

# June 2018 Weather Digest





# June 2018 Weather Summary

June was a very warm month across southern New Mexico and far West Texas with El Paso Texas coming in as the third warmest June with 20 days of maximum temperatures of 100 degrees or more. In addition, El Paso set one max temperature record along with high min temps overnight. This weather pattern was courtesy of the persistent subtropical high pressure ridge aloft over the area. This feature deflected any moisture plumes as well as allowing ample incoming solar radiation allowed for continuous heating as the subsidence suppressed a lot of potential convective activity.

There was isolated to scattered shower and convective activity across the Borderland during June despite the dominance of high pressure aloft. June of course is when we begin our "Monsoon Season window." which lasts from June 15 to September 30. The best precipitation across the areas was in the mid month time frame which really was not from the onset of the classical monsoon but rather from the remnants of an eastern Pacific hurricane named Bud. It dropped from .5 to 1.0 inches of rain or so in some select locations. Nevertheless El Paso only received about only half of its normal rainfall for June.

The overall drought picture for the area did not change much with D0 and D1 conditions across the southern half of Southern New Mexico with D2 conditions over the northern half. Much more severe drought continues to persist over Central and Northern New Mexico. The dry conditions were in part to blame for two wild fires in Southern New Mexico in Jun; the Buzzard fire in the Gila Wilderness and the Soldier Canyon fire in the Sacramento Mountains. The burn scar from the Soldier Canyon will likely pose a threat the remainder of the summer for enhancing flash flooding.

# June 2018 Weather Summary Contd.

Looking ahead, the NWS Climate Prediction Center has issued an “El Nino Watch” as ocean temperatures in the eastern Pacific are starting to warm. This should lead to a Positive Enso (El Nino) by late summer into early Fall and continue into spring of 2019. This could lead to increased chances of precipitation for the Borderland during this period.

**Lightning June 3**



**Thunderstorm El Paso  
June 3**



**Thunderstorm Mammatus  
June 3**



**Thunderstorm Mammatus  
June 3**

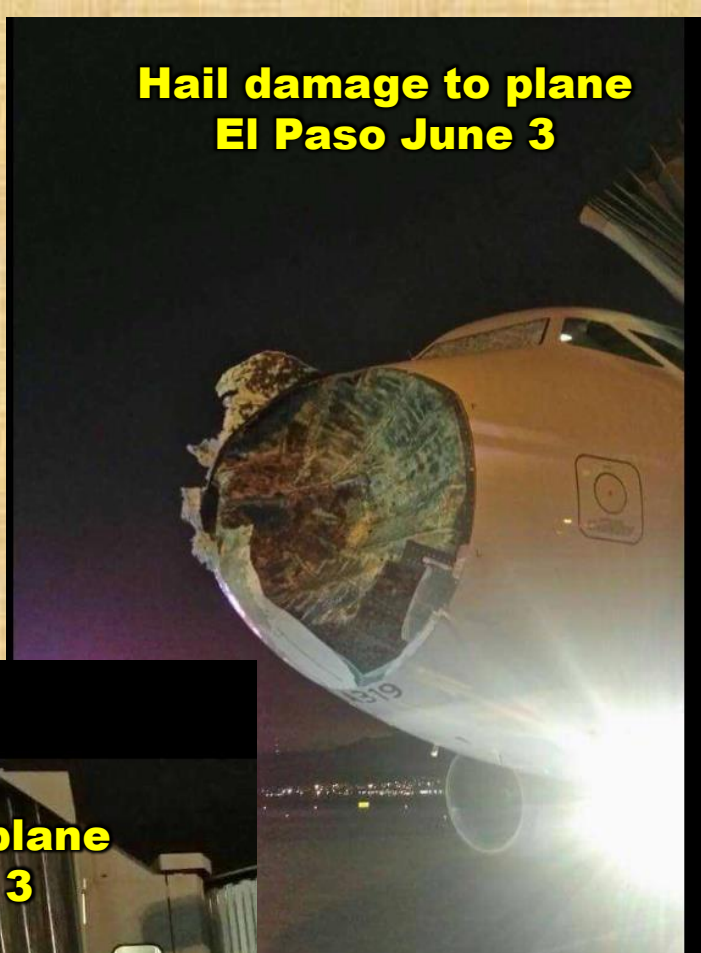




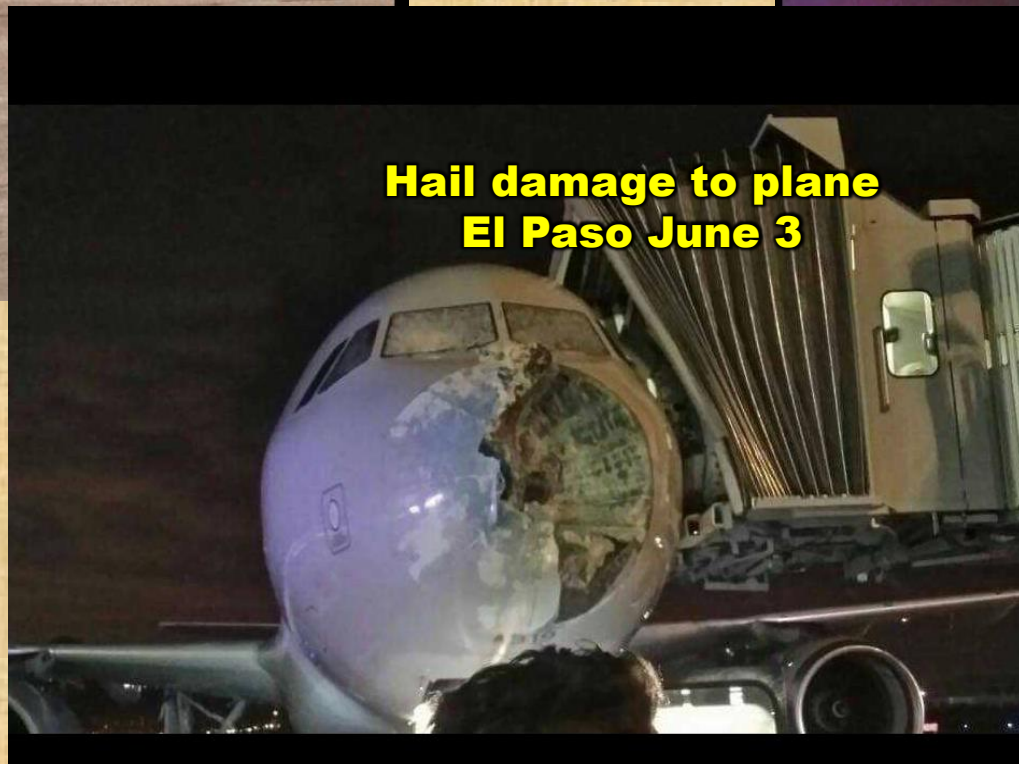
**Hail damage to plane  
El Paso June 3**



