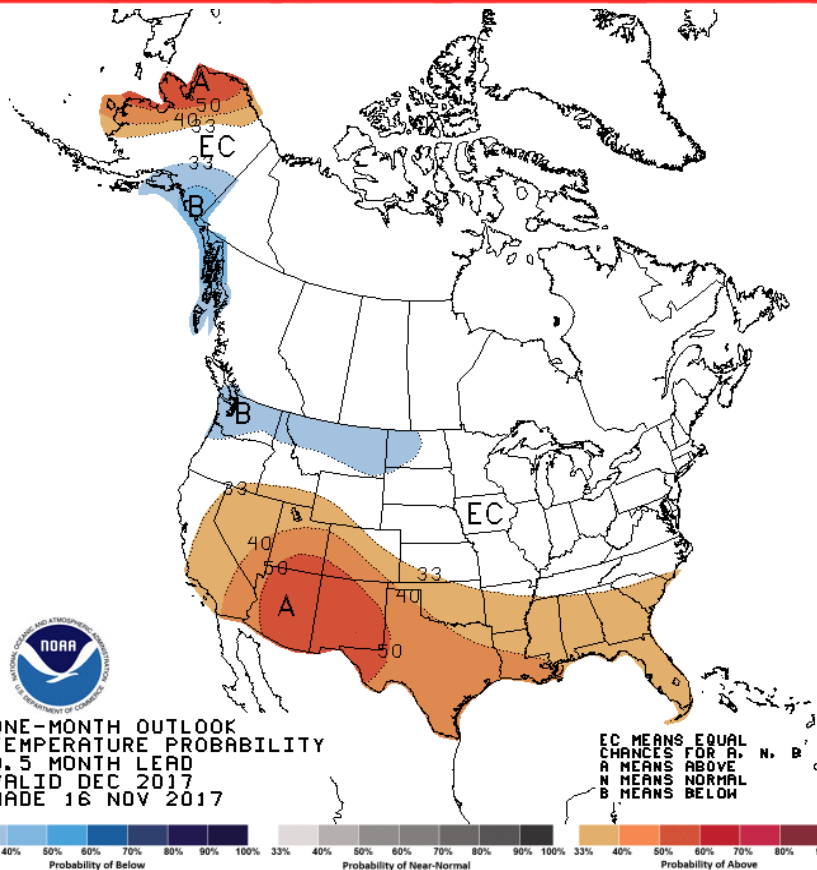
2017 year-to-date temperature and precipitation data El Paso



