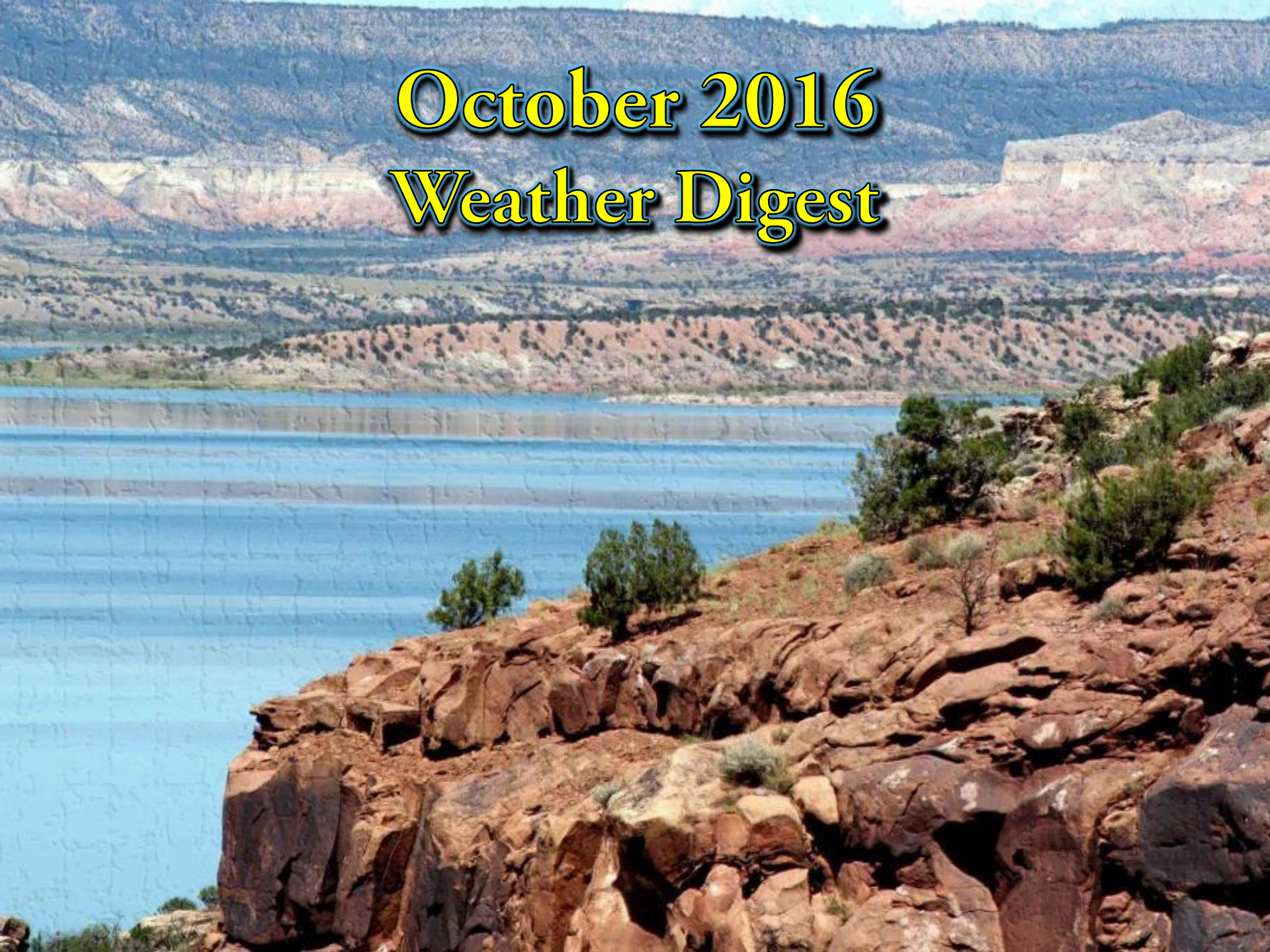


# October 2016 Weather Digest





# October 2016 Weather Summary

Very warm and very dry is about the only way to describe this October. A prolonged upper ridge over the Desert Southwest led to ample sunshine most of the month, and also forced any weather systems further north over the central U.S. Average temperatures for the month ranged from about 4 to 6 degrees above normal. At El Paso International Airport, the all time record for highest average monthly temperature was recorded. Additionally, for only the fourth time in 138 years, the airport recorded zero rainfall for the month.

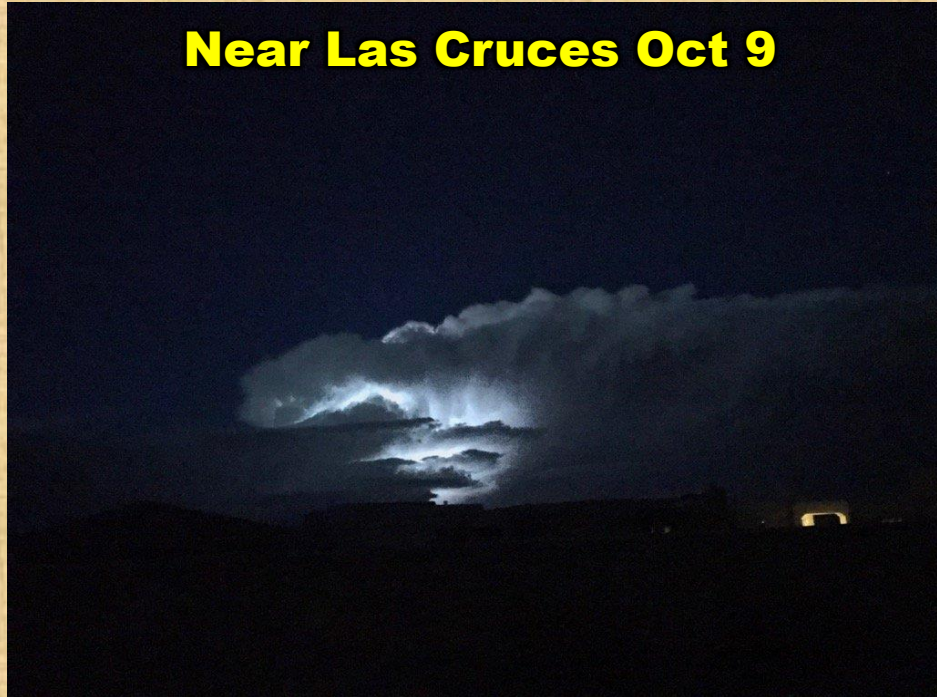
The precipitation map shows the majority of the area was considerably below normal. Thanks to strong west flow and a disturbance aloft on the 9<sup>th</sup> and 10<sup>th</sup>, a large streak of well above normal rainfall took place across central Sierra County. Thunderstorms in this area dumped one to two inches of rain. Several lesser roads experienced flooding, and several large hail sightings were reported. Much of Hudspeth County experienced good rainfall and ended up slightly above normal from the same pattern.



**Sierra County Oct 9**



**Near Las Cruces Oct 9**



**Borderland Sunsets October**



**Elephant Butte Lake October**





# How Warm and Dry Was October?

October 2016 Stats

El Paso International Airport

Weather Forecast Office  
El Paso, TX  
October 31, 2016 11:30 PM



**Warmest October**  
Avg. Temperature:

**71.3°F**

Coldest October  
Avg. Temperature: 58.5°F  
Year: 1976  
Mean Avg. Temp: 64.8°F

**Driest October**  
Rainfall:

**0.00"**

Other Octobers with no rain:

**1882**

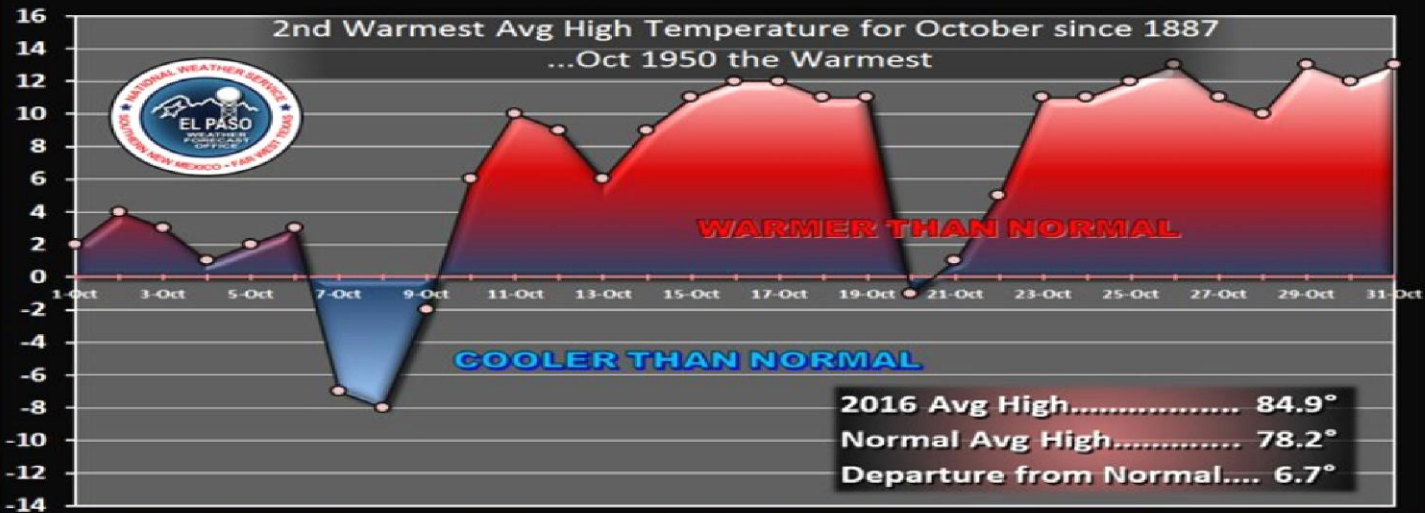
**1903**

**1952**

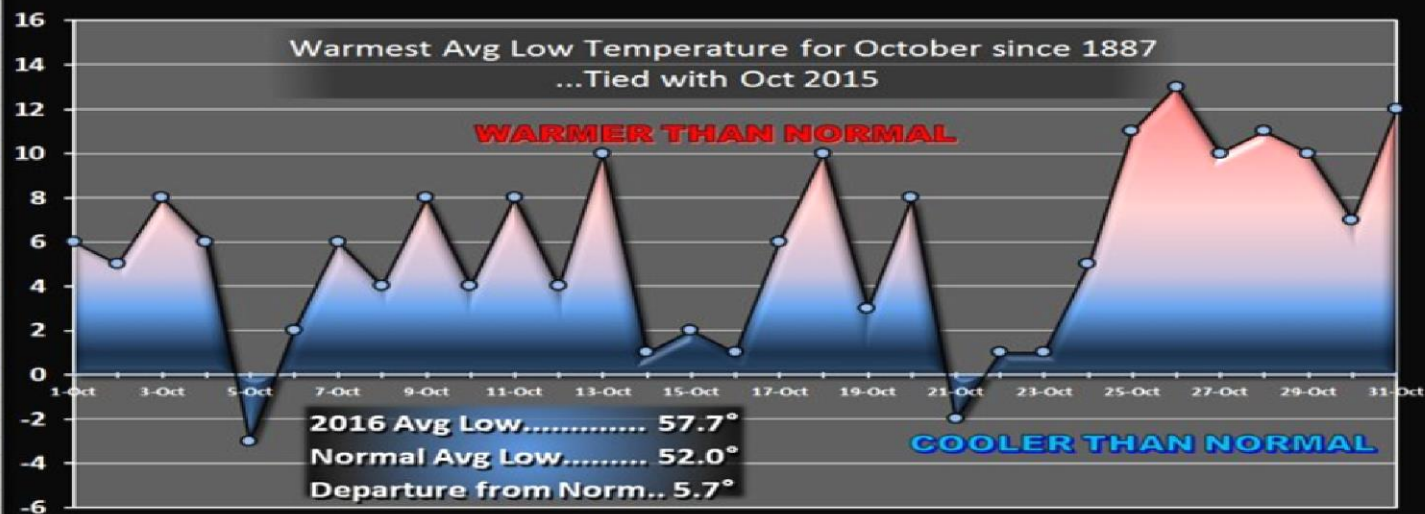


# Again...How Warm Was October?

## El Paso, TX - October 2016 Daily High Departure from Normal



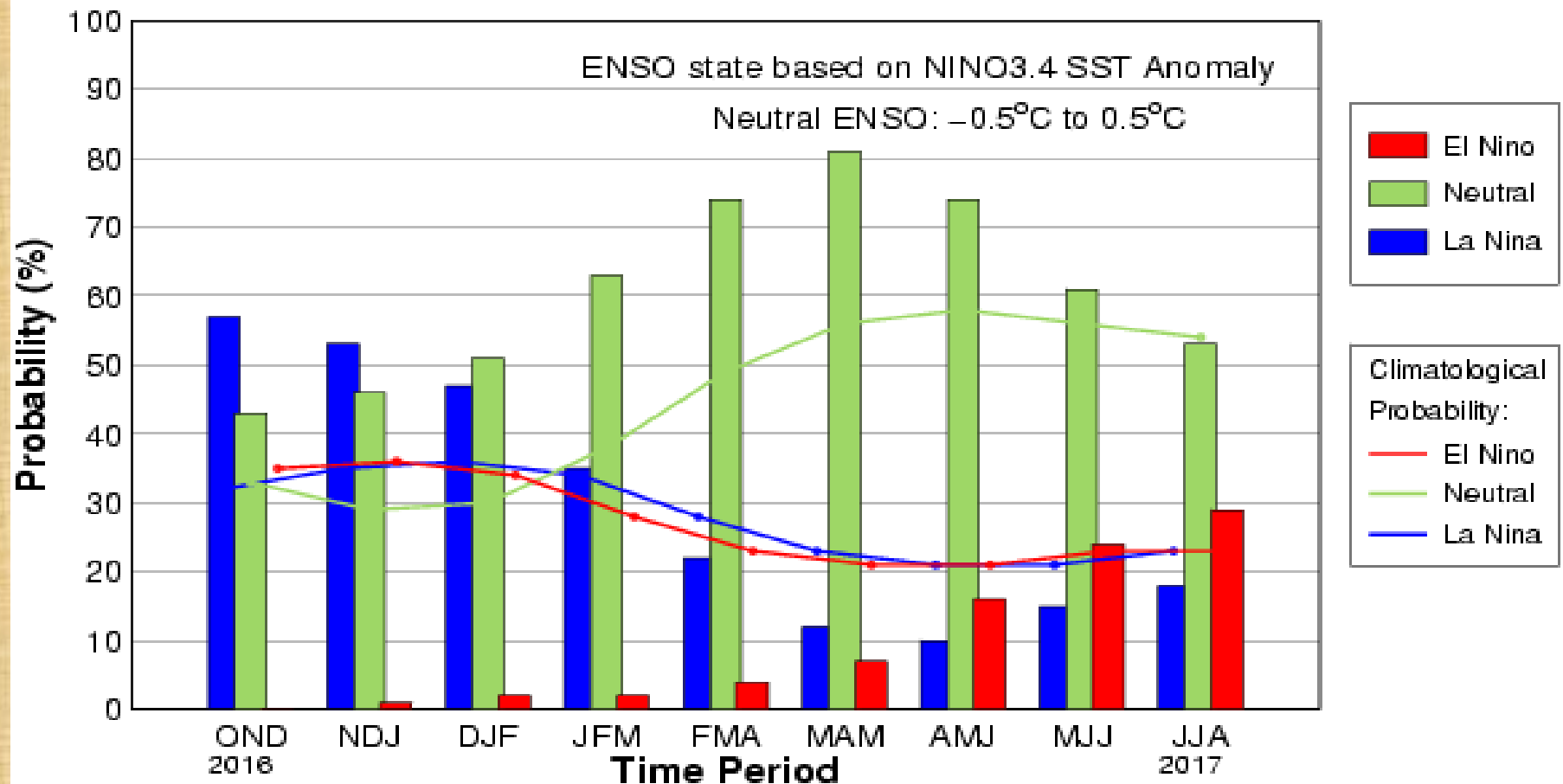
## El Paso, TX - October 2016 Daily Low Departure from Normal



# ENSO Forecast from October through the summer of 2017

ENSO IS NOW APPROACHING A **WEAK LA NIÑA** EPISODE FOR THE  
BEGINNING OF WINTER; THEN REVERTING BACK TO **NEUTRAL** BY LATE WINTER

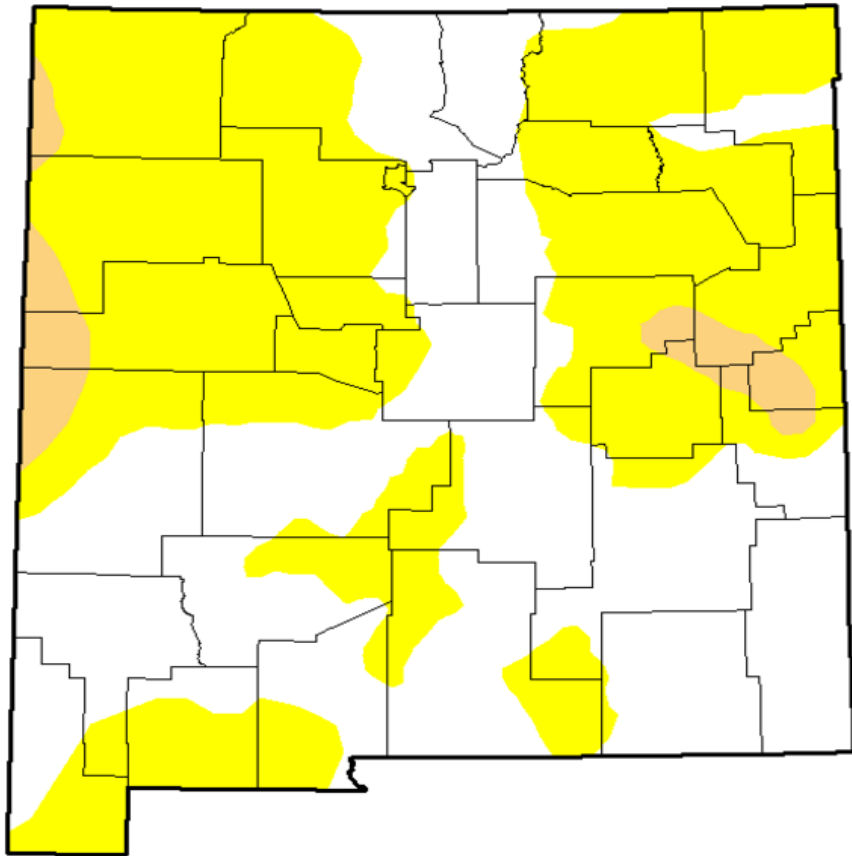
Mid-Oct IR/CPC Model-Based Probabilistic ENSO Forecast