**Hail damage to plane  
El Paso June 3**



**Hail damage to plane  
El Paso June 3**





**Blowing dust Transmountain  
El Paso June 3**



**Heavy rain near Steins, NM  
June 29**



**Storm clouds  
Santa Teresa**



**Blowing dust near  
Lordsburg June 29**





**Soldier Canyon Fire  
June 7**



**Soldier Canyon Fire  
June 8**





**Buzzard Fire  
June 12**



**Buzzard Fire  
June 12**



**Buzzard Fire  
June 12**





# **El Niño Watch Is 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.

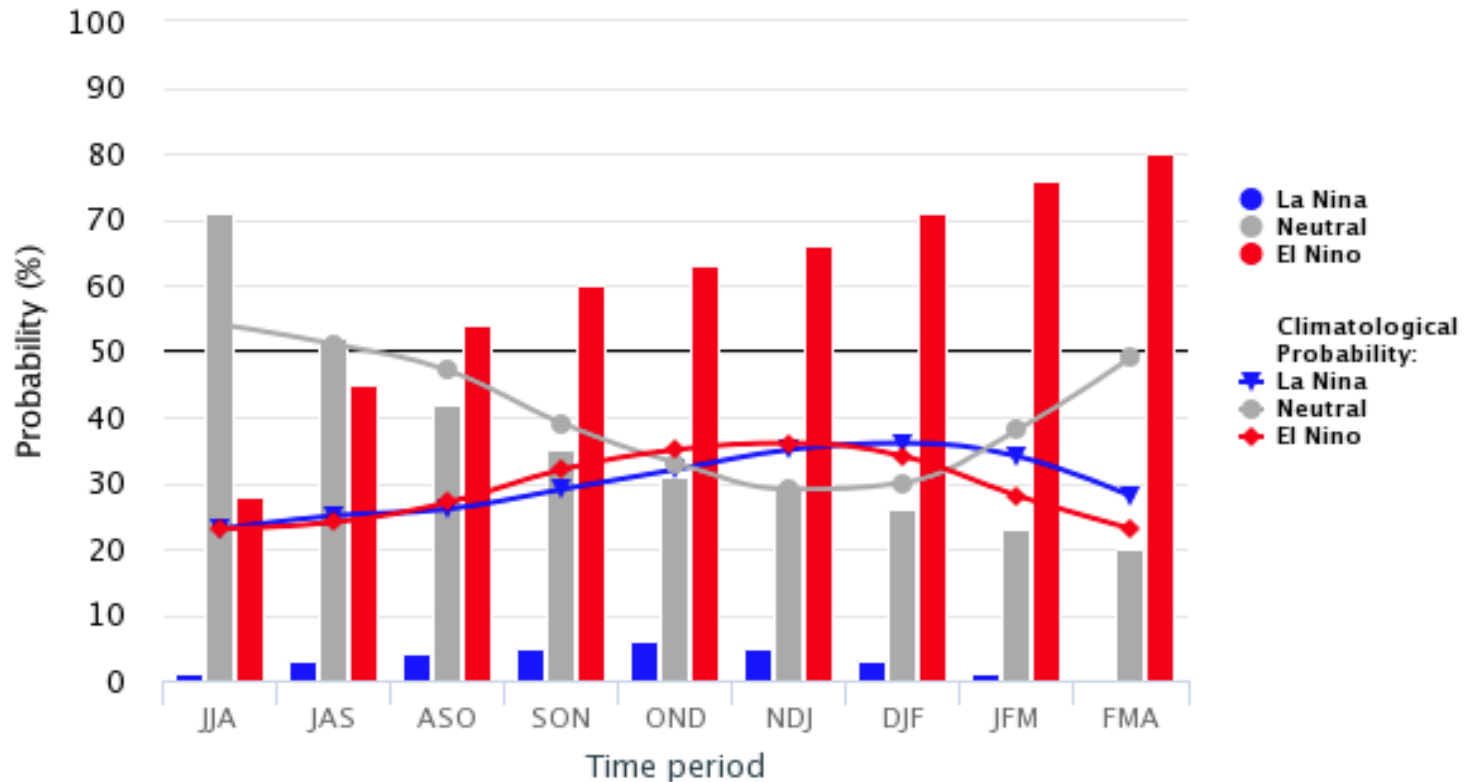


# ENSO Forecast

**ENSO IS NOW IN NEUTRAL AND WILL LIKELY CHANGE TO EL NIÑO PHASE THIS COMING FALL.**

## Mid-Jun IRI/CPC Model-Based Probabilistic ENSO Forecasts

ENSO state based on NINO3.4 SST Anomaly  
Neutral ENSO:  $-0.5\text{ }^{\circ}\text{C}$  to  $0.5\text{ }^{\circ}\text{C}$



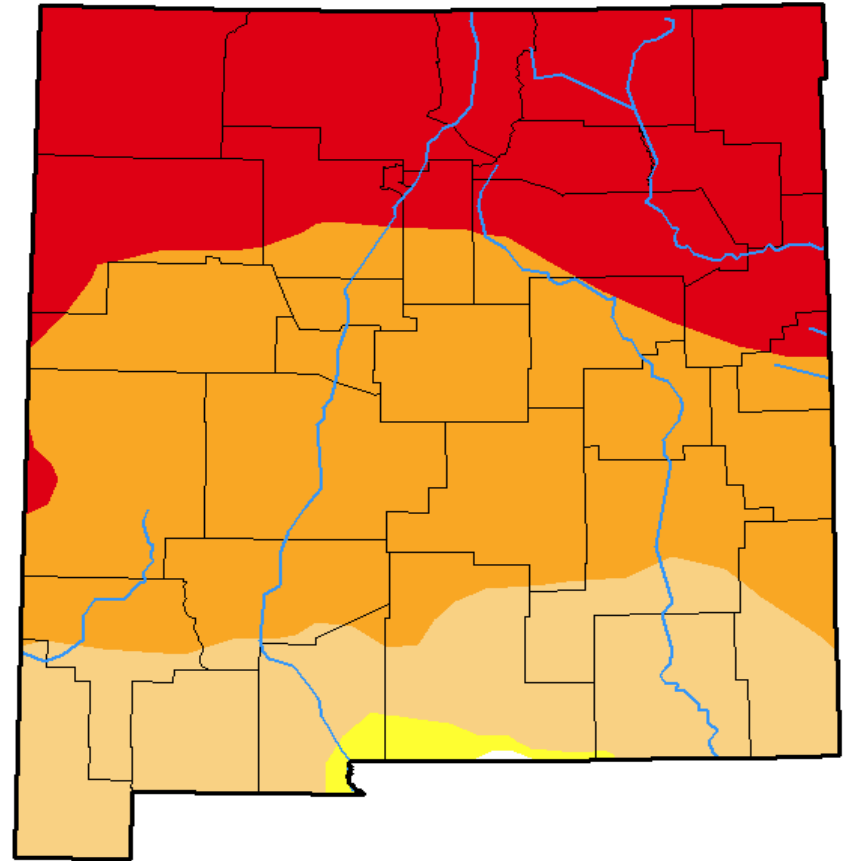
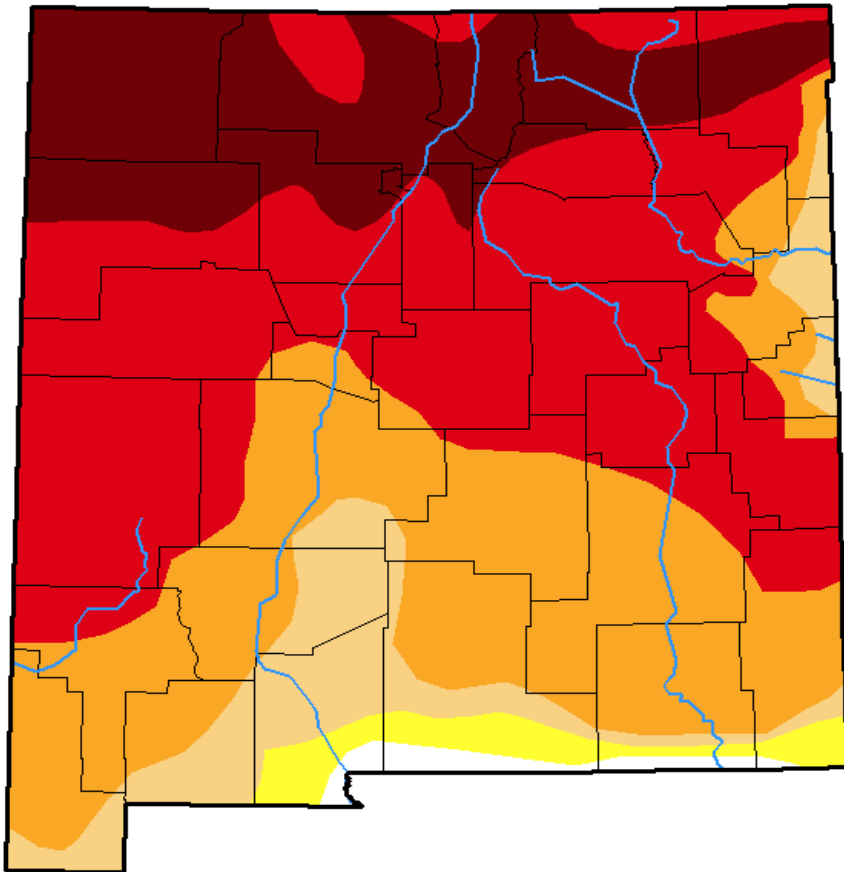


# Current drought conditions for New Mexico and 3 month change

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

**June 26, 2018**






**March 27, 2018**

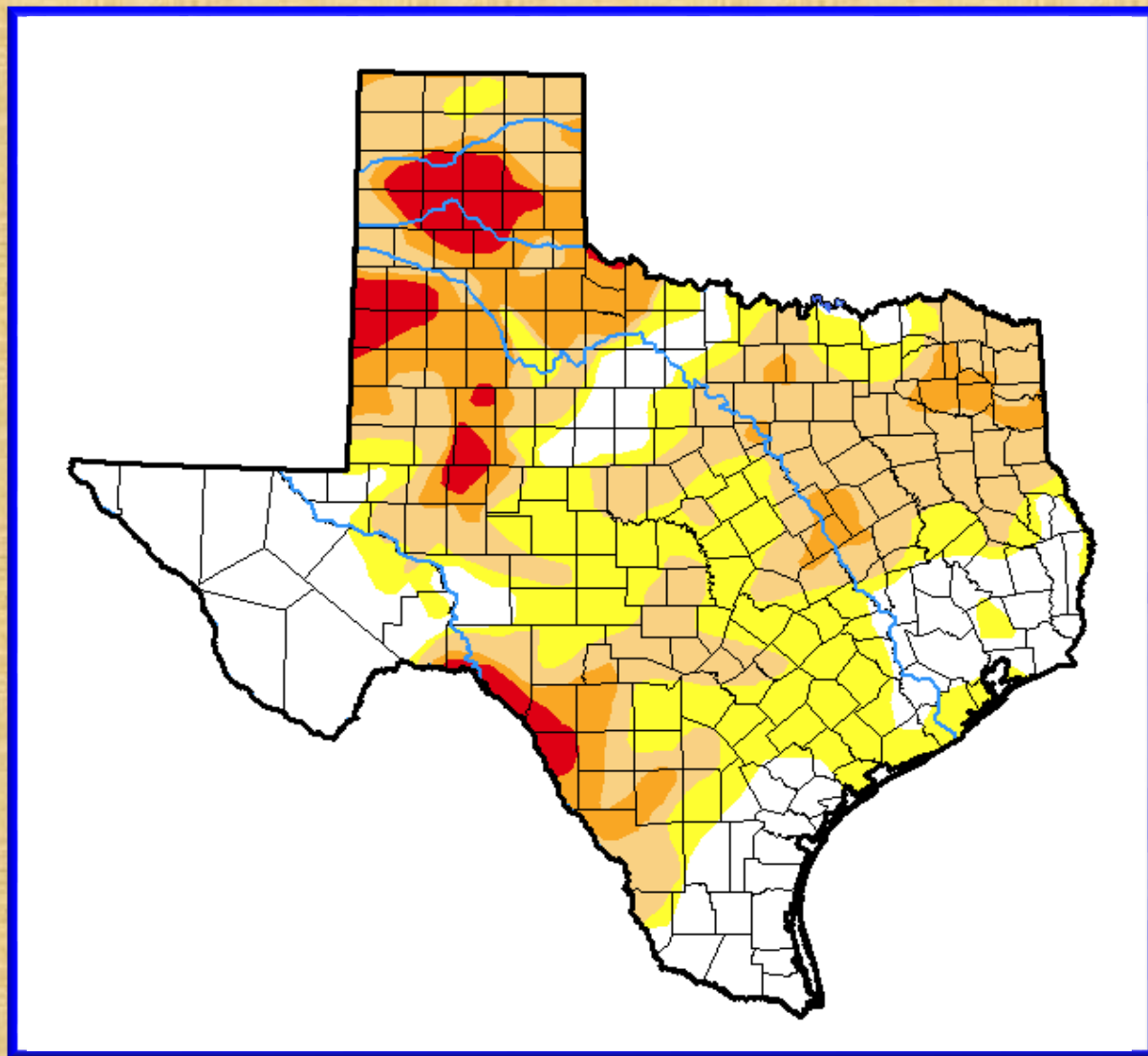




# Current drought conditions for Texas as of June 26, 2018

Intensity:

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



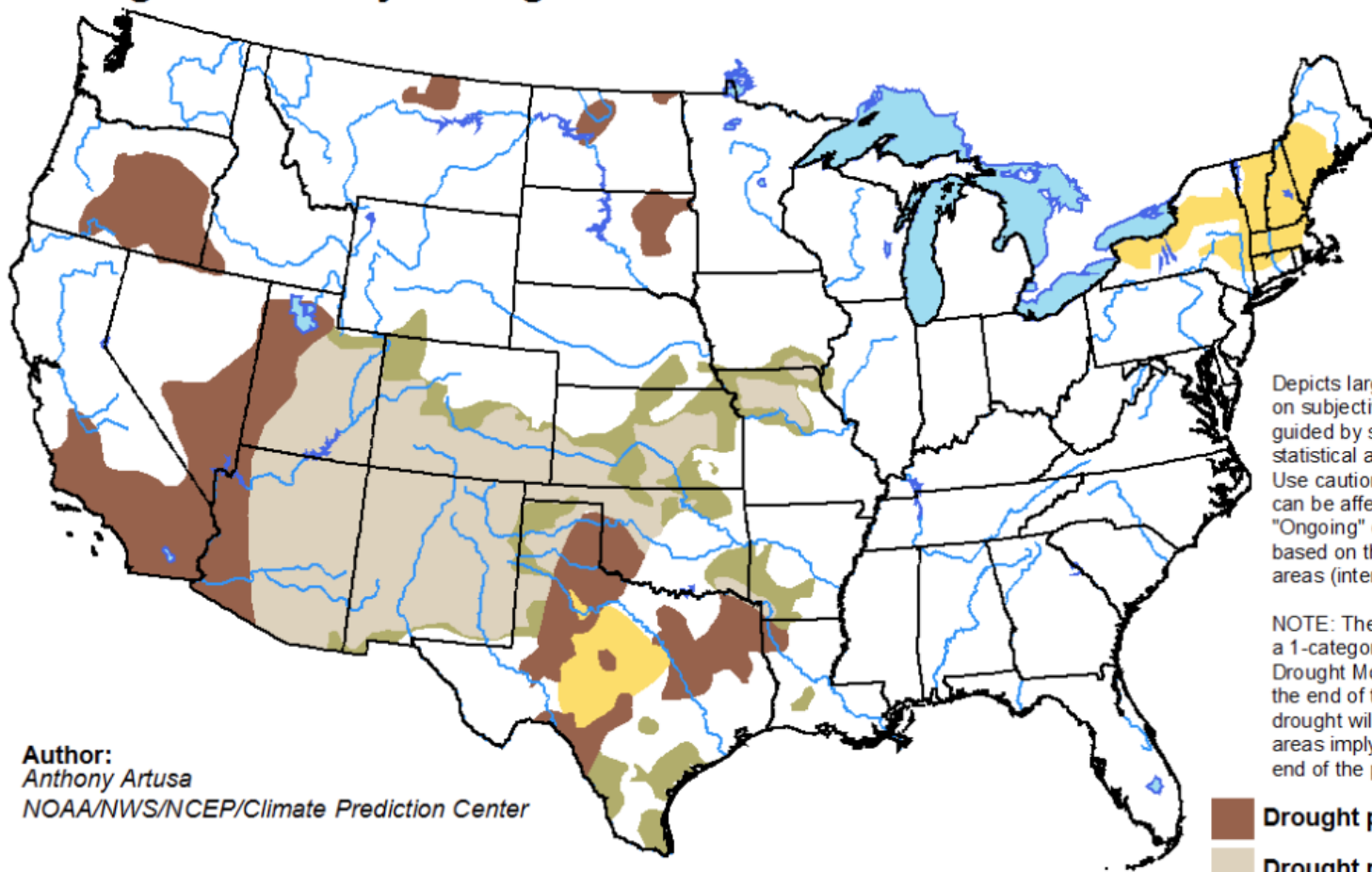
**Build your own custom slider maps here at:**

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

# U.S. Seasonal Drought Outlook

## Drought Tendency During the Valid Period





Valid for June 21 - September 30, 2018  
Released June 21, 2018

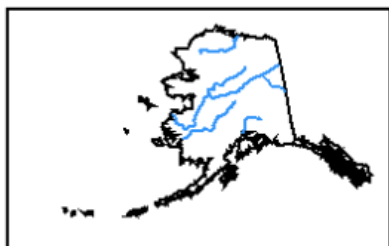


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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



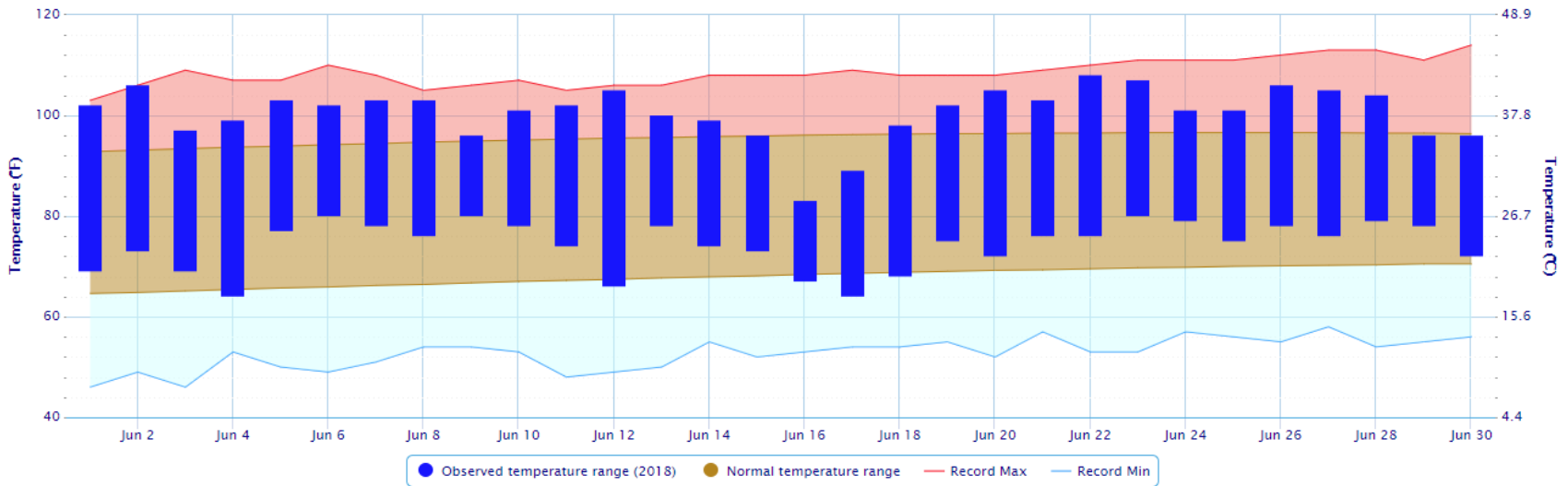
<http://go.usa.gov/3eZ73>



# Temperature and precipitation data for June 2018 in El Paso

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

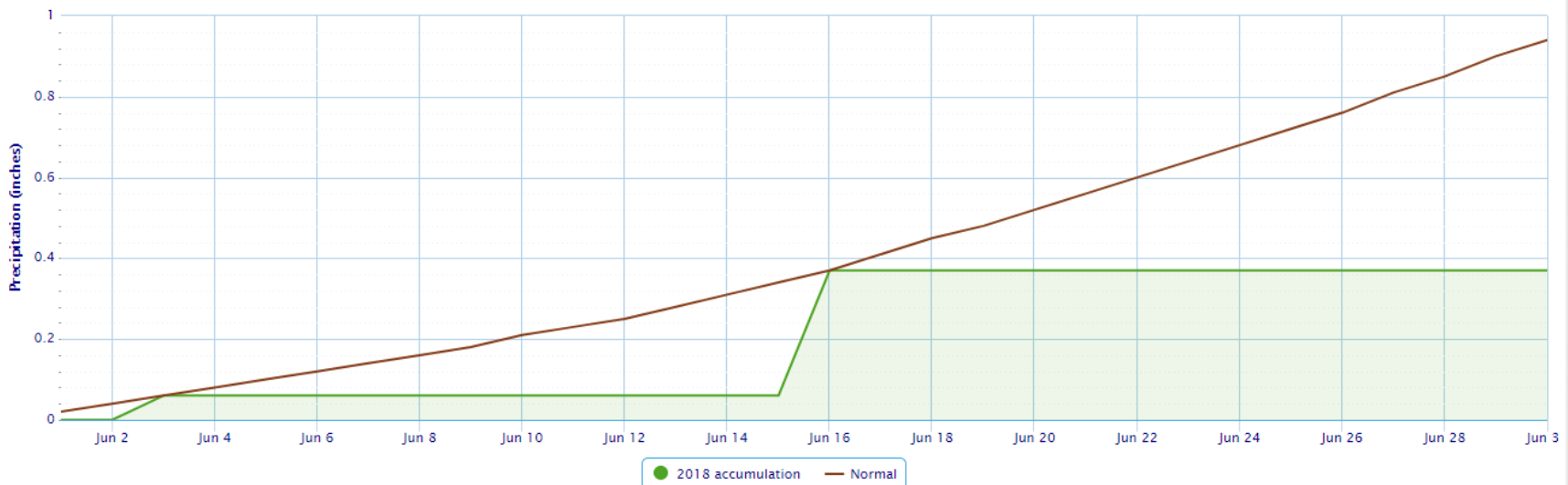
Period of Record – Max temperature: 1887-01-01 to 2018-06-30; Min temperature: 1879-01-01 to 2018-06-30. Normals period: 1981-2010. Click and drag to zoom chart.