Temperature and precipitation outlook for December 2017

Temperature

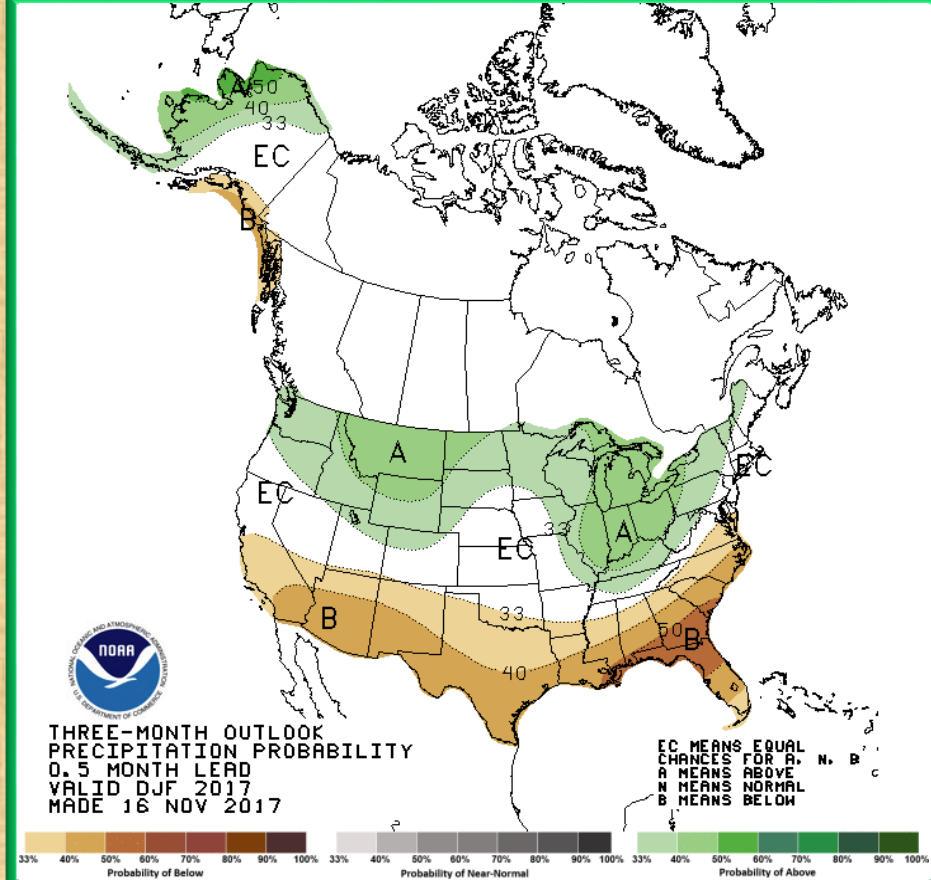
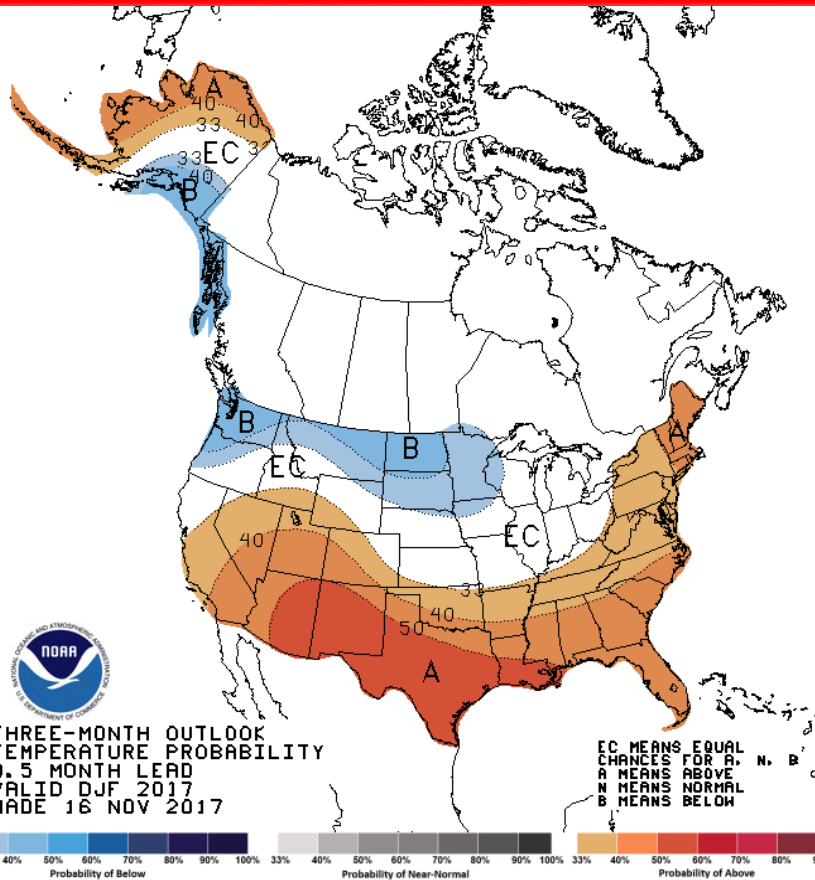
Precipitation