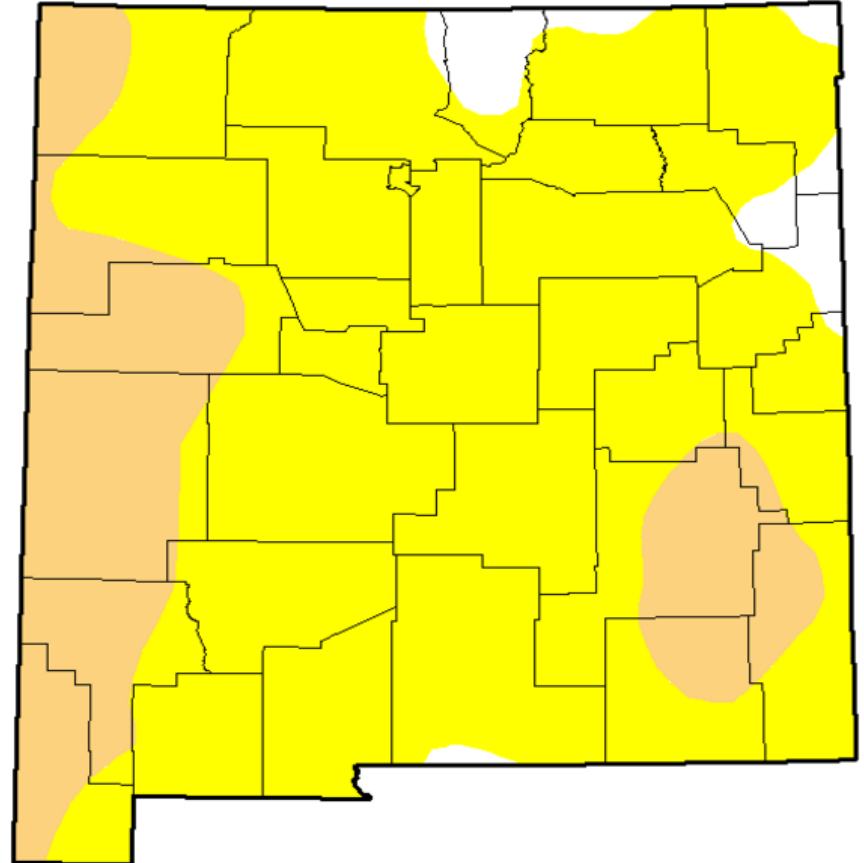
# Current drought conditions for New Mexico and 3 month change

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

**October 18, 2016**








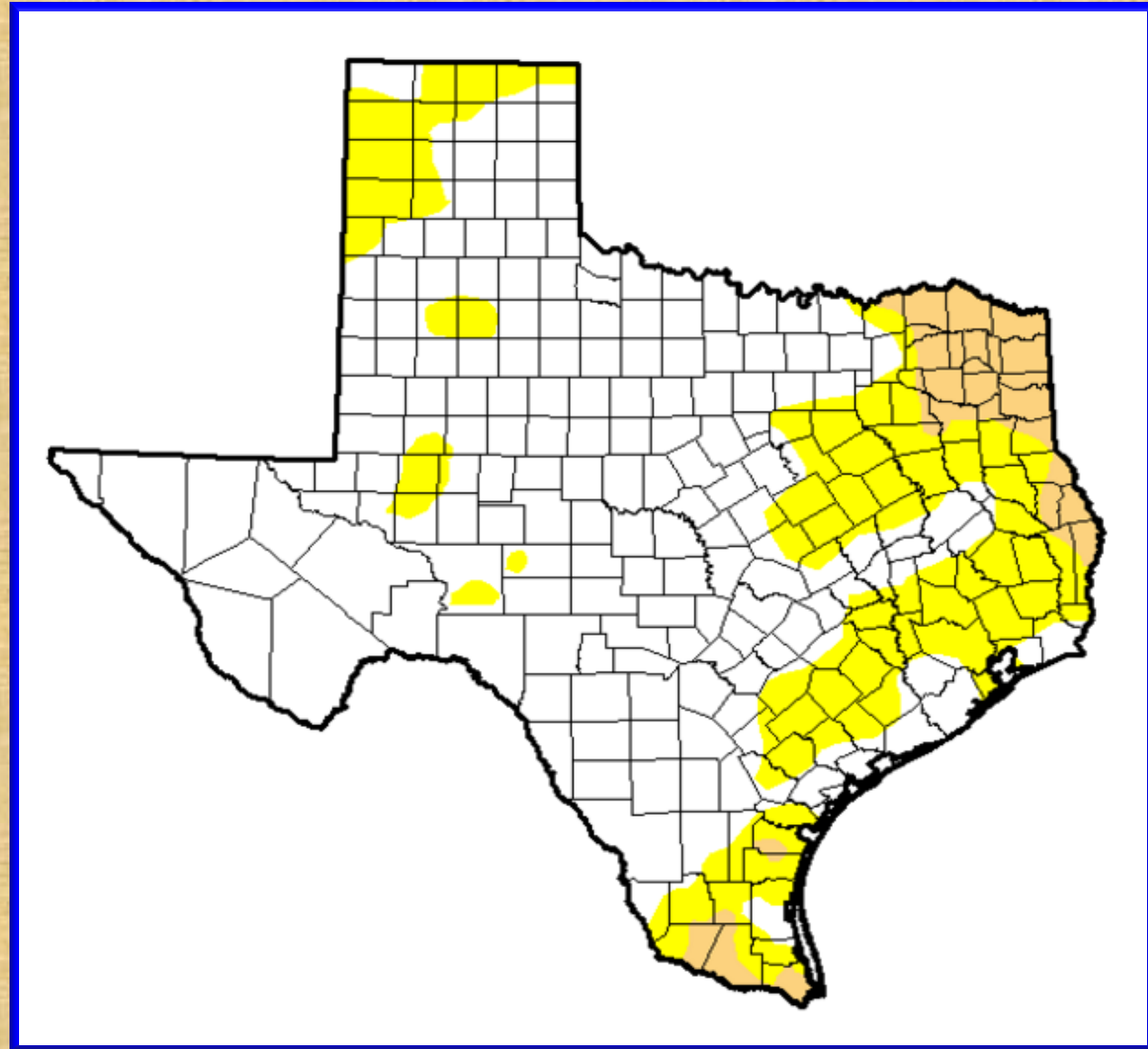
**July 26, 2016**



## ENSO Current drought conditions for Texas as of October 18, 2016

Intensity:

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



**Build your own custom slider maps here at:**

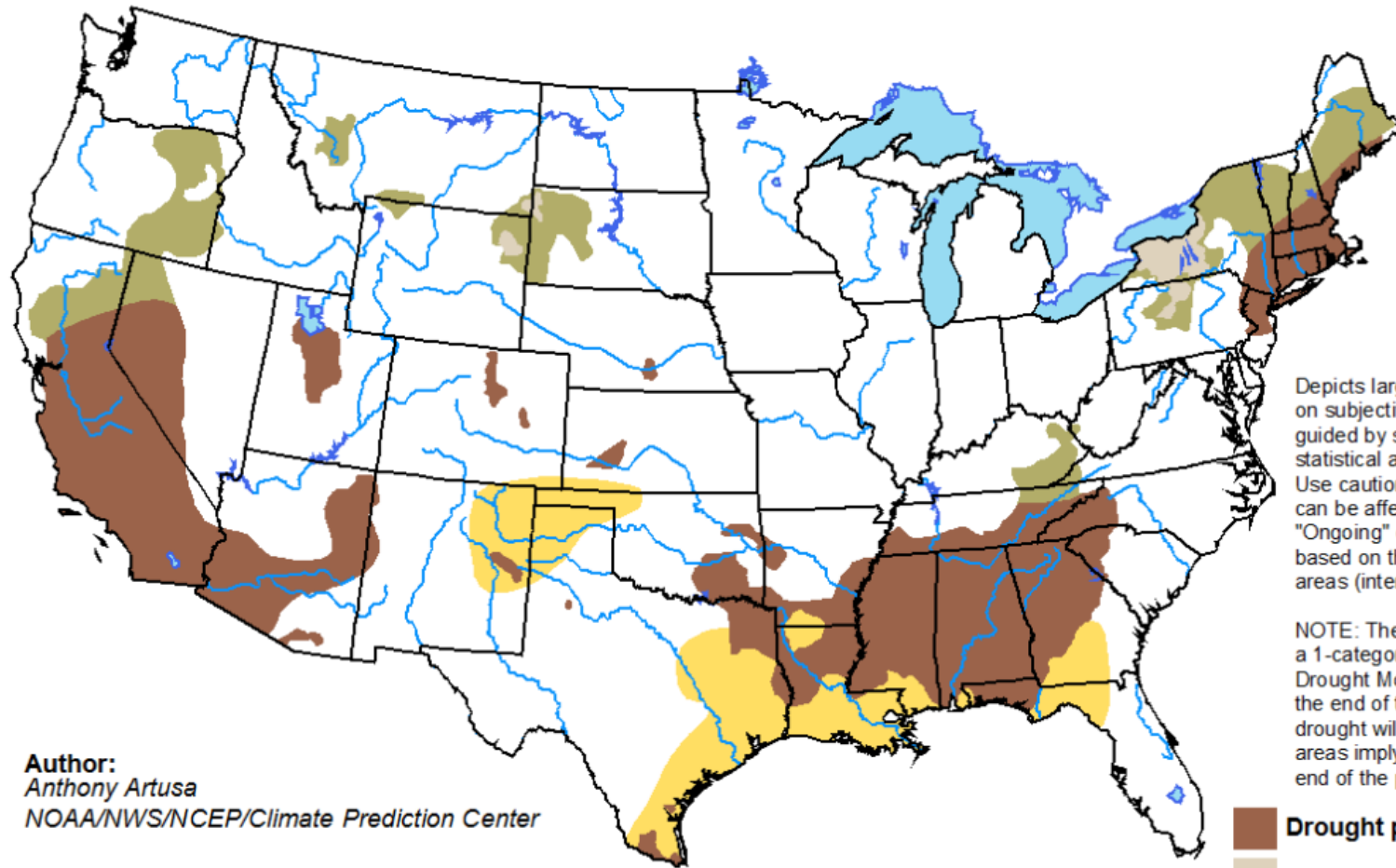
**<http://droughtmonitor.unl.edu/MapsandData/ComparisonSlider.aspx>**



# U.S. Seasonal Drought Outlook

## Drought Tendency During the Valid Period





Valid for October 20 - January 31, 2017  
Released October 20, 2016

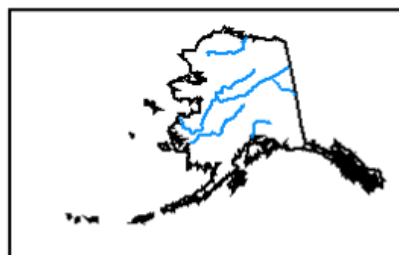


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels 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