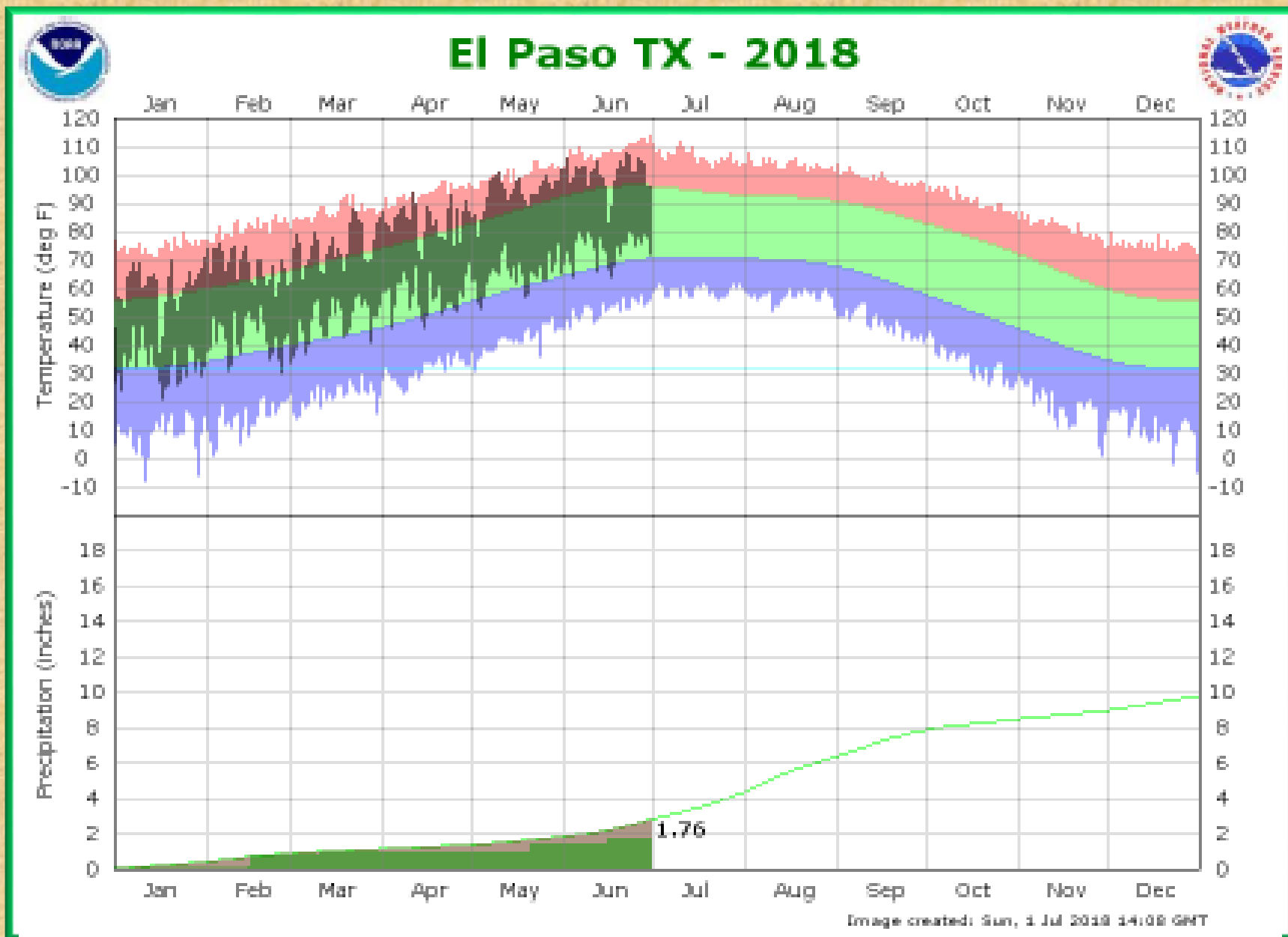
Powered by ACIS

Accumulated Precipitation – El Paso Area, TX (ThreadEx)

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



# 2018 year-to-date temperature and precipitation data El Paso

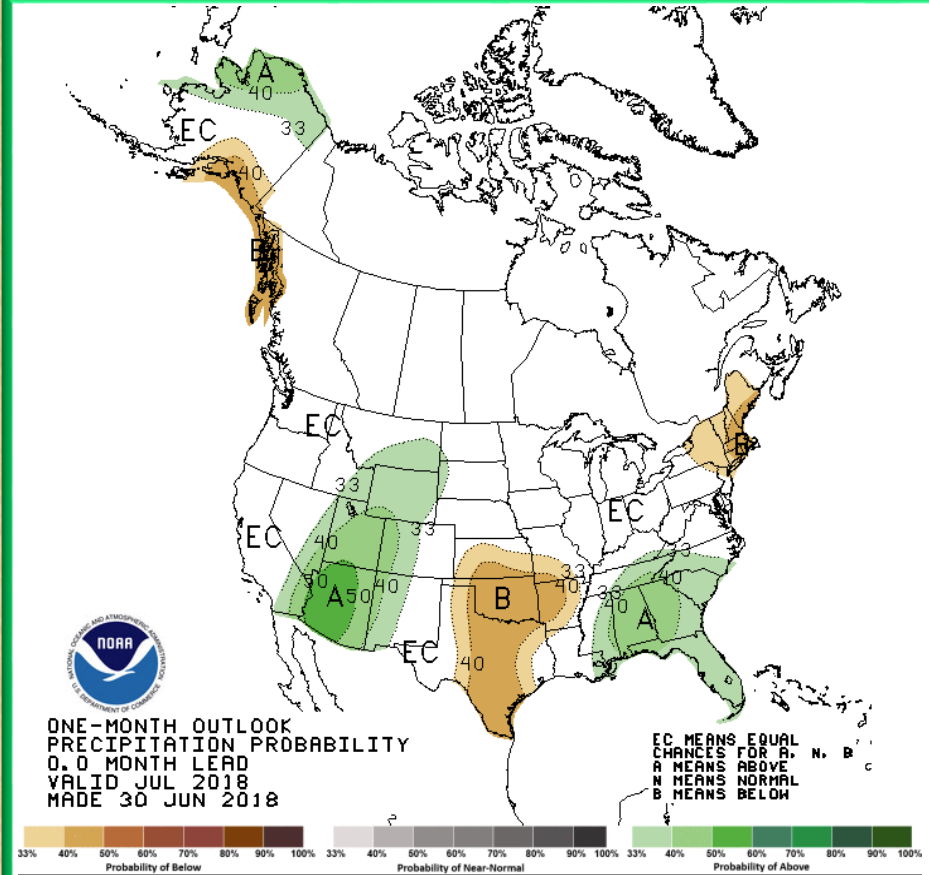
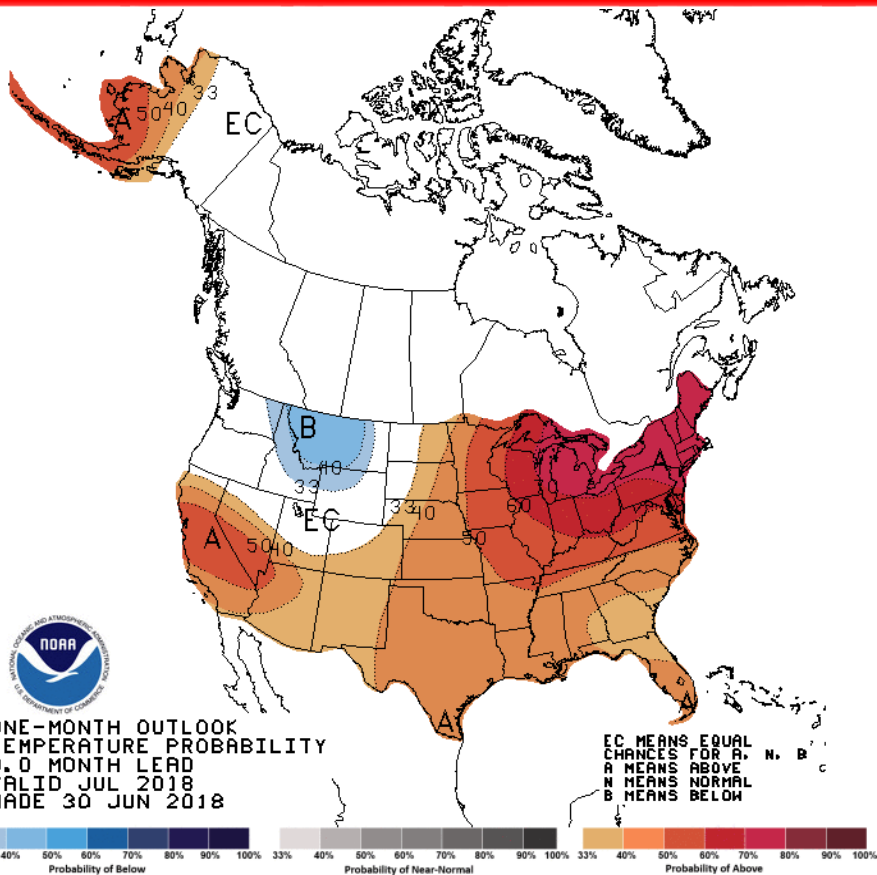