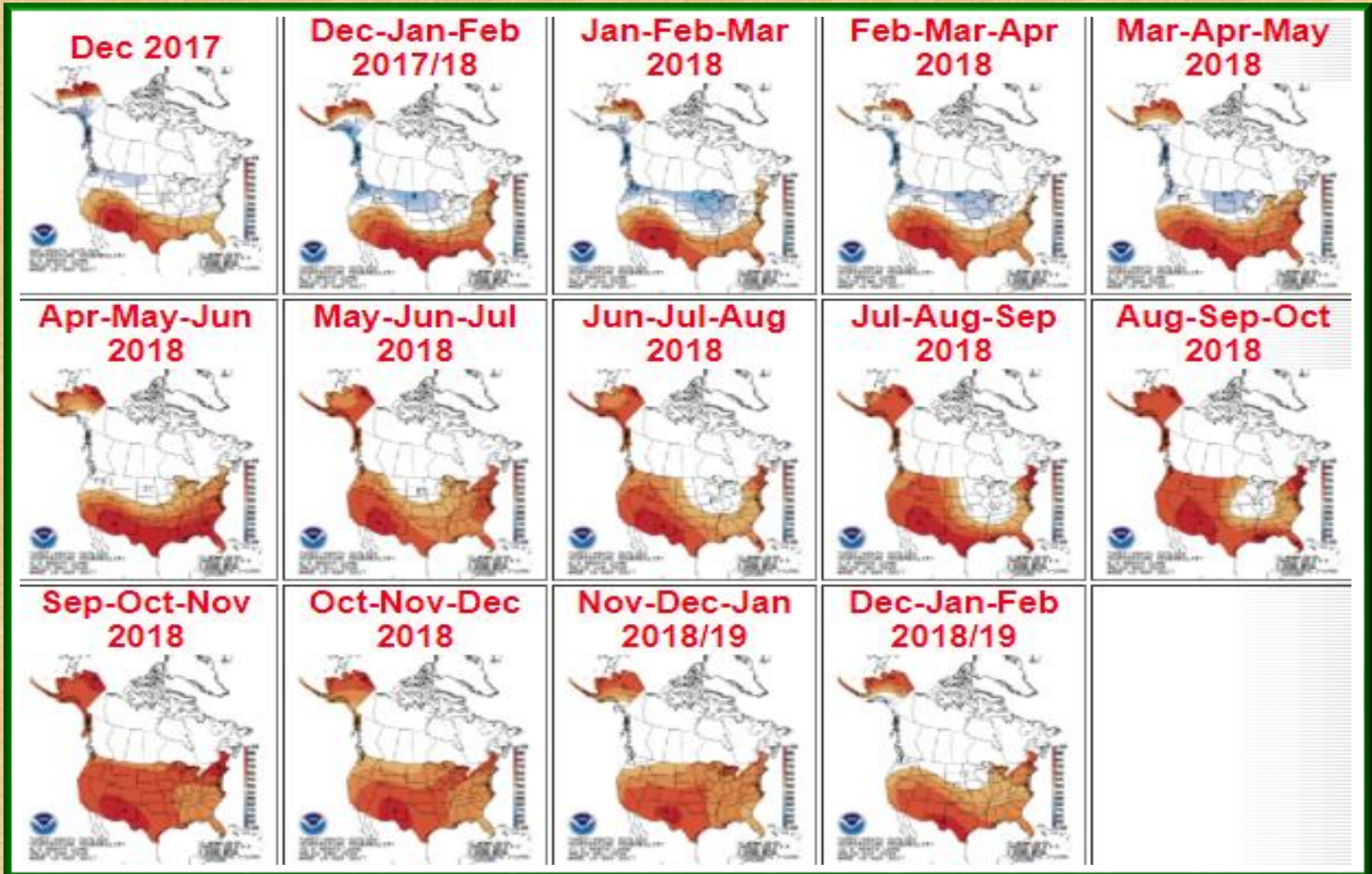
Temperature and precipitation outlook For December-February 2017-2018