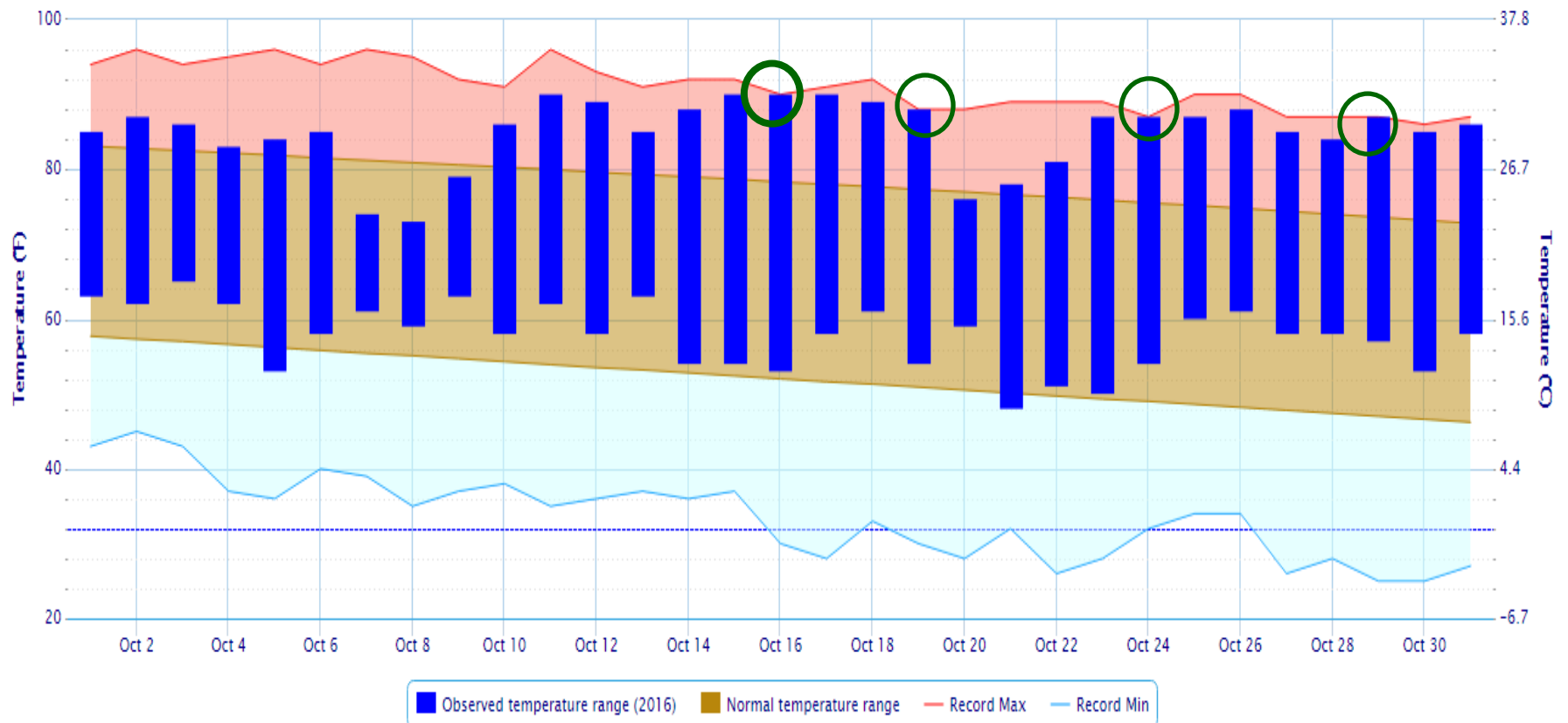
<http://go.usa.gov/3eZ73>

# Daily temperature data for October 2016 in El Paso

○ = record

Daily Temperature Data - El Paso Area, TX (ThreadEx)

Period of Record - Max temperature: 1887-01-01 to 2016-11-05; Min temperature: 1879-01-01 to 2016-11-05. Normals period: 1981-2010. Click and drag to zoom chart.