# Temperature and precipitation outlook for July 2018

## Temperature

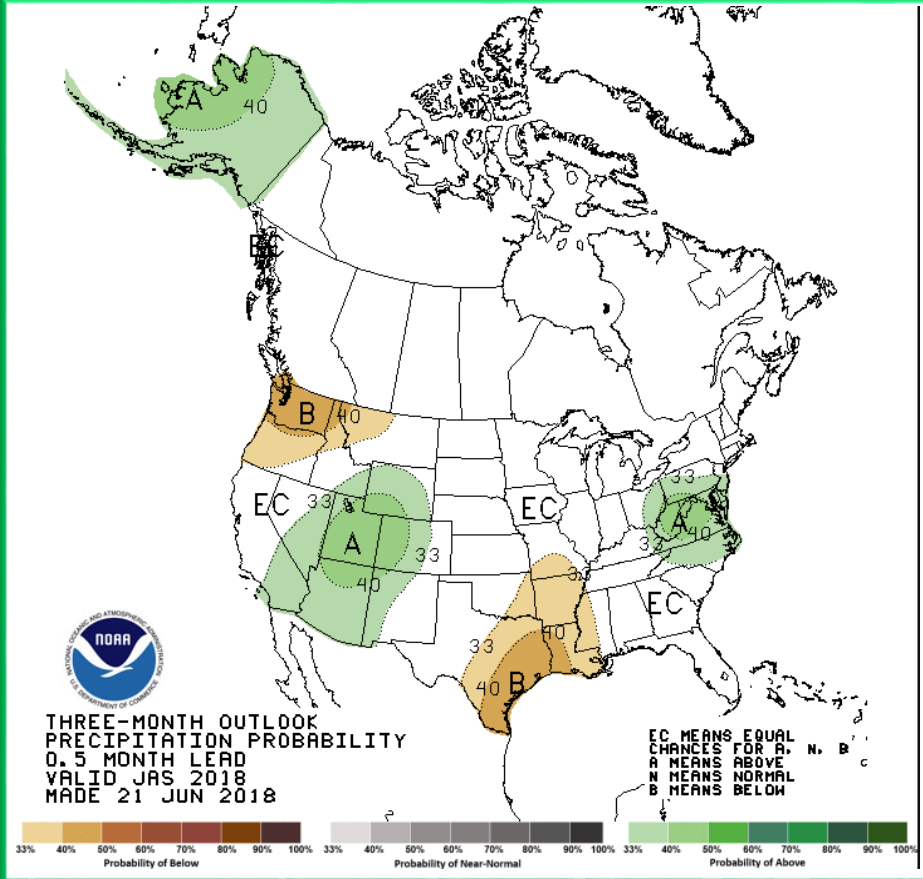
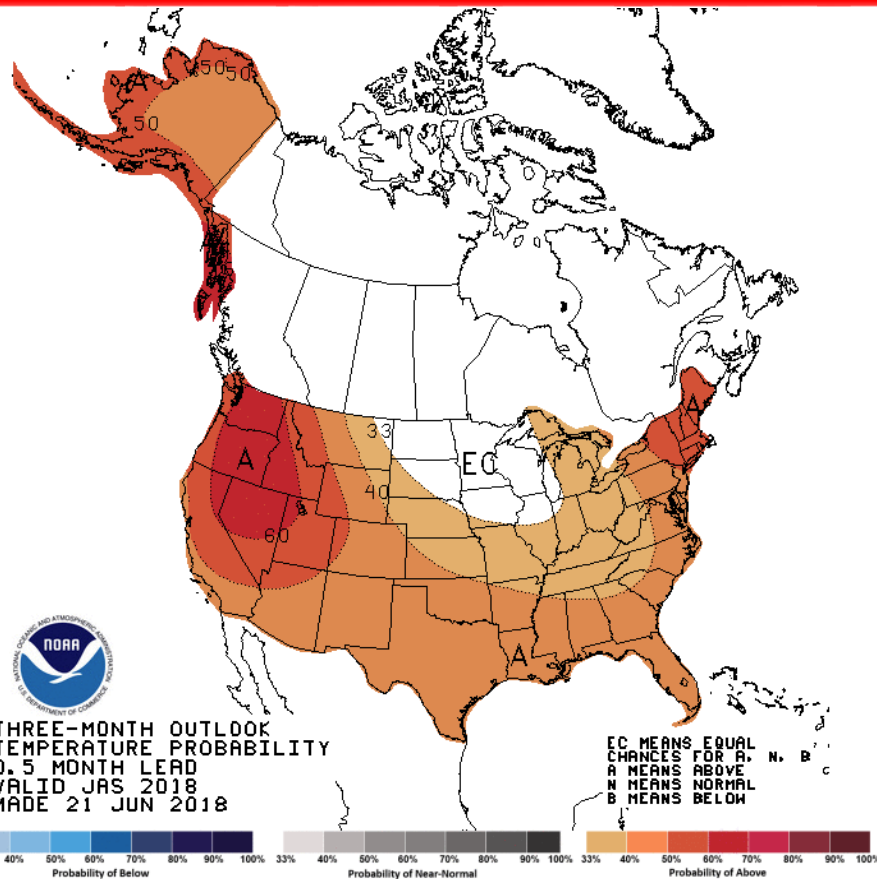
## Precipitation