Temperature

Precipitation

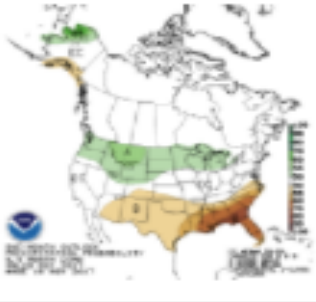


Temperature Outlook Through February 2019

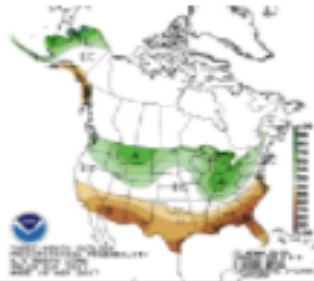


Precipitation Outlook Through February 2019

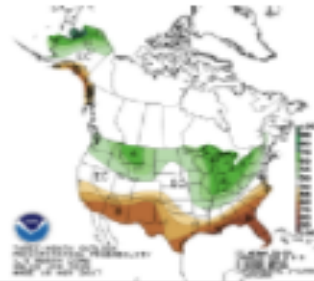
Dec 2017



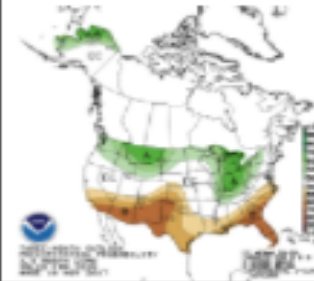
**Dec-Jan-Feb
2017/18**



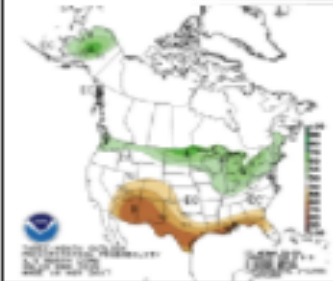
**Jan-Feb-Mar
2018**



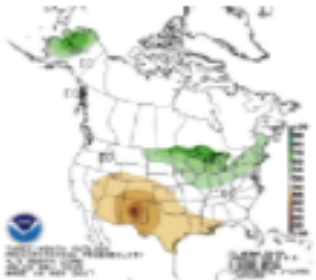
