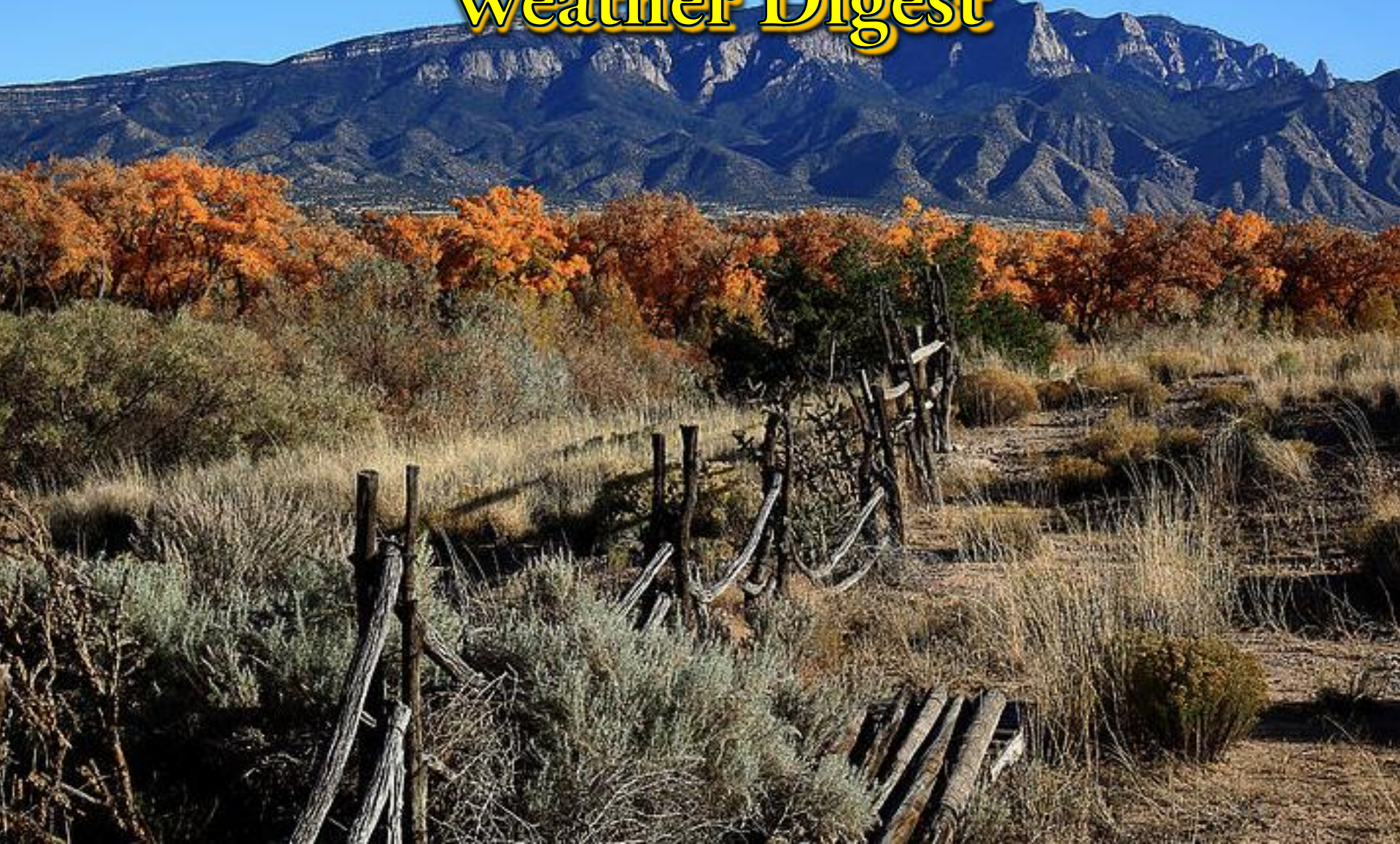


September 2018 Weather Digest



September 2018 Weather Summary

September turned out to be a fairly typical month with respect to temperatures and rainfall. While the official monsoon season runs through the end of September, in reality the monsoon usually is done by the middle of the month. This year the monsoon rapidly shut down around the 9th and 10th. From the radar rainfall estimate chart, we can see that most of southern New Mexico west of the Rio Grande Valley saw above normal rainfall. To the east, most of the area was slightly below normal. For the monsoon season as a whole, the same general pattern (wetter west, drier east) held true. With respect to drought conditions, most of the area was in moderate to severe drought at the beginning of the monsoon season. By the end, most of the area had improved to moderate drought to abnormally dry. September also draws to a close the period we know as the “water year”, which runs from Oct 1 to Sep 30. A quick look at this chart shows most of the area above normal, with the exception of El Paso-Las Cruces corridor and eastern Otero and Hudspeth Counties.

Temperatures around the Borderland generally ran just above normal, though we did not experience any extreme temperatures as very few daily records were set. To go along with this lack of extremes, very few significant weather events took place this September. Late in the month we did see a tropical intrusion, as southerly flow aloft developed on the 19th and 20th. Many areas received moderate to heavy amounts of rain. along with a few areas of minor flooding.

September 2018 Weather Summary

Looking ahead to October, our daylight continues to shrink. Daylight on October 1st is 11 hours and 50 minutes, diminishing to 10 hours and 56 minutes by the last day of the month. The first freezes of the season (which have already occurred over most of the mountain areas), spring up across most of the lowlands. The few holdouts are in the urban areas, which due to heat island effects, don't normally freeze until early November.

The climate outlook for October is for a good chance of above normal temperatures and precipitation as it looks like a new El Niño pattern should develop. Normal rainfall for El Paso for October is .61 inches, while in the mountains, Cloudcroft averages a hair over 2 inches.