# Temperature and precipitation outlook for Jul-Sep 2018

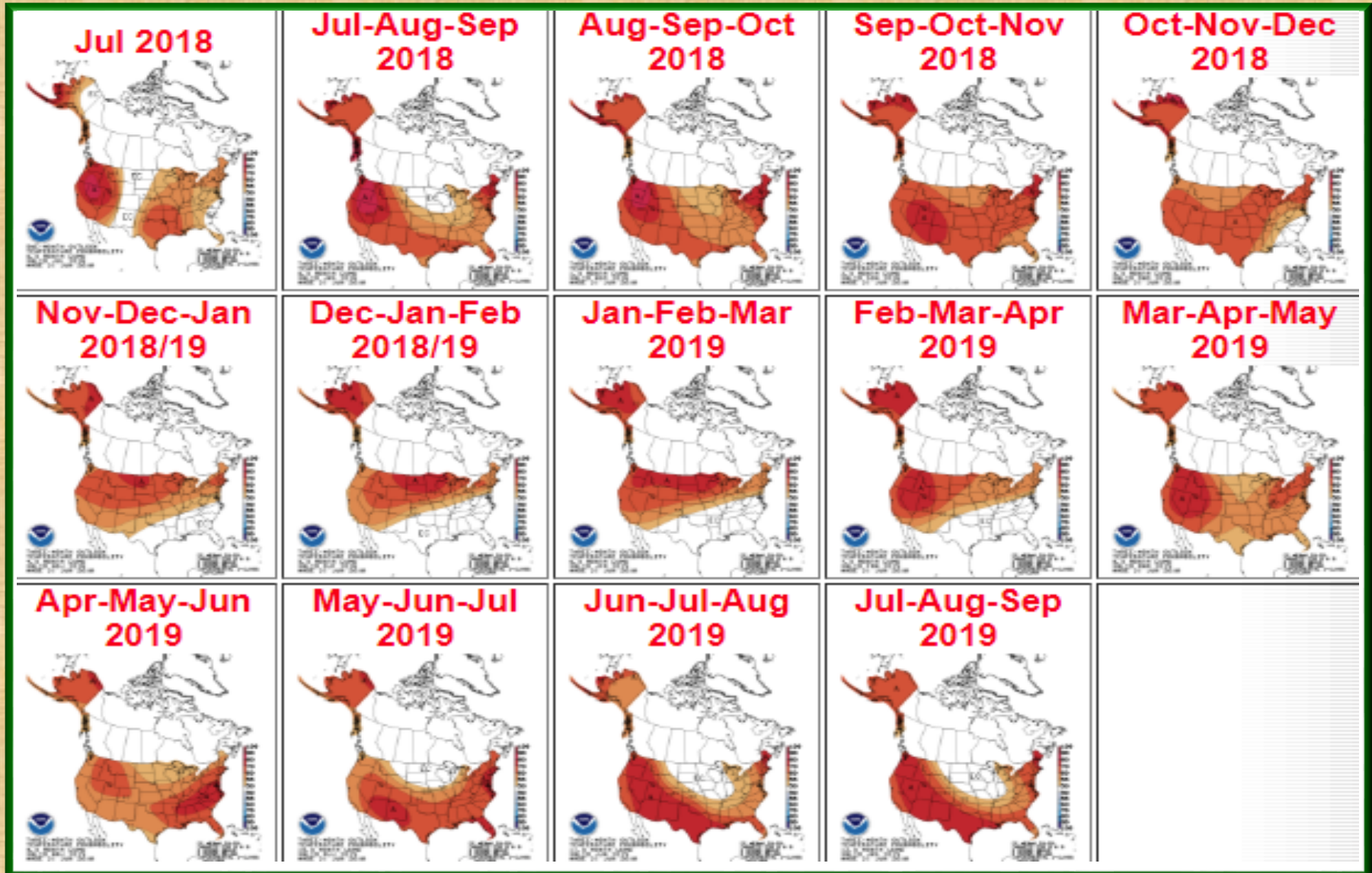
## Temperature

## Precipitation

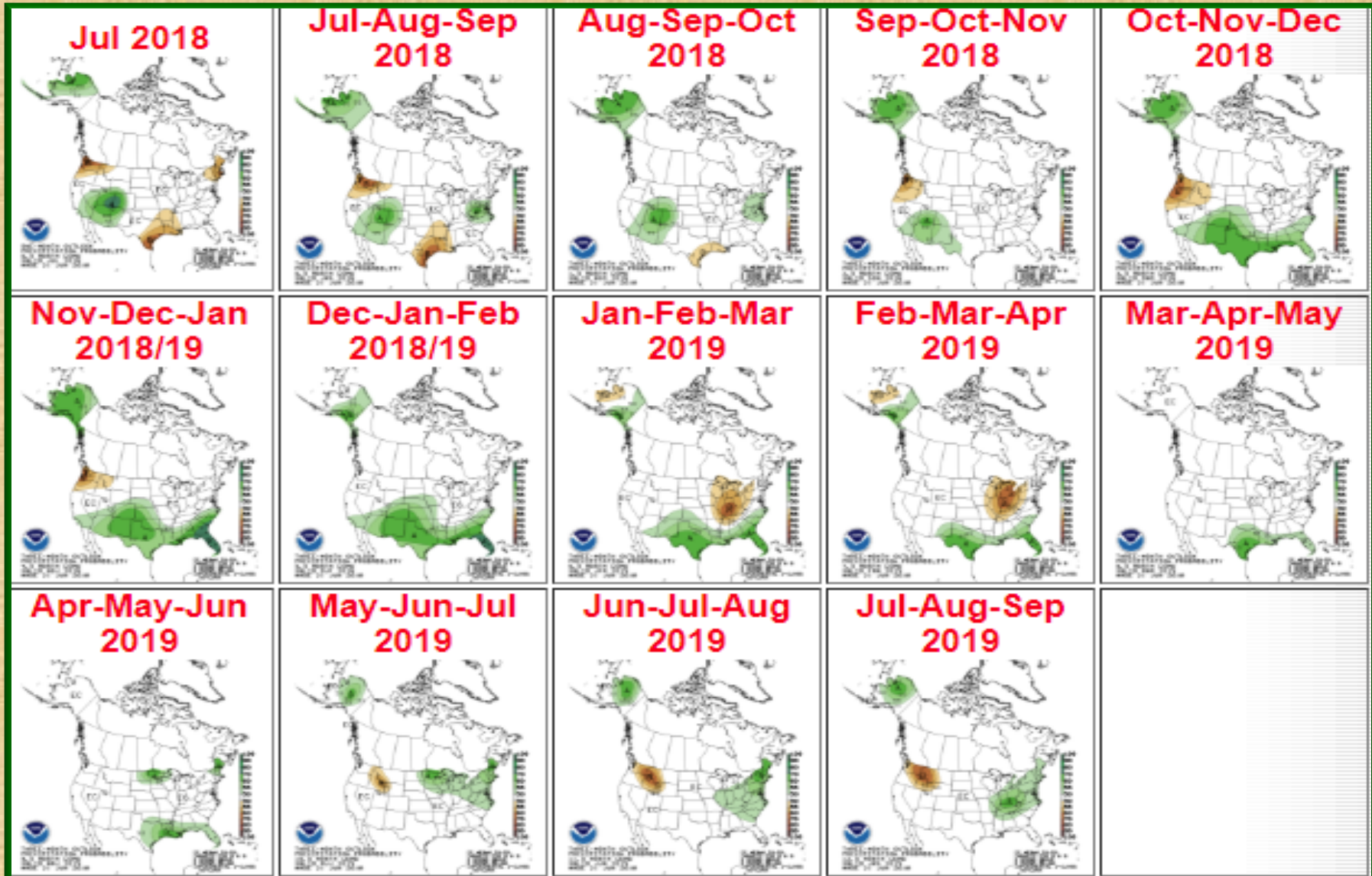




# Temperature Outlook Through September 2019

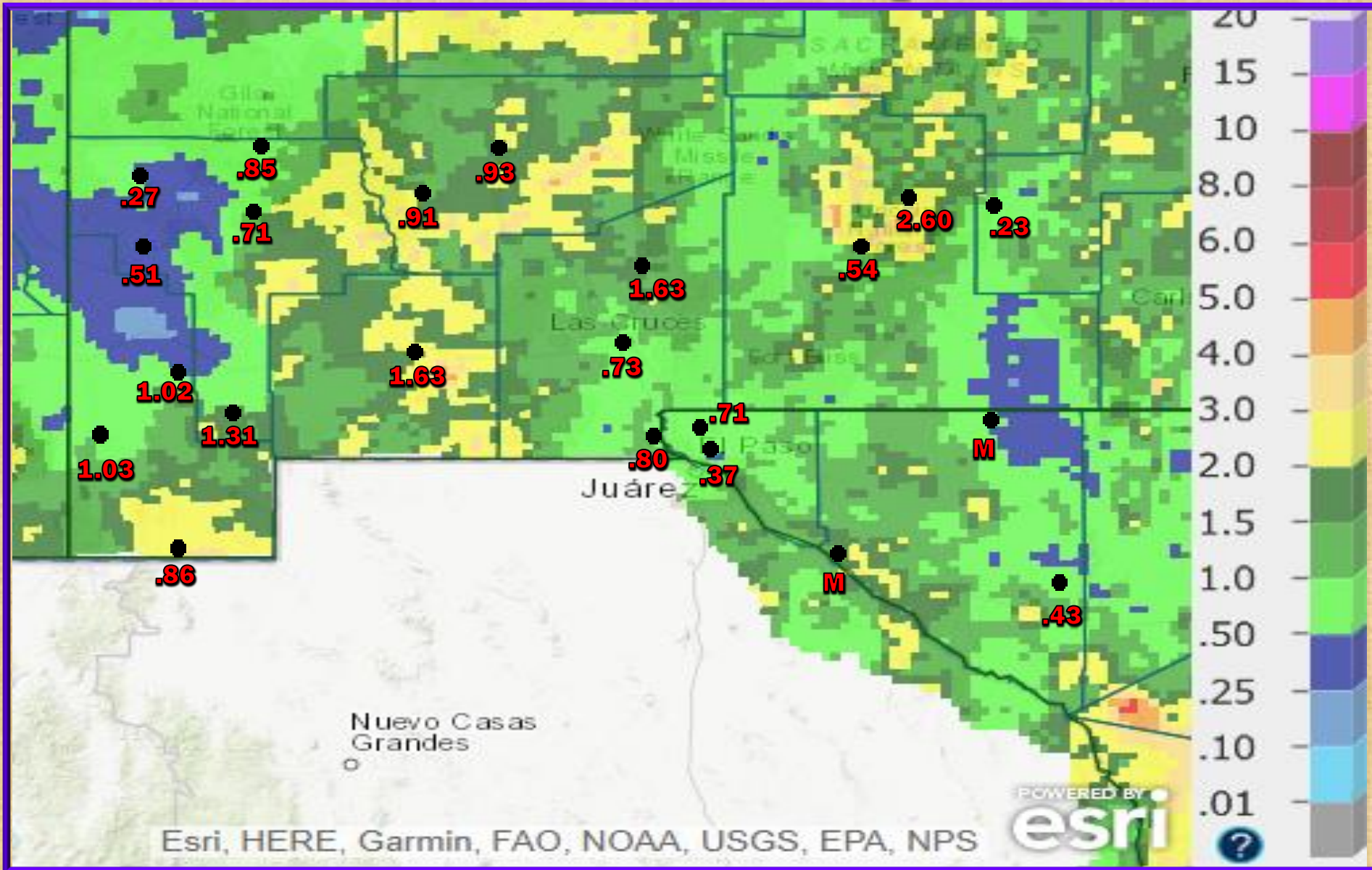


# Precipitation Outlook Through September 2019



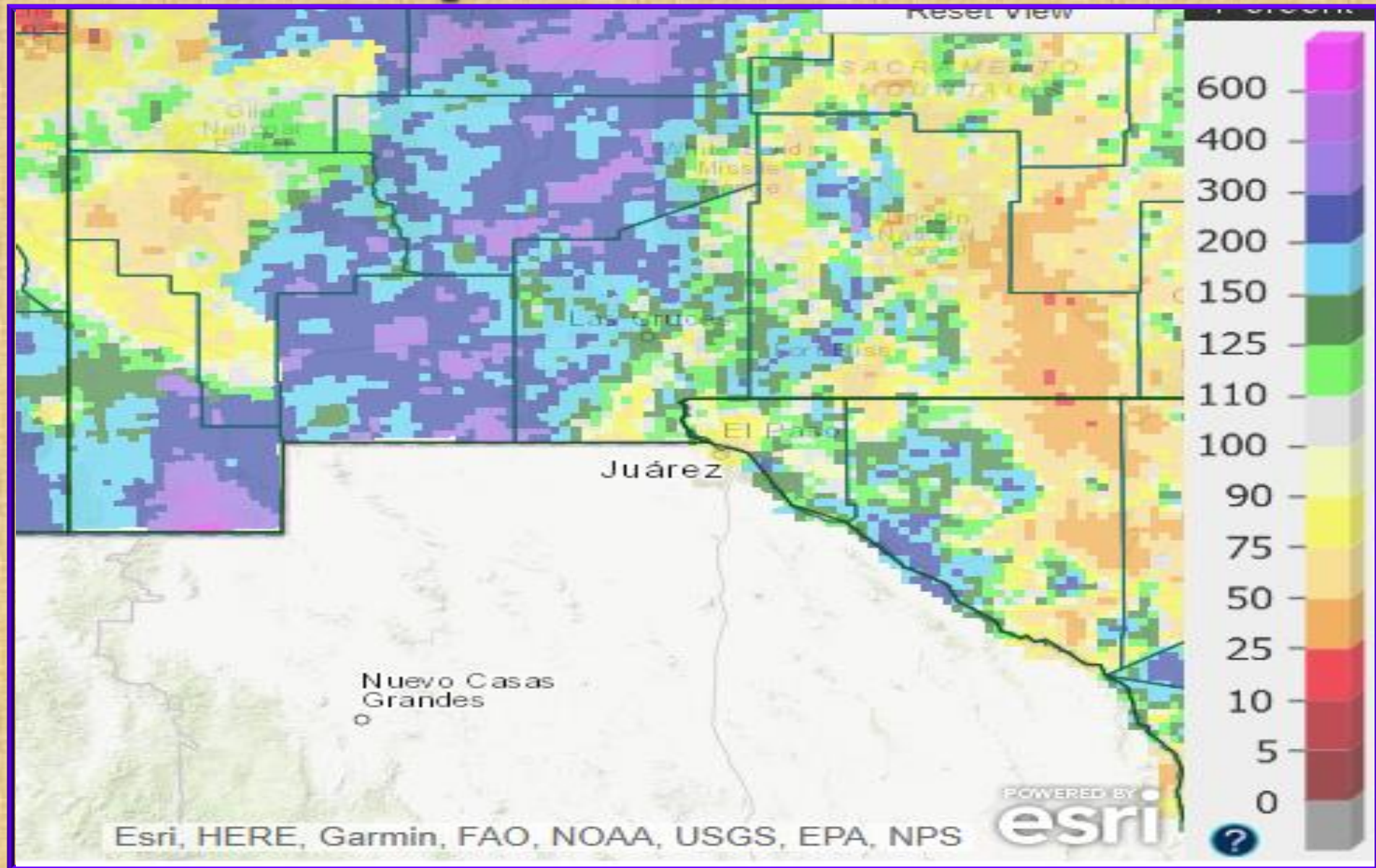