**Feb-Mar-Apr
2018**



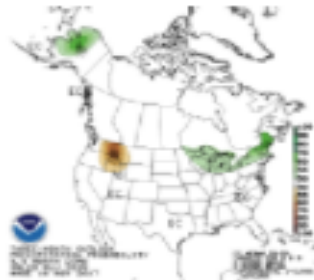
**Mar-Apr-May
2018**



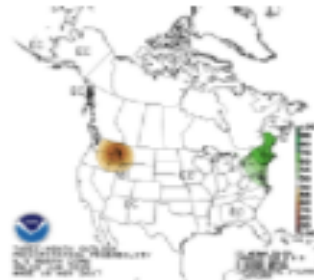
**Apr-May-Jun
2018**



**May-Jun-Jul
2018**



**Jun-Jul-Aug
2018**



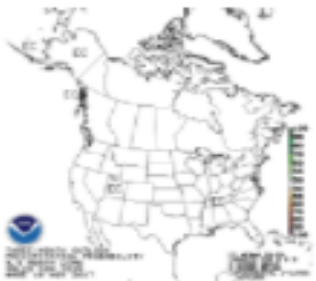
**Jul-Aug-Sep
2018**



**Aug-Sep-Oct
2018**



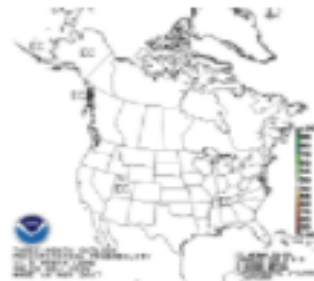
**Sep-Oct-Nov
2018**



**Oct-Nov-Dec
2018**



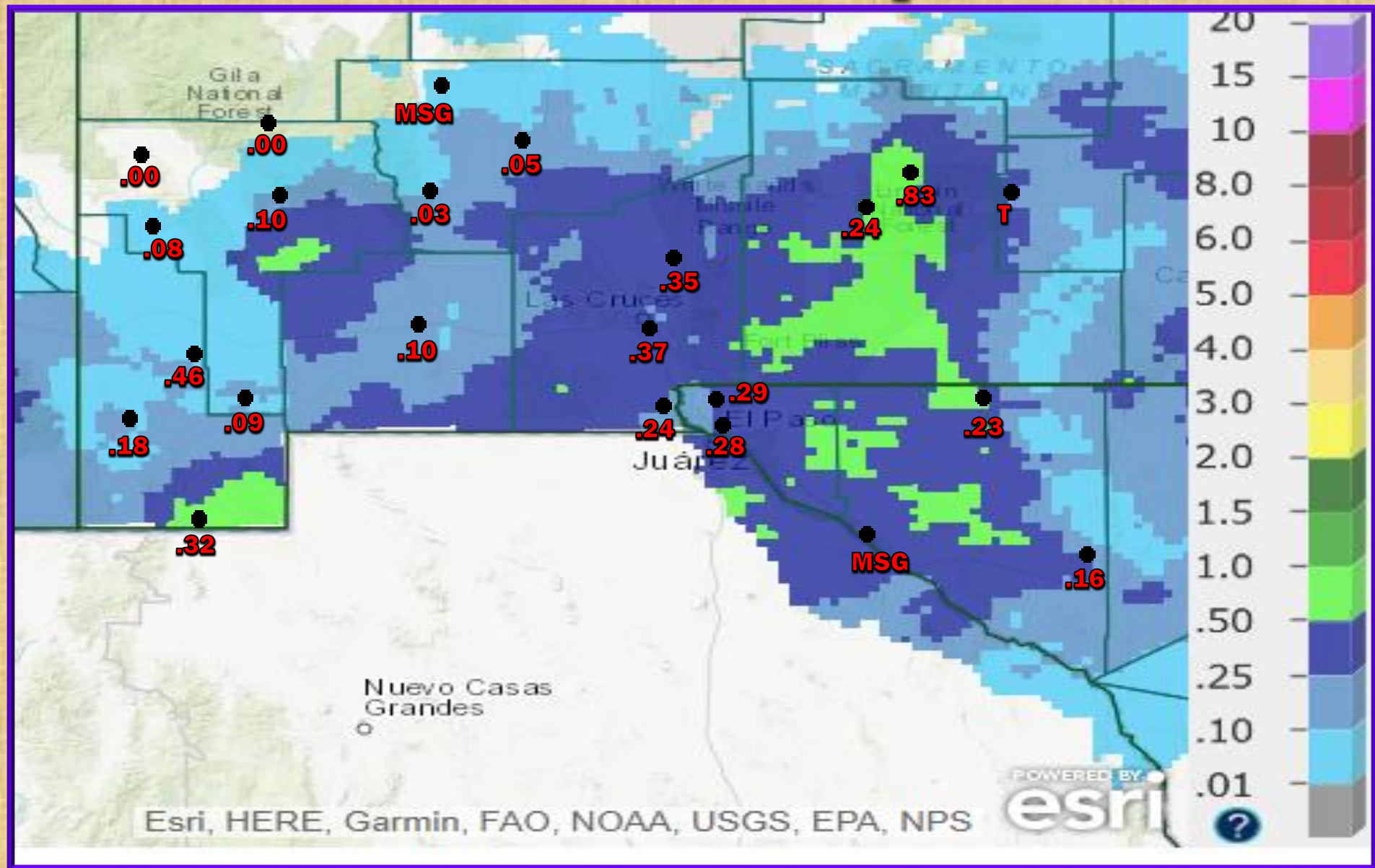
**Nov-Dec-Jan
2018/19**