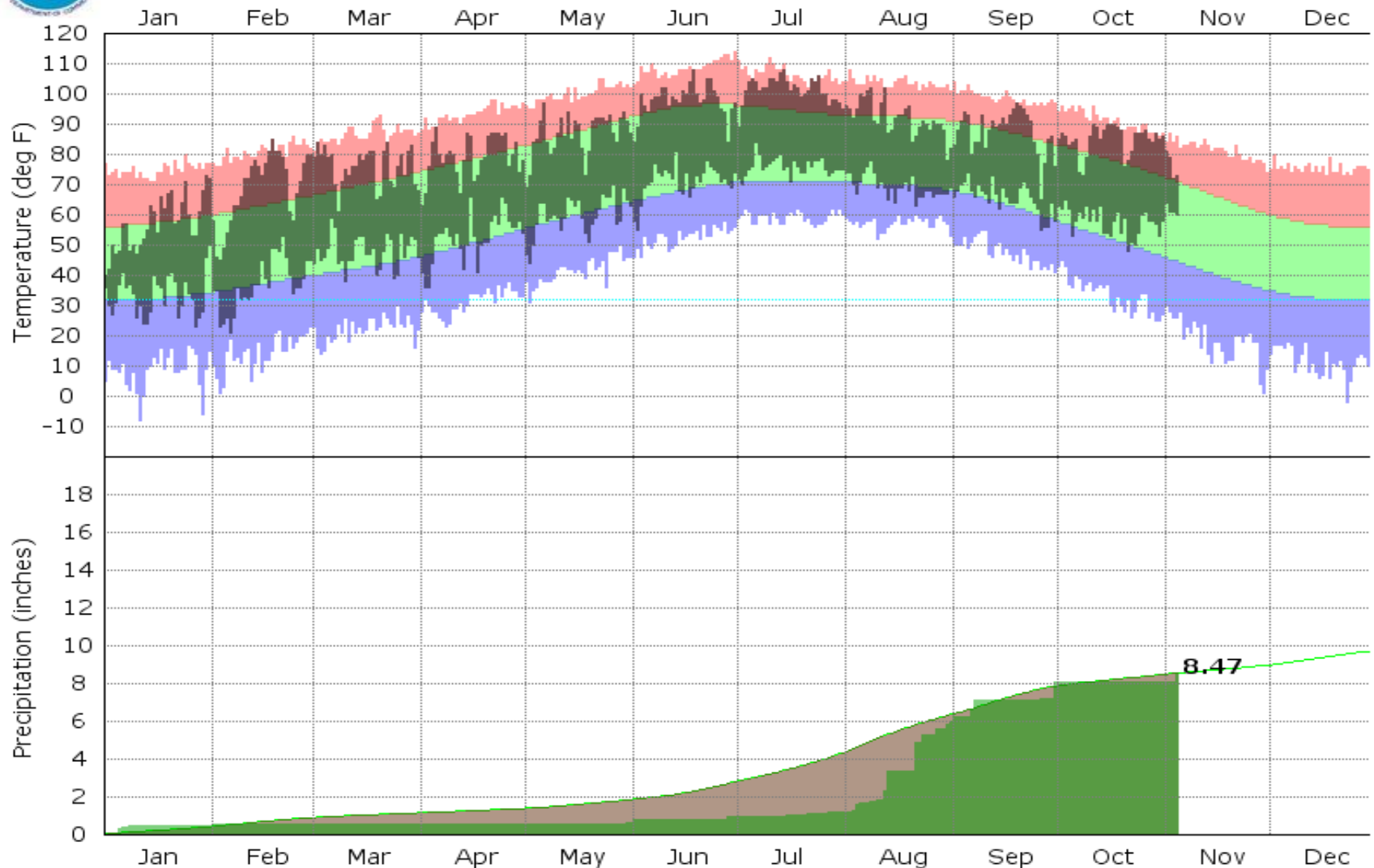




# Daily temperature/precipitation data YTD through October in El Paso

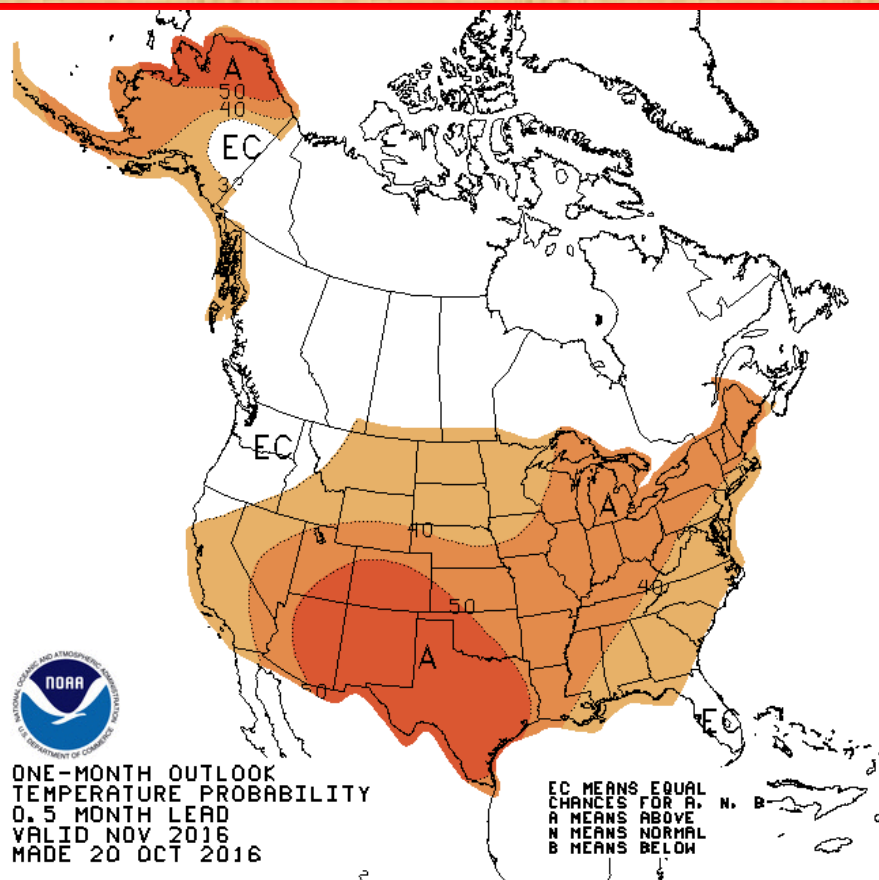


## El Paso TX - 2016

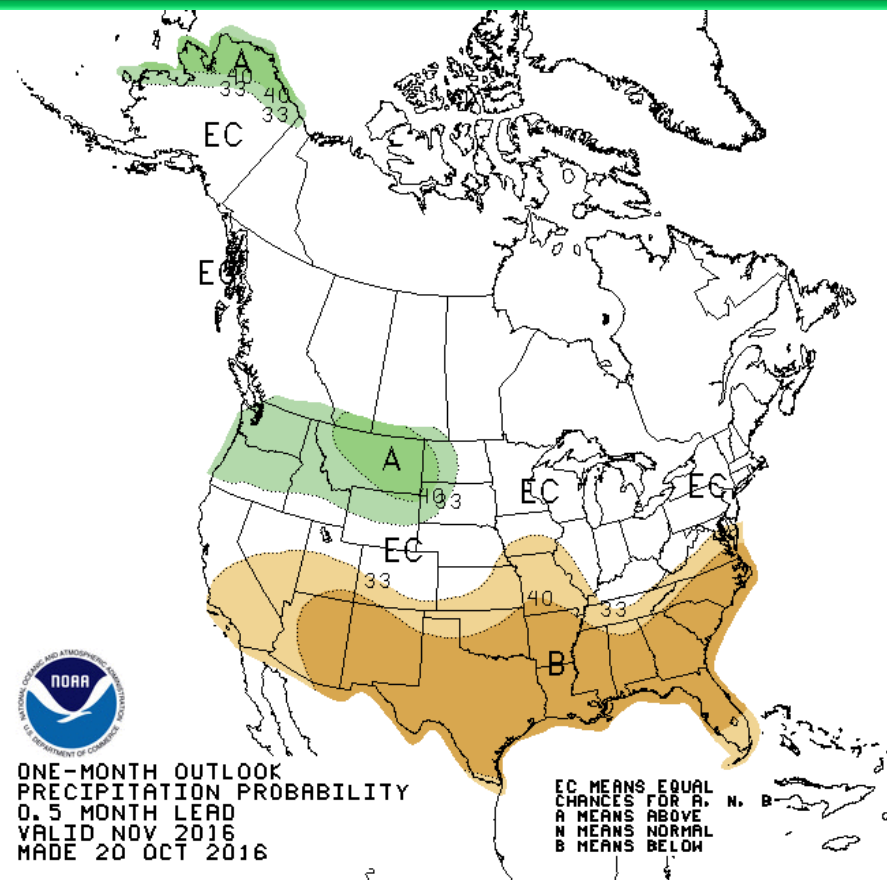


# Temperature and precipitation outlook for November 2016

## Temperature



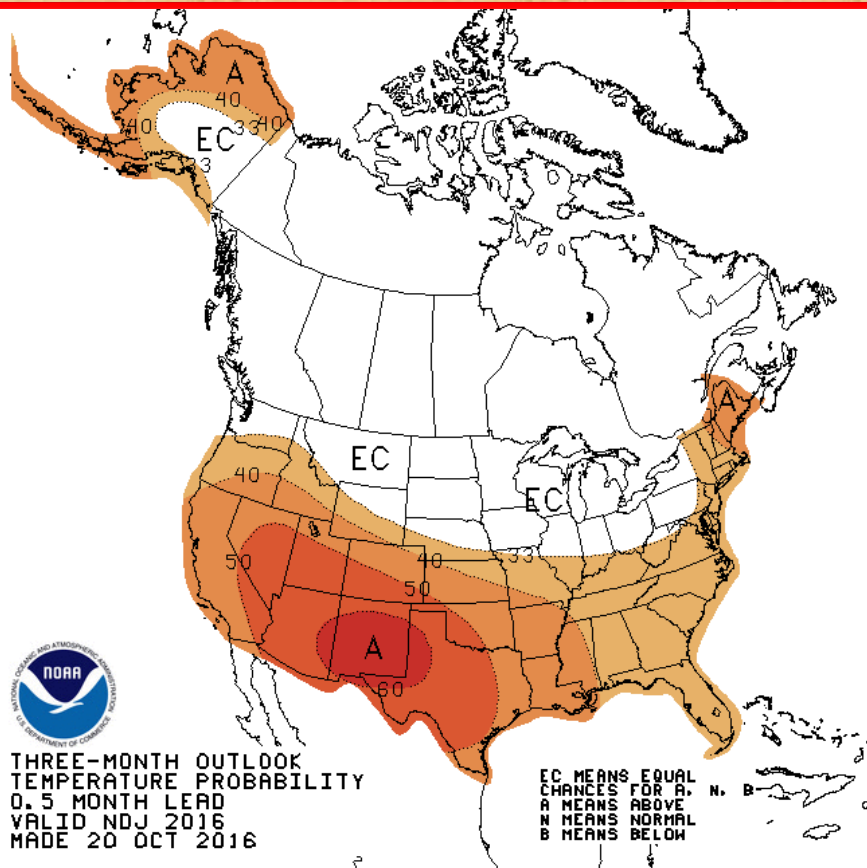
## Precipitation



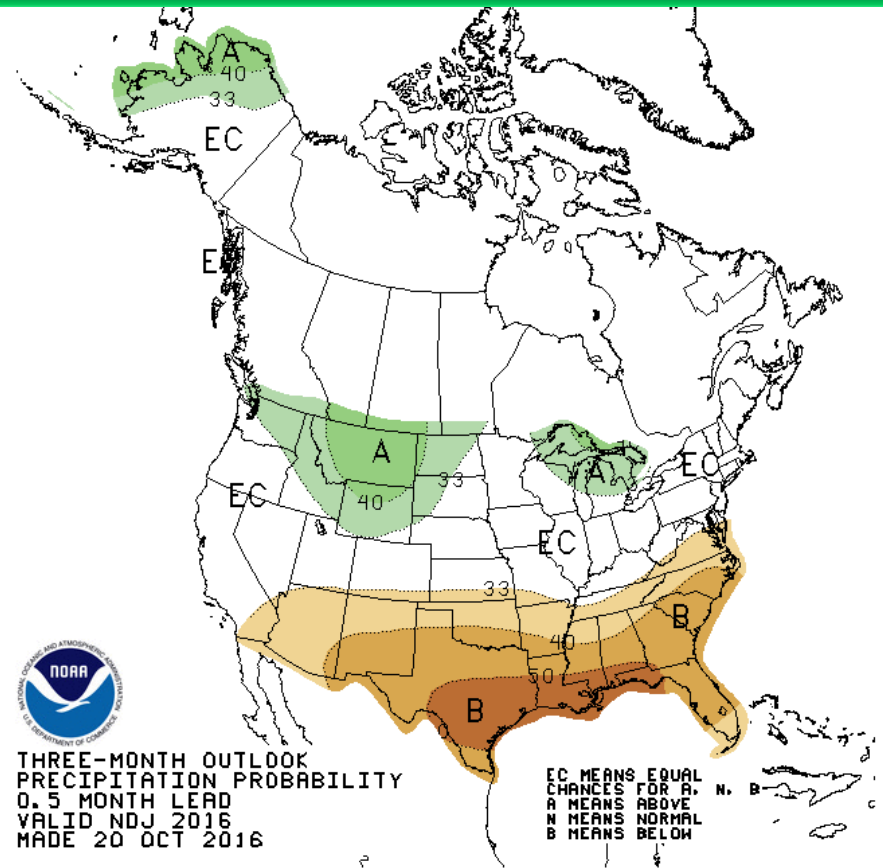


# Temperature and precipitation outlook For Nov – Jan 2016

## Temperature

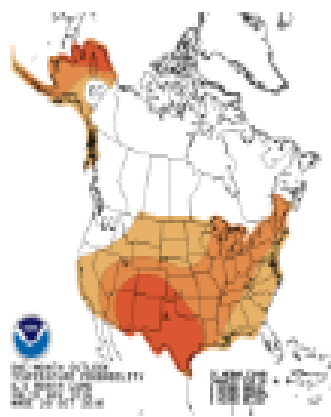


## Precipitation

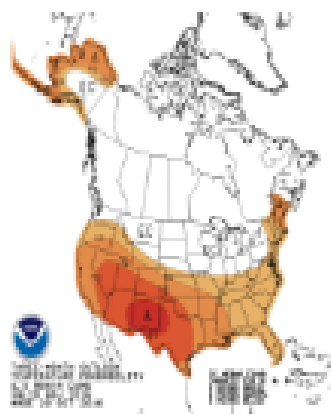


# Temperature Outlook Through September 2017

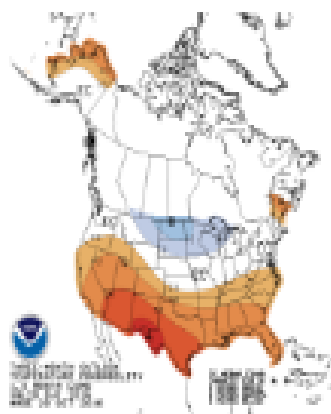
**Nov 2016**



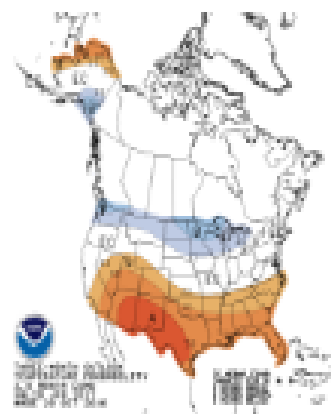