# June 2018 radar rainfall estimate with surface rainfall reports





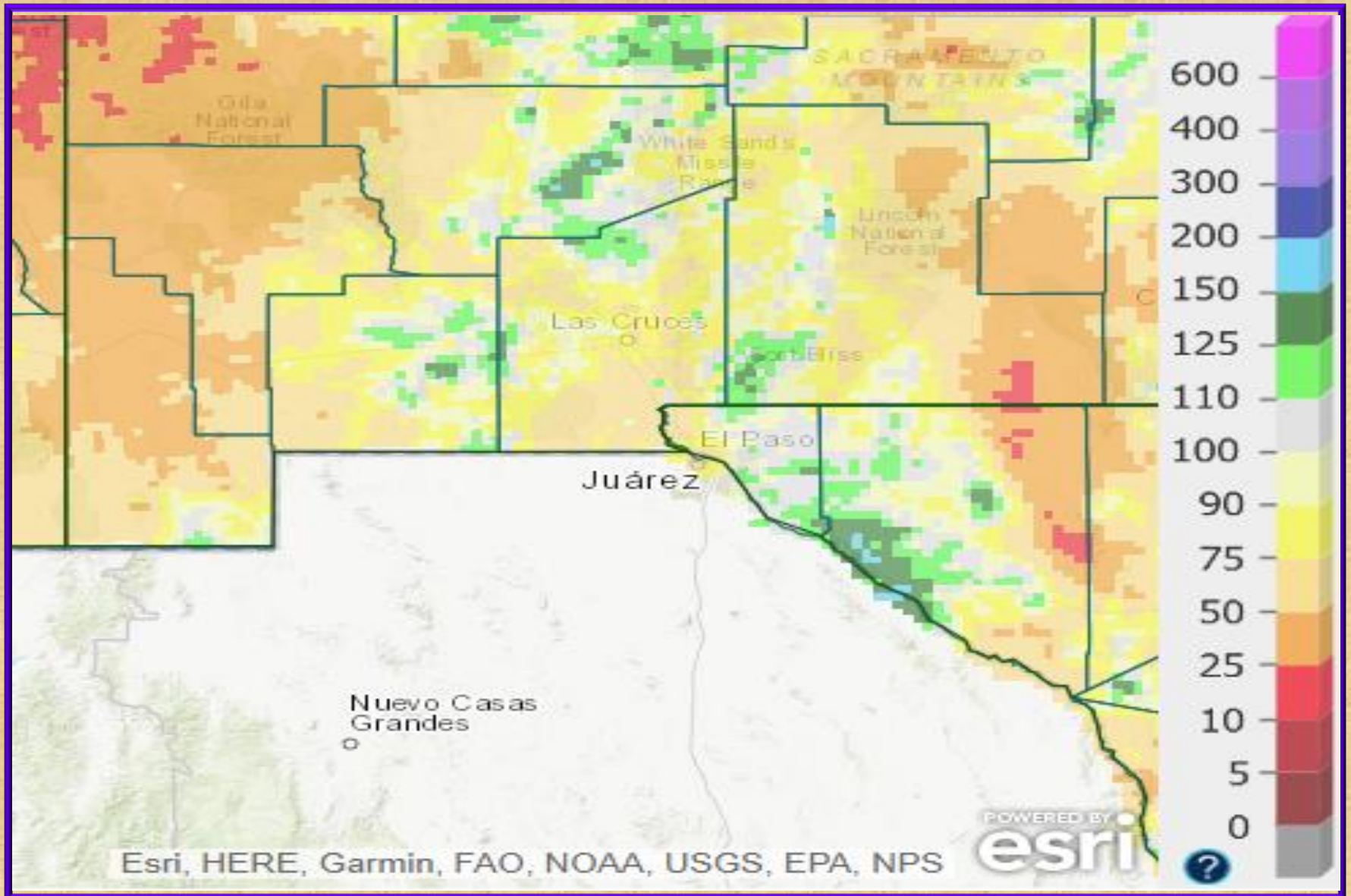
# June 2018 radar rainfall estimate percent of normal





# Oct through June 30 (Water Year to date)

## Percent of Normal

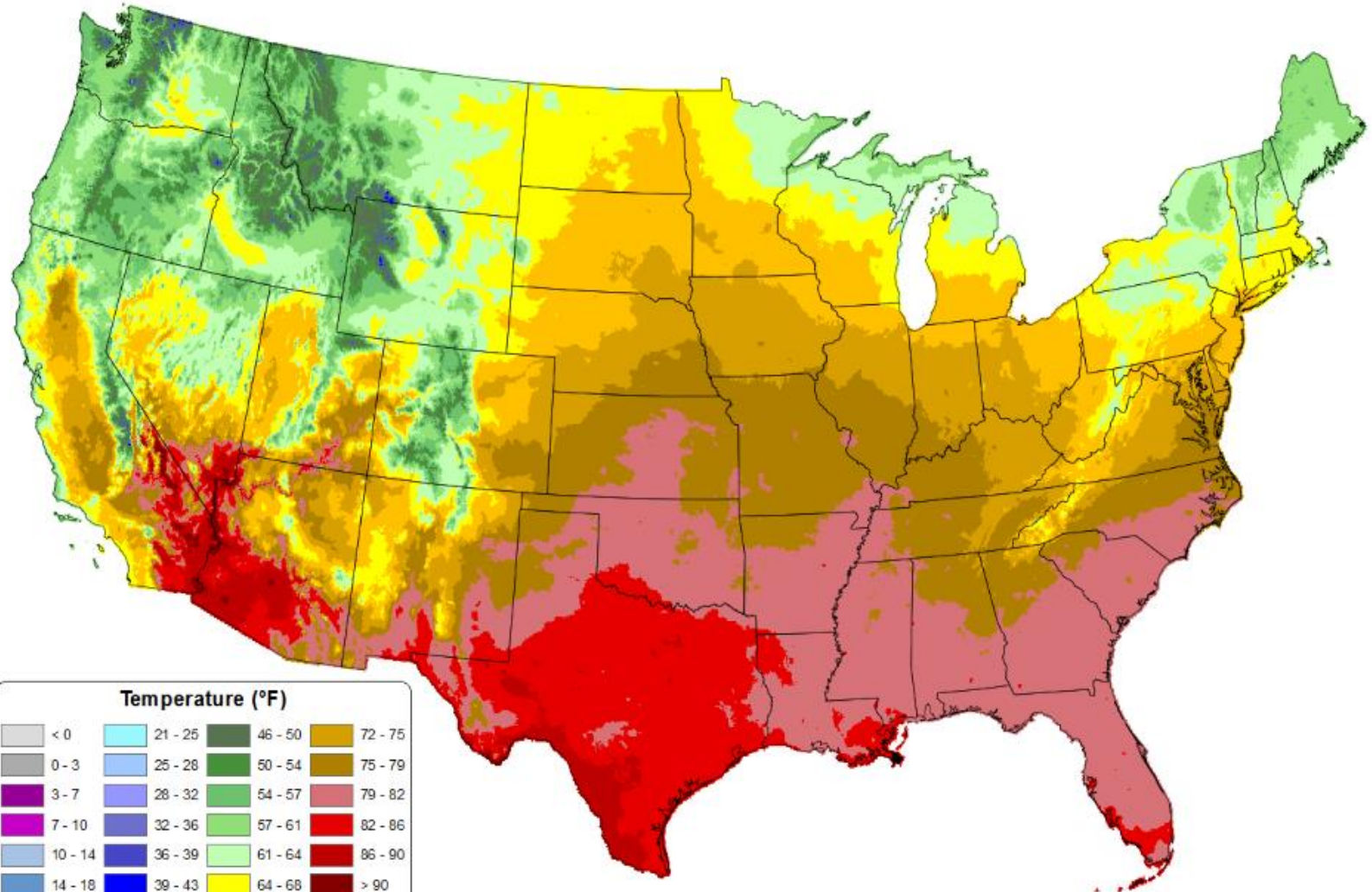


# Average Daily Mean Temperature for June 2018

Average Daily Mean Temperature: 01 June 2018 - 30 June 2018

Period ending 7 AM EST 30 Jun 2018

(Map created 01 Jul 2018)