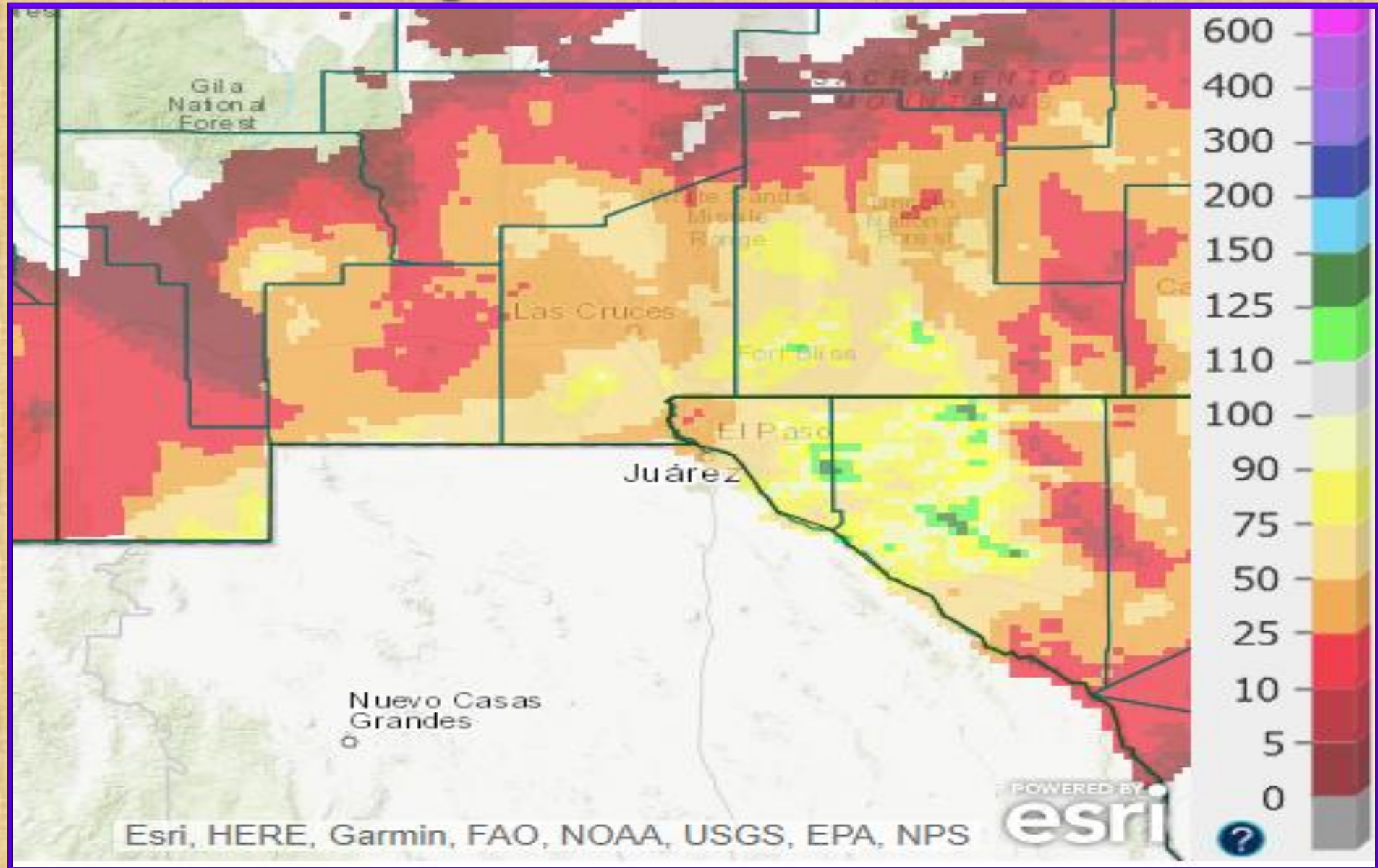
**Dec-Jan-Feb
2018/19**



November 2017 radar rainfall estimate with surface rainfall reports



November 2017 radar rainfall estimate percent of normal



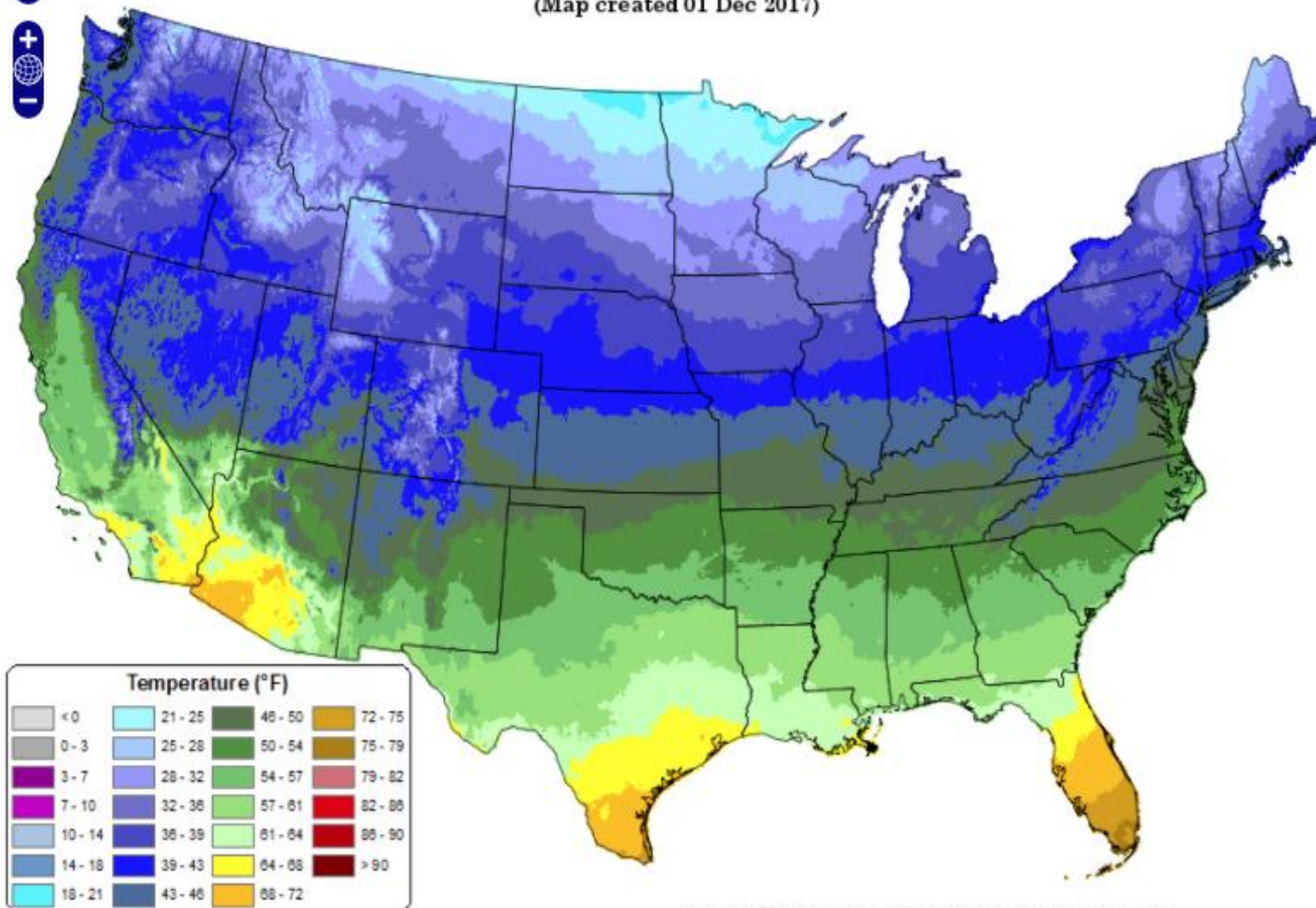
Average Daily Mean Temperature for November 2017



Average Daily Mean Temperature: 01 November 2017 - 30 November 2017

Period ending 7 AM EST 30 Nov 2017

(Map created 01 Dec 2017)