**Nov-Dec-Jan  
2016/17**



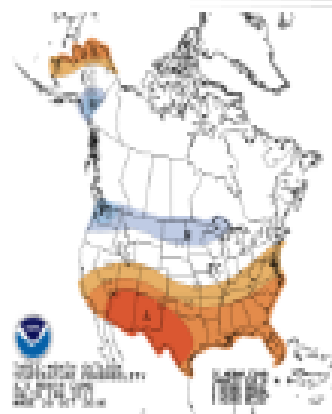
**Dec-Jan-Feb  
2016/17**



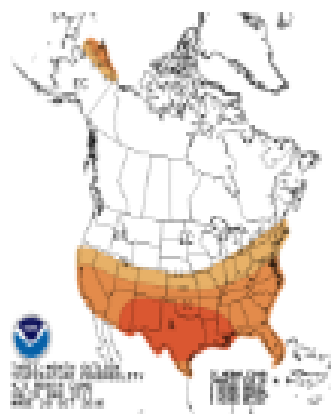
**Jan-Feb-Mar  
2017**



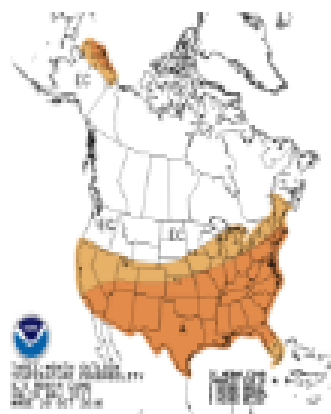
**Feb-Mar-Apr  
2017**



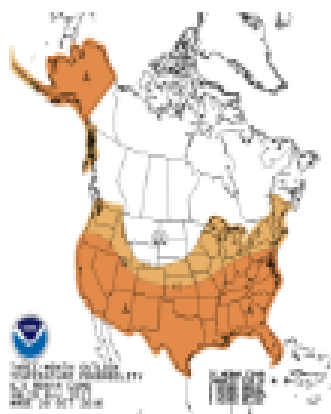
**Mar-Apr-May  
2017**



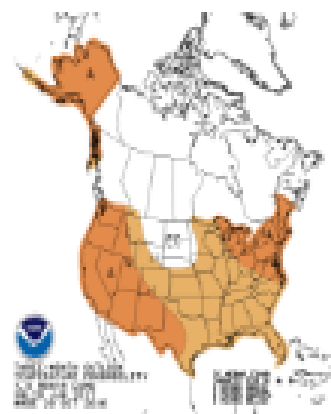
**Apr-May-Jun  
2017**



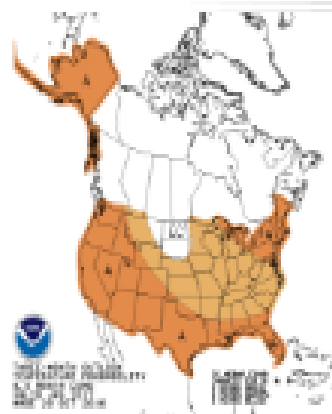
**May-Jun-Jul  
2017**



**Jun-Jul-Aug  
2017**



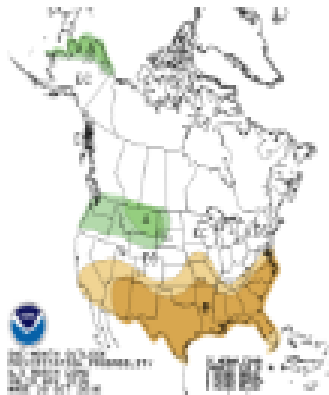
**Jul-Aug-Sep  
2017**



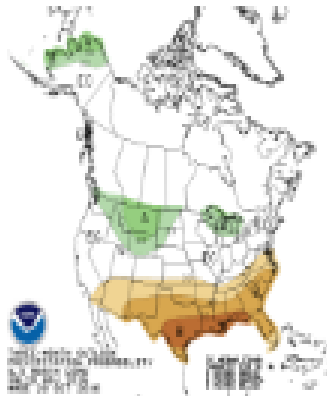


# Precipitation Outlook Through September 2017

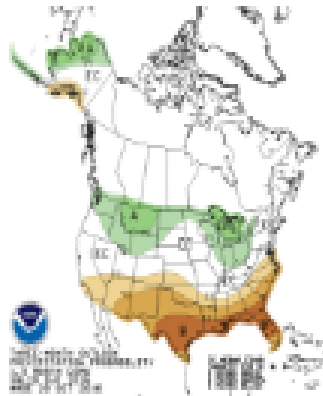
**Nov 2016**



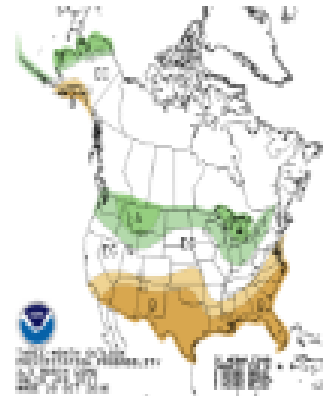
**Nov-Dec-Jan  
2016/17**