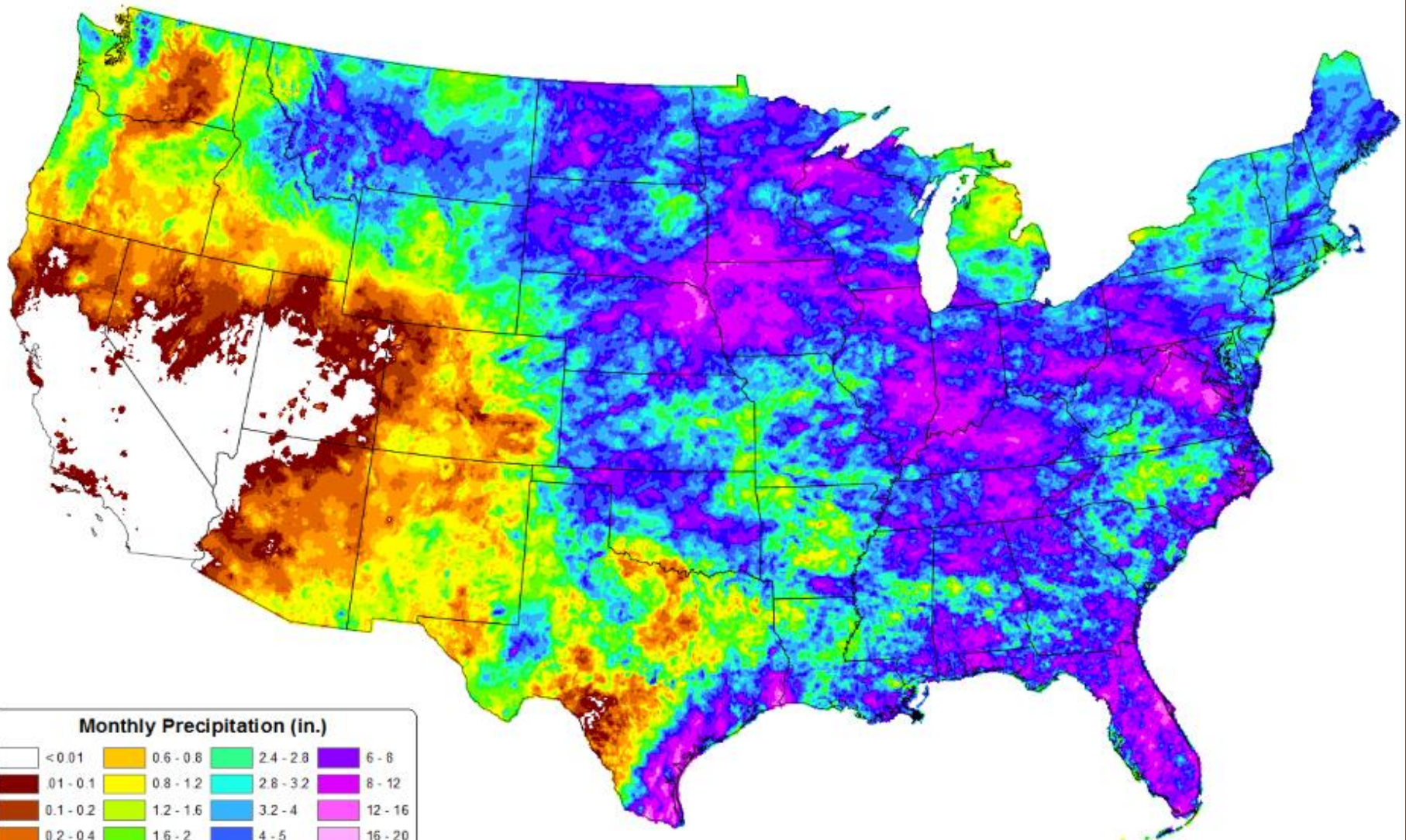


# Total Precipitation for June 2018

Total Precipitation: 01 June 2018 - 30 June 2018

Period ending 7 AM EST 30 Jun 2018

(Map created 01 Jul 2018)

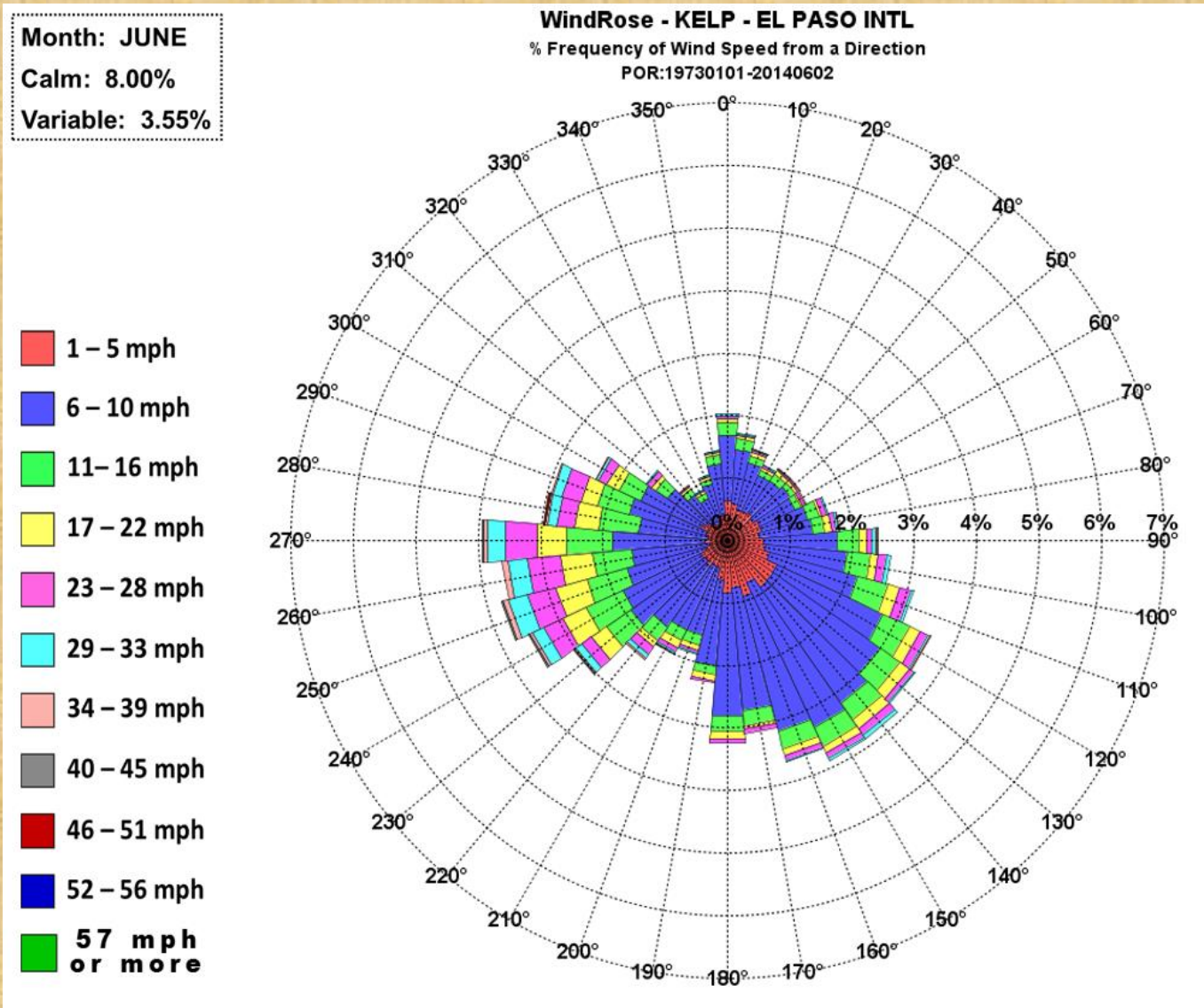


## Monthly Precipitation (in.)



# Special Features

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





# Selected weather reports June 2018

<b>Date/Time</b>	<b>Location (County)</b>	<b>Event</b>
JUNE 3 507 PM	EL PASO 6N-EL PASO	.75 INCH HAIL
JUNE 3 517 PM	EL PASO 3NW- EL PASO	.75 INCH HAIL
JUNE 3 505 PM	EL PASO 9NE-EL PASO	66 MPH THUNDERSTORM GUST
JUNE 6 405 PM	LORDSBURG-HIDALGO	.75 INCH HAIL
JUNE 13 556 PM	LA LUZ 6NE-OTERO	.88 INCH HAIL
JUNE 13 450 PM	DEMING 4S-LUNA	60 MPH THUNDERSTORM GUST
JUNE 17 700 AM	RADIUM SPRINGS 2S-DONA ANA	1.35 INCH RAINFALL
JUNE 17 700 AM	COLUMBUS 20W-LUNA	1.20 INCH RAINFALL
JUNE 17 700 AM	DEMING 11SE-LUNA	1.19 INCH RAINFALL
JUNE 17 700 AM	CLOVERDALE 5 N-HIDALGO	1.15 INCH RAINFALL
JUNE 17 700 AM	BAYARD 6N-GRANT	1.10 INCH RAINFALL
JUNE 17 700 AM	MIMBRES-GRANT	1.08 INCH RAINFALL
JUNE 17 700 AM	LAS CRUCES 16NW-DONA ANA	1.04 INCH RAINFALL
JUNE 17 700 AM	SILVER CITY 8NW-GRANT	1.00 INCH RAINFALL
JUNE 17 700 AM	CLOUDCROFT-OTERO	.94 INCH RAINFALL





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

**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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**NWS El Paso**  
[Weather.gov > El Paso, TX](#)

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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[Weather.gov > El Paso, TX > Monthly Weather Digest](#)

El Paso, TX  
 Weather Forecast Office

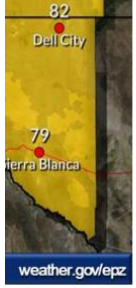
Current Hazards   Current Conditions   Radar   Forecasts   Rivers and Lakes   Climate and Past Weather   **Local Programs**

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
<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.**



[weather.gov/epz](http://www.weather.gov/epz)