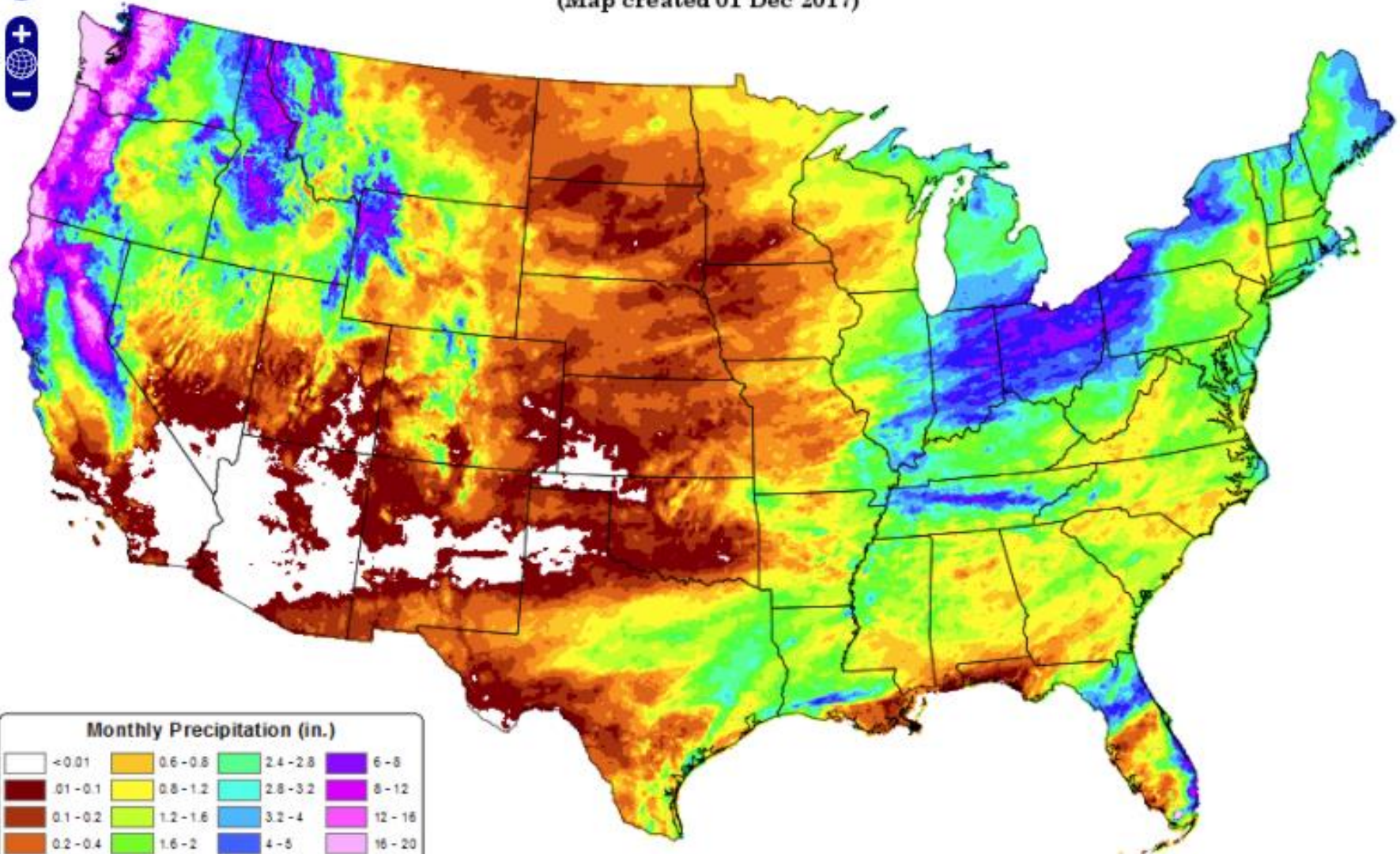


Total Precipitation for November 2017

Total Precipitation: 01 November 2017 - 30 November 2017

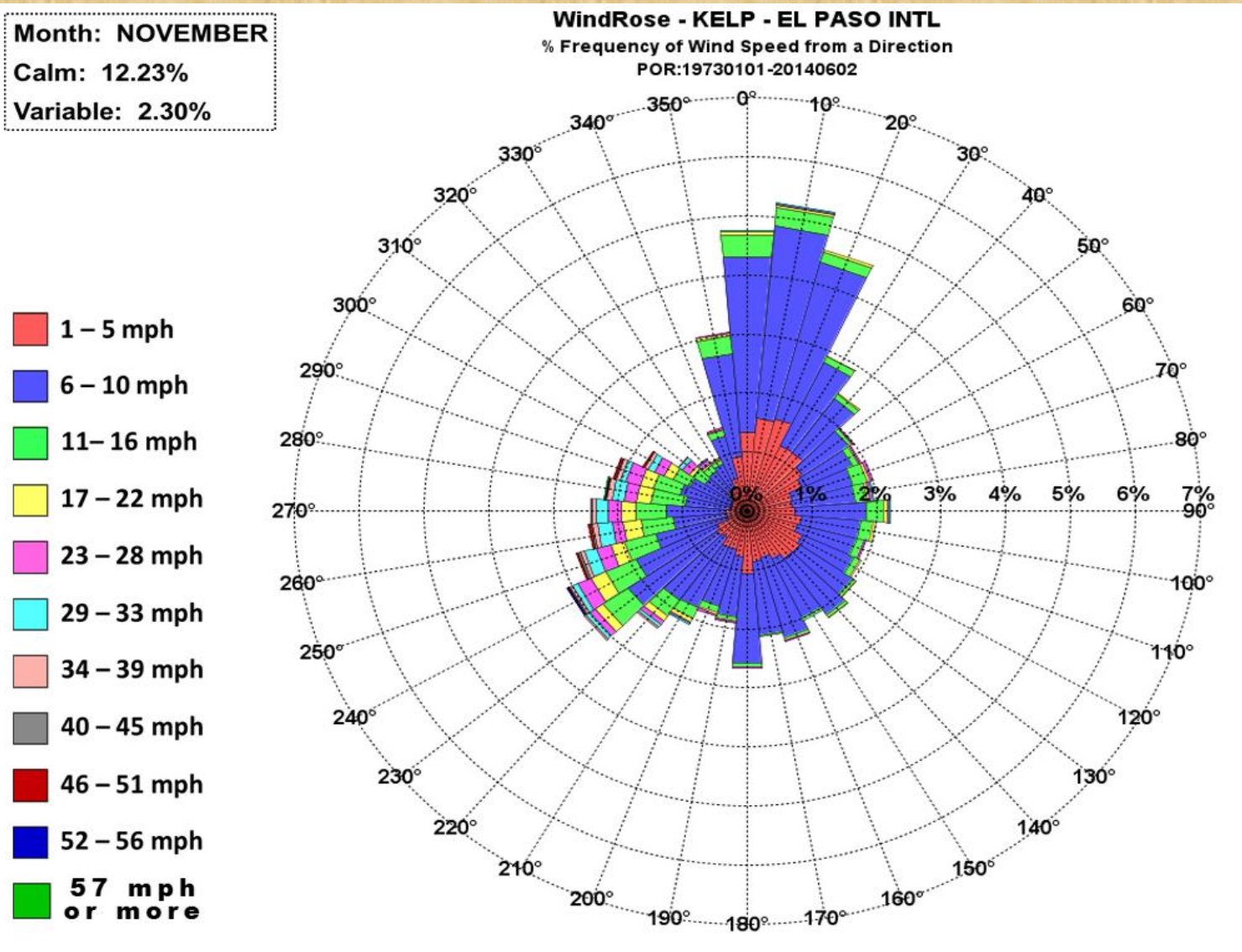
Period ending 7 AM EST 30 Nov 2017

(Map created 01 Dec 2017)



Special Features

<http://www.srh.noaa.gov/epz/?n=elpwindrosedata>





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Photo Credit: John Fausett

Local forecast by "City, St" or ZIP code
 Enter location ...
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Heavy Rain and Flash Flooding Possible Over Parts of the Eastern United States
 Heavy rainfall is expected over portions of the eastern United States through Thursday. Flooding and flash flooding will be possible in some areas. Click the "Read More" link for excessive rainfall forecasts from the Weather Prediction Center. [Read More >](#)

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El Paso, TX
 Weather Forecast Office

Current Hazards Current Conditions Radar Forecasts Rivers and Lakes Climate and Past Weather **Local Programs**

Today

Wednesday
 Warmer with a Few Afternoon Storms

Weather Forecast Office
 El Paso, TX
 September 27, 2016 4:43 PM

Local forecast by "City, St" or ZIP code
 Enter location ...
[Location Help](#)

Heavy rain expected across the Mid-Atlantic region and central Appalachians.
 Heavy rainfall is possible over portions of the eastern United States today, with the highest risk across the Mid-Atlantic and central Appalachians. Click the "Read More" link for excessive rainfall forecasts from the Weather Prediction Center. Afternoon showers and thunderstorms are possible over portions of the Southwest and southern Rockies through Friday. [Read More >](#)