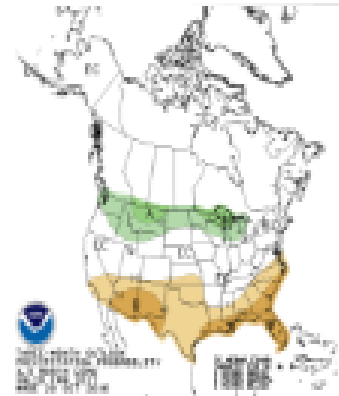
**Dec-Jan-Feb  
2016/17**



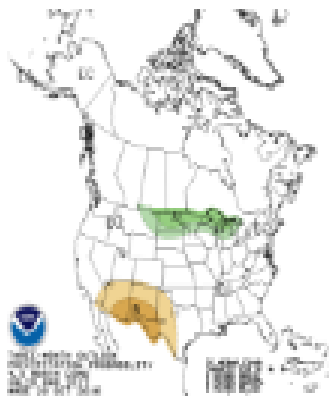
**Jan-Feb-Mar  
2017**



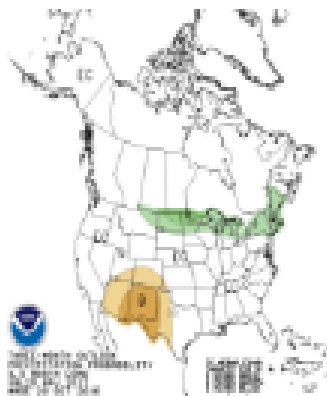
**Feb-Mar-Apr  
2017**



**Mar-Apr-May  
2017**



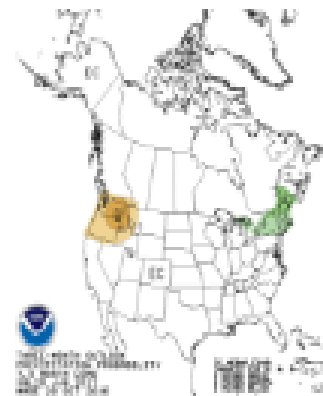
**Apr-May-Jun  
2017**



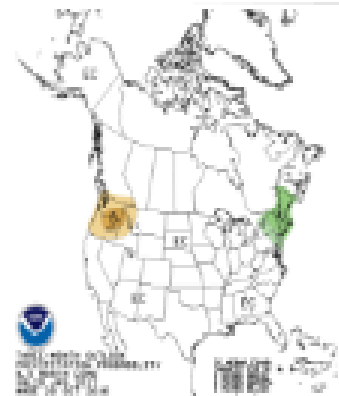
**May-Jun-Jul  
2017**



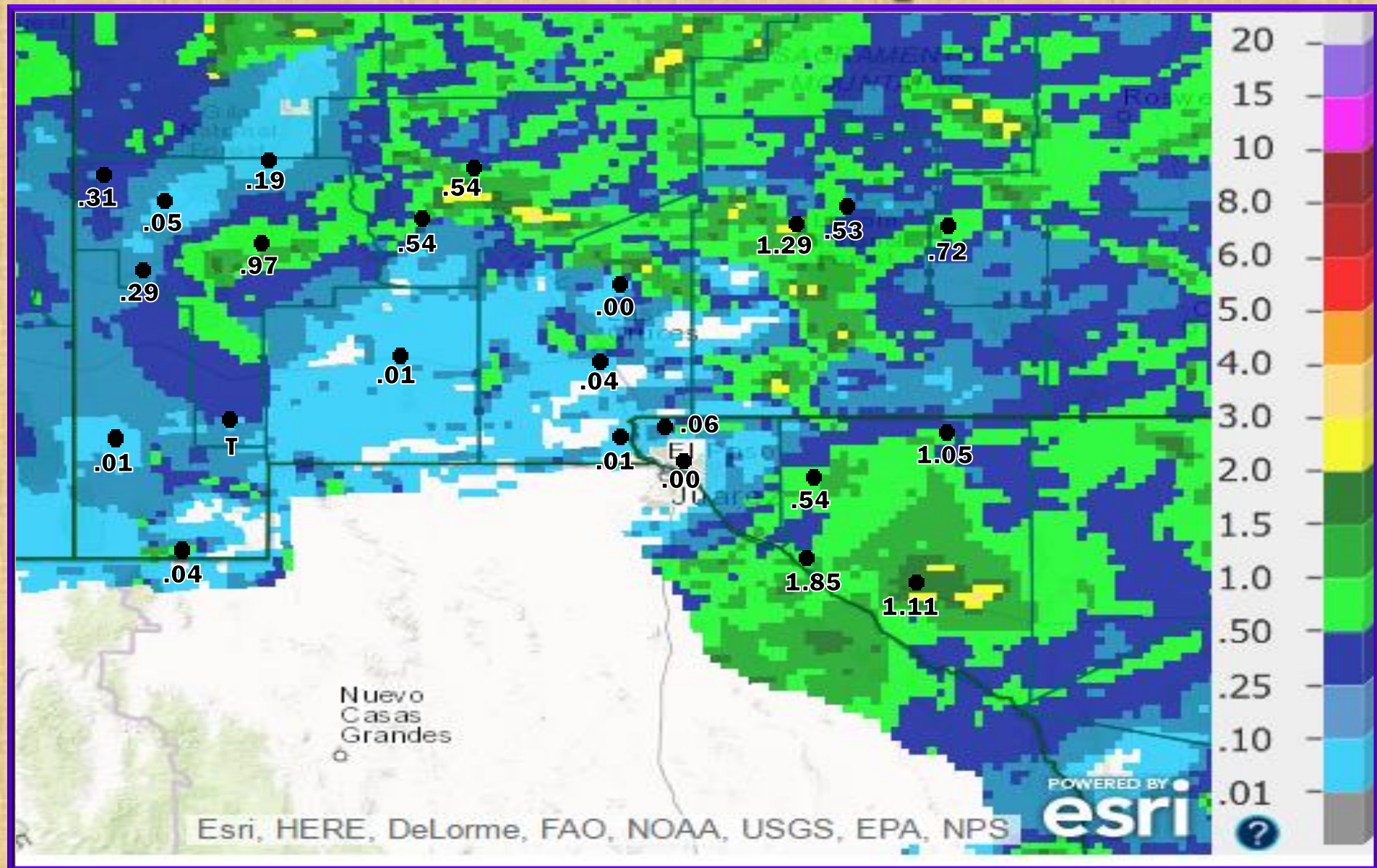
**Jun-Jul-Aug  
2017**



**Jul-Aug-Sep  
2017**

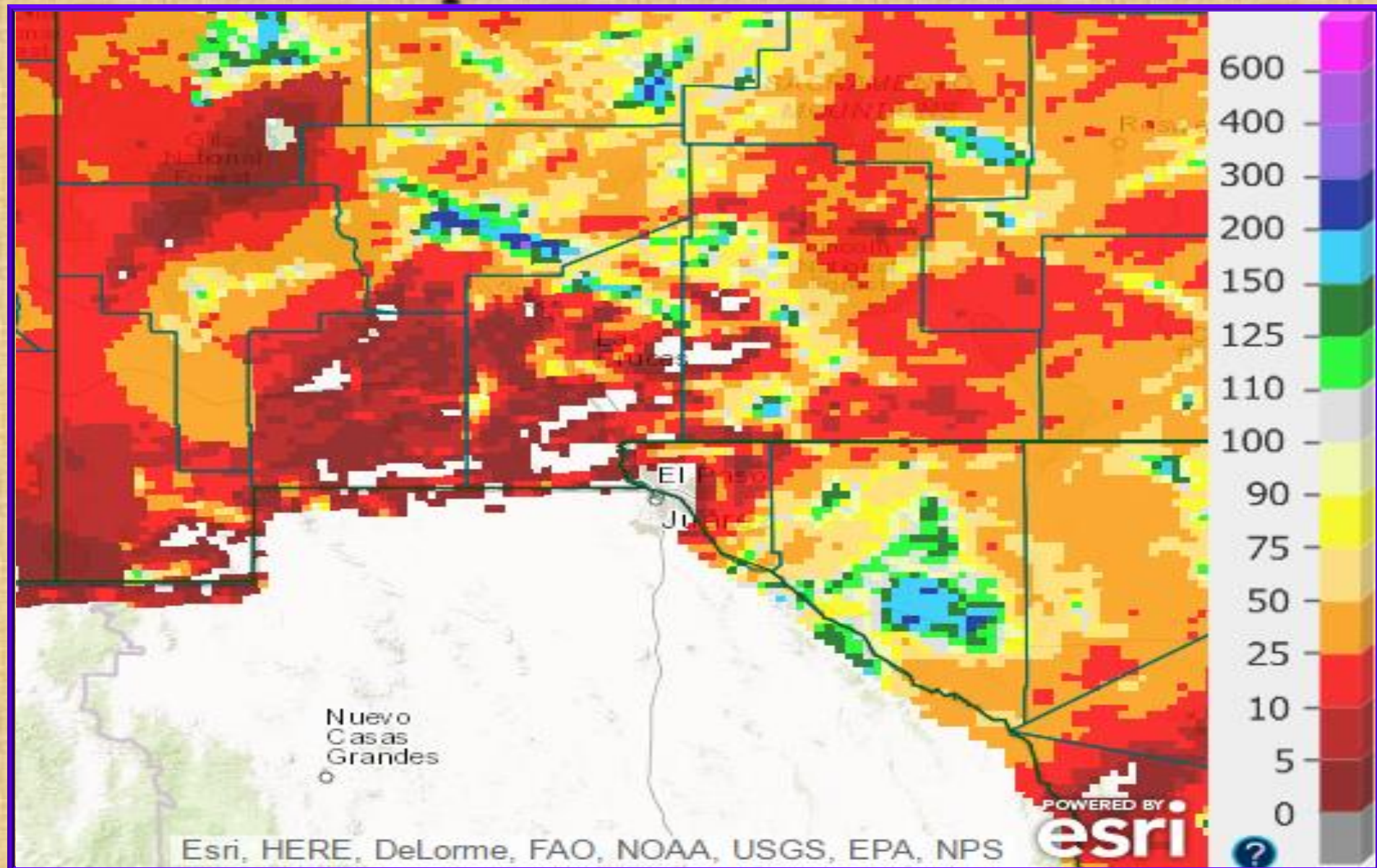


# October 2016 radar rainfall estimate with surface rainfall reports





# October 2016 radar rainfall estimate percent of normal



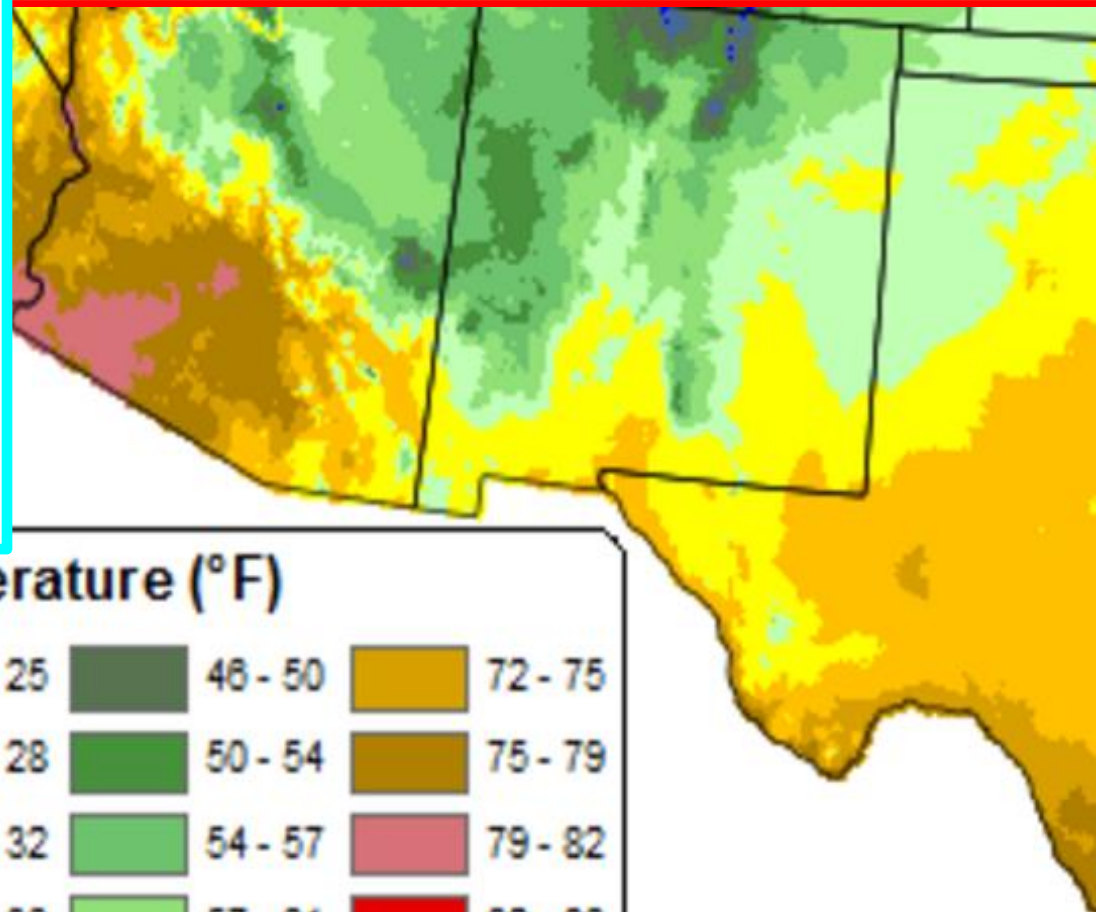
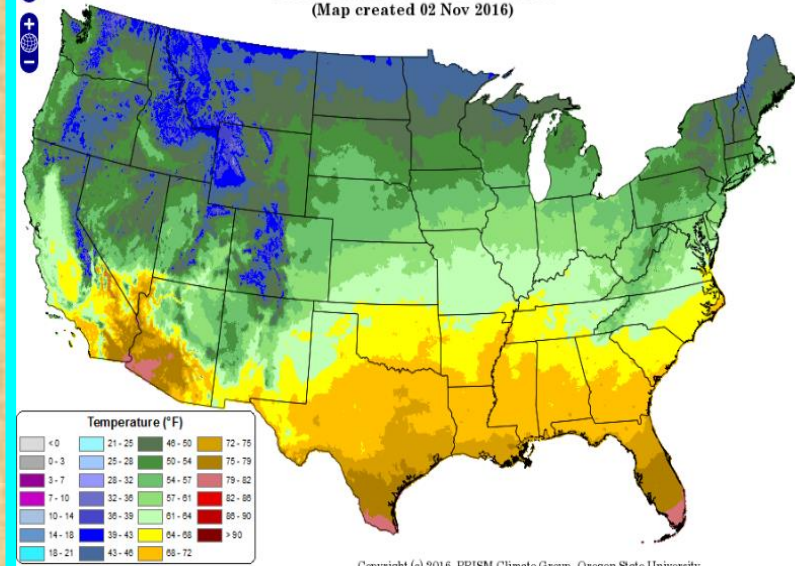