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El Paso, TX
 Weather Forecast Office

Current Hazards Current Conditions Radar Forecasts Rivers and Lakes Climate and Past Weather **Local Programs**

Southern New Mexico and Far West Texas has a variety of weather from month to month. Conditions can range from extreme drought, to heavy flooding rains, from record breaking heat to bone chilling cold. Below you will find past weather highlights from the area that the NWS office in Santa Teresa NM covers. This area includes the following counties in New Mexico: Hudspeth, Grant, Luna, Sierra, Doña Ana and Otero and the following counties in Texas: El Paso and Hudspeth.

WEATHER DIGESTS AND BULLETINS	
Weather Digest	Southwest Weather Bulletins
January	2005 Spring Fall
February	2006 Spring Fall
March	2007 Spring Fall
April	2008 Spring Fall
May	2009 Spring Fall
June	2010 Spring Fall
July	2011 Spring Fall
August	2012 Spring Fall
September	2013 Spring Fall
October	2014 Spring Fall
November	
December	

Don't Forget-Current and past issues of our Weather Digest are available on our website at <http://www.weather.gov/epz/>

Just click on "Local Programs>Weather Digest", then choose which month's Digest to view. Also, though discontinued, don't forget to check out our back issues of Southwest Weather Bulletin.

weather.gov/epz

AUTUMNAL SKIES OVER THE BORDERLAND