# Average Daily Mean Temperature for OCTOBER 2016

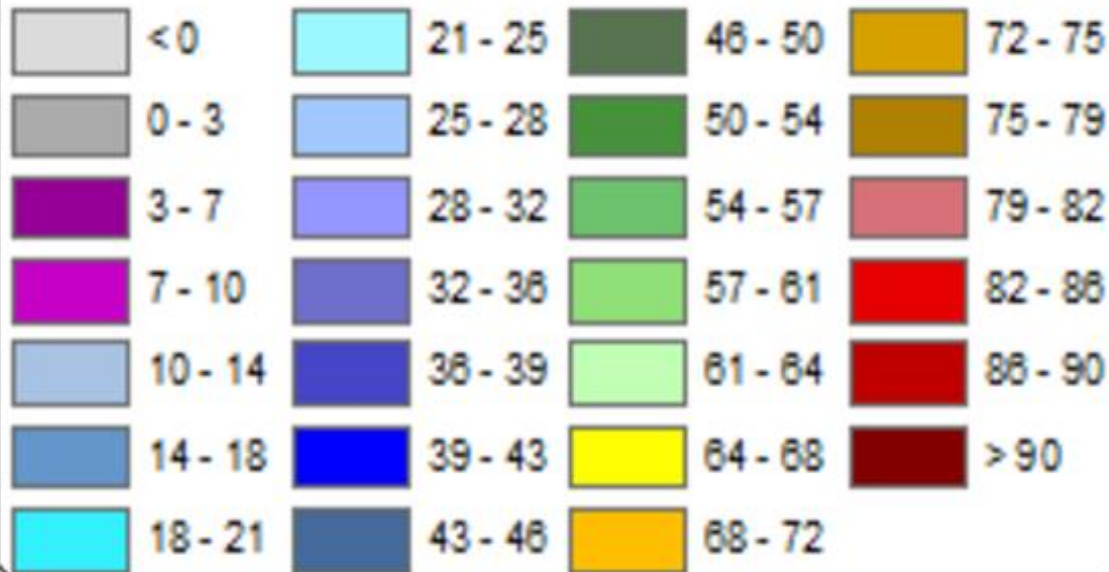
Average Daily Mean Temperature: October 2016

Period ending 7 AM EST 31 Oct 2016

(Map created 02 Nov 2016)



Temperature (°F)

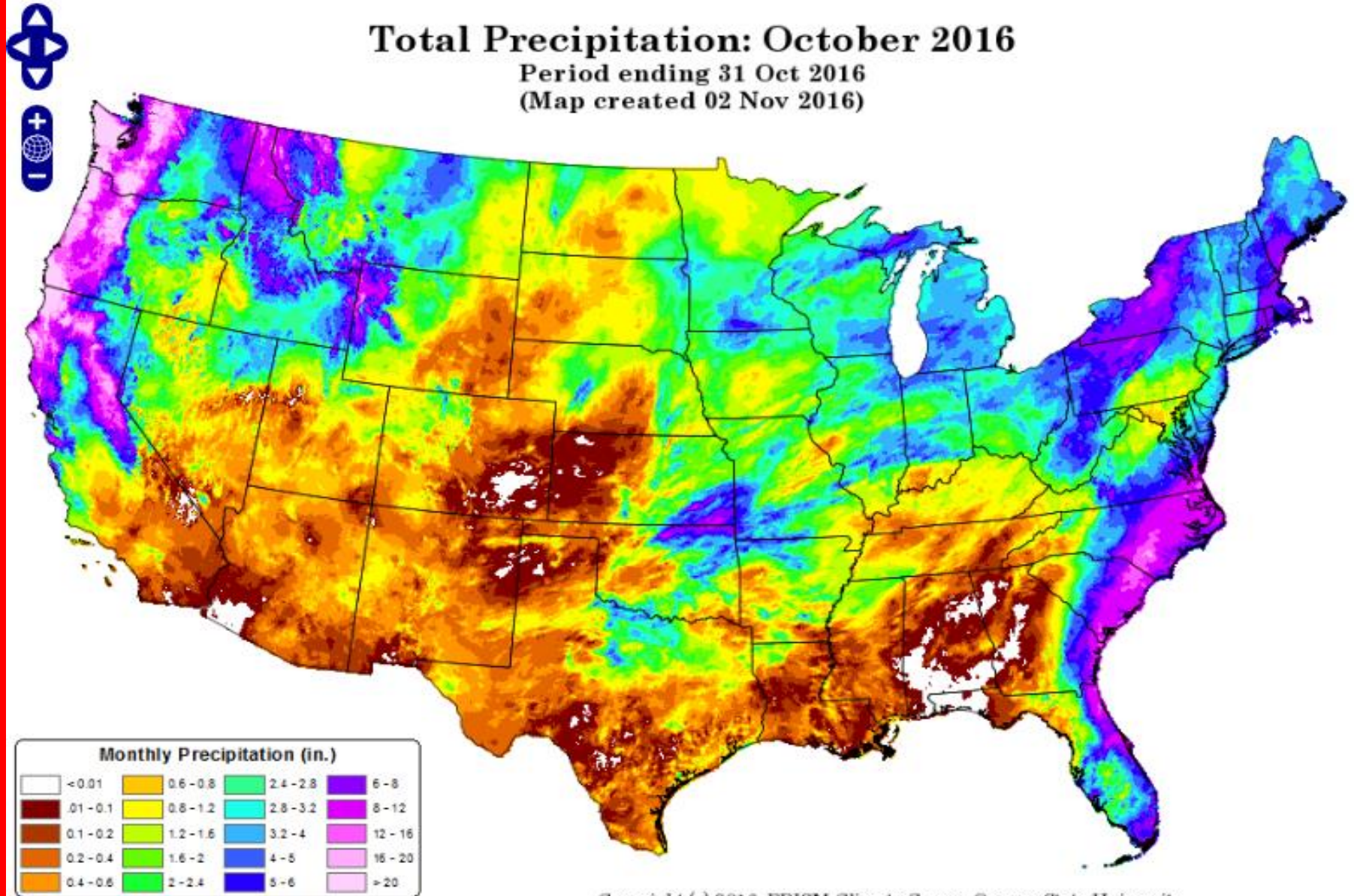


Copyright (c) 2016  
PRISM Climate Group  
Oregon State University



# Total Precipitation for OCTOBER 2016

**Total Precipitation: October 2016**  
Period ending 31 Oct 2016  
(Map created 02 Nov 2016)



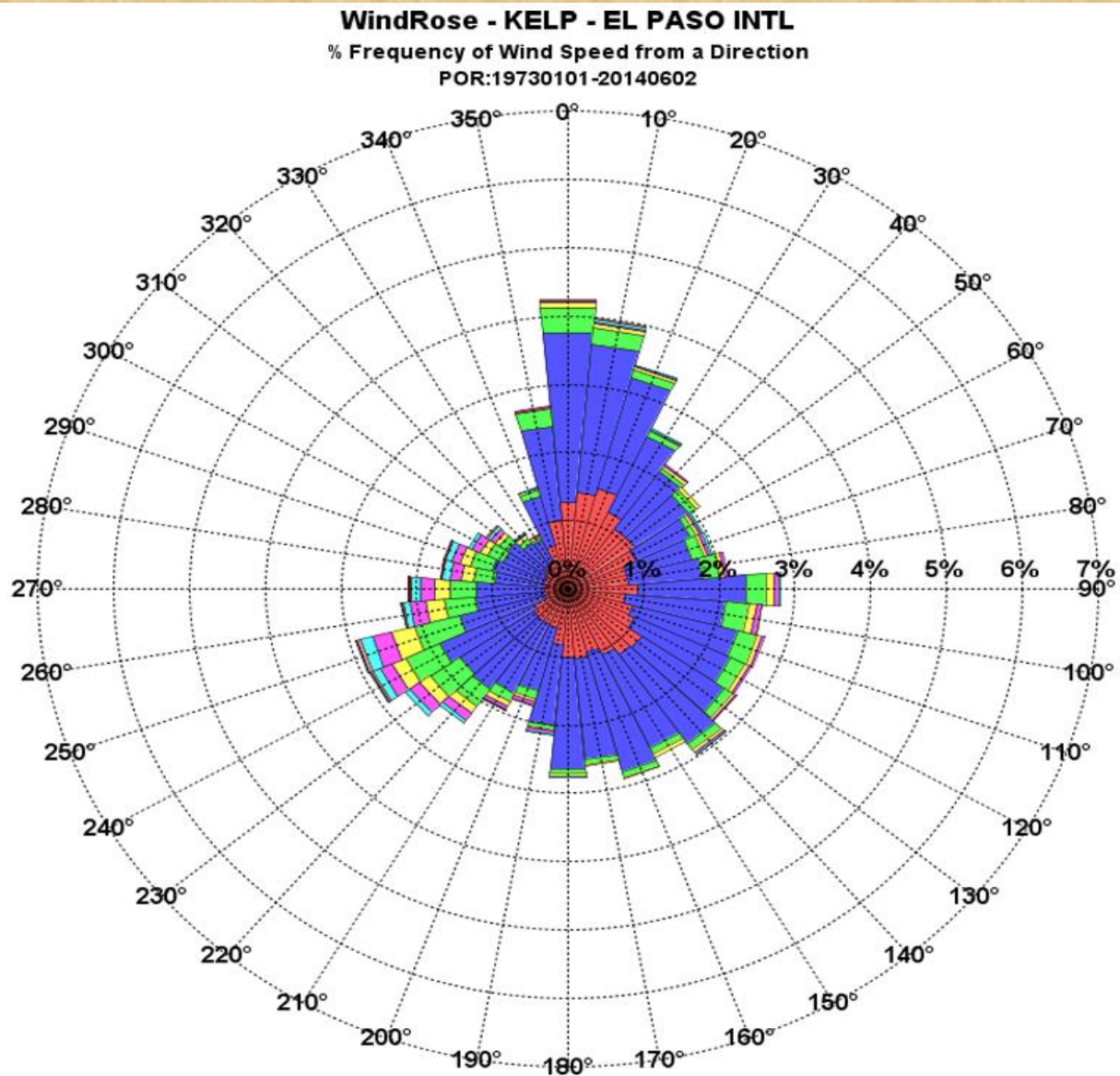
# Special Features

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

Month: OCTOBER

Calm: 12.23%

Variable: 2.30%





# Selected weather reports October 2016

[illegible]




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Photo Credit: John Fausett





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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 >](#)

### NWS El Paso

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#### Today

### Wednesday

Warmer with a Few Afternoon Storms

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


#### 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 >](#)

### Monthly Weather Digest

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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
<a href="#">January</a>	2005 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">February</a>	2006 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">March</a>	2007 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">April</a>	2008 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">May</a>	2009 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">June</a>	2010 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">July</a>	2011 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">August</a>	2012 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">September</a>	2013 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">October</a>	2014 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">November</a>	
<a href="#">December</a>	

**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.**