Near Las Cruces Sep 6



Near Las Cruces Sep 21



Near Santa Teresa Sep 21



Near Anthony Sep 21



El Niño Watch Is In Effect

ENSO Alert System

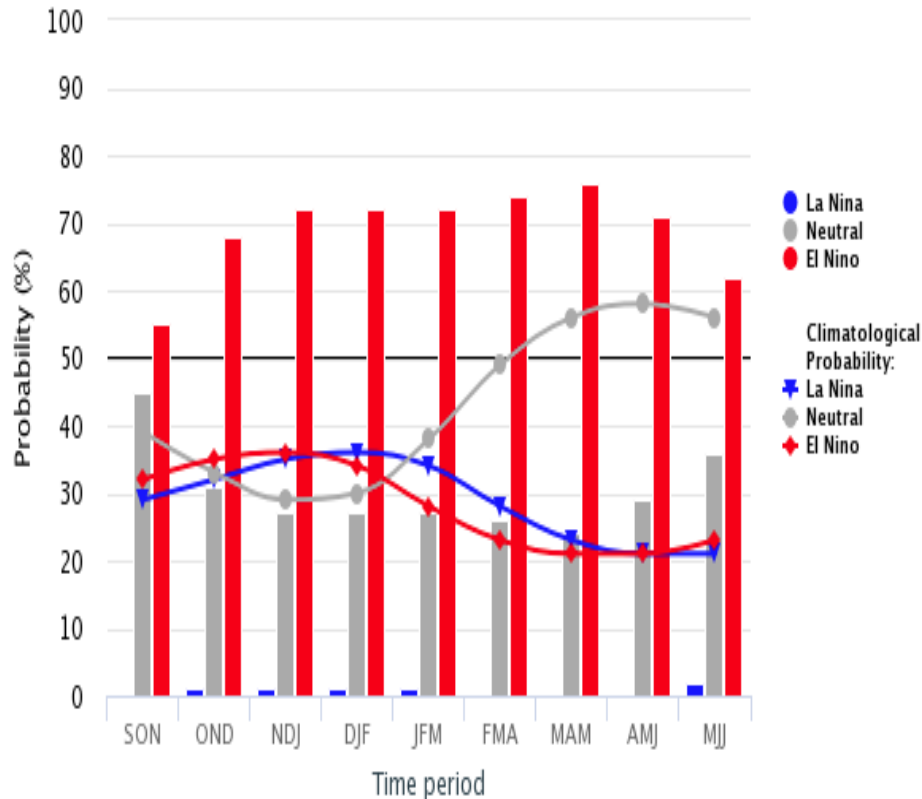
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

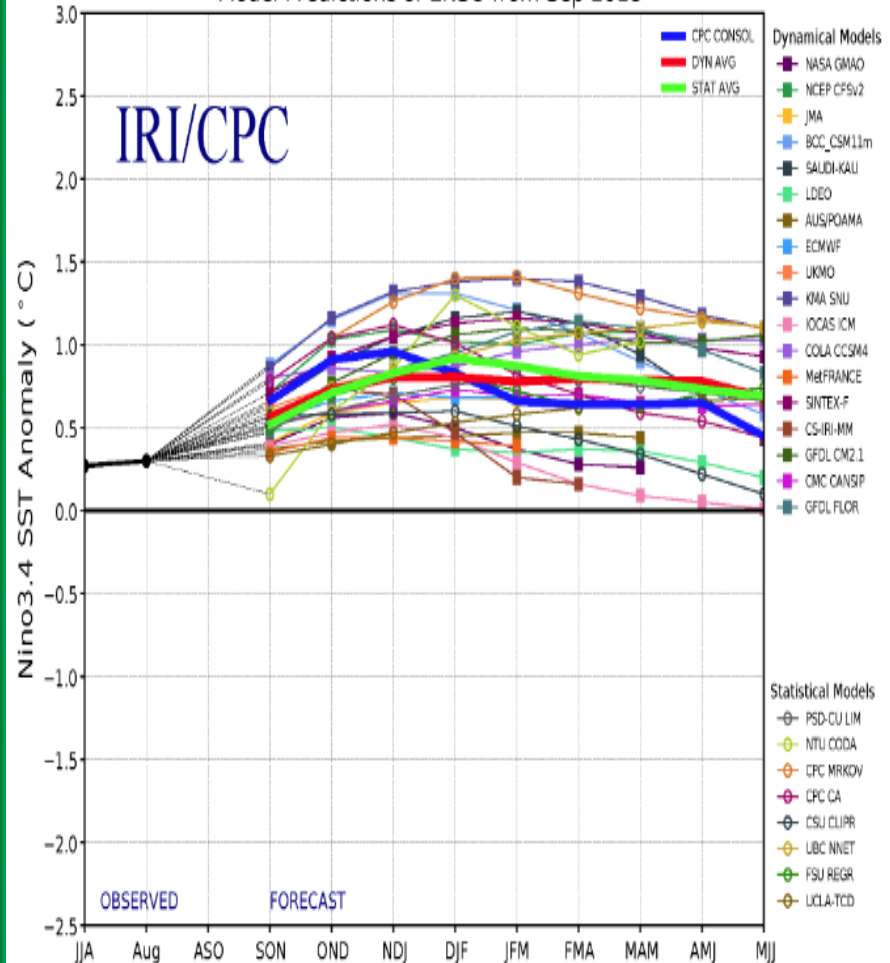
ENSO IS NOW IN NEUTRAL AND WILL LIKELY CHANGE TO EL NIÑO PHASE WITHIN NEXT FEW MONTHS

Mid-Sep IRI/CPC Model-Based Probabilistic ENSO Forecasts

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



Model Predictions of ENSO from Sep 2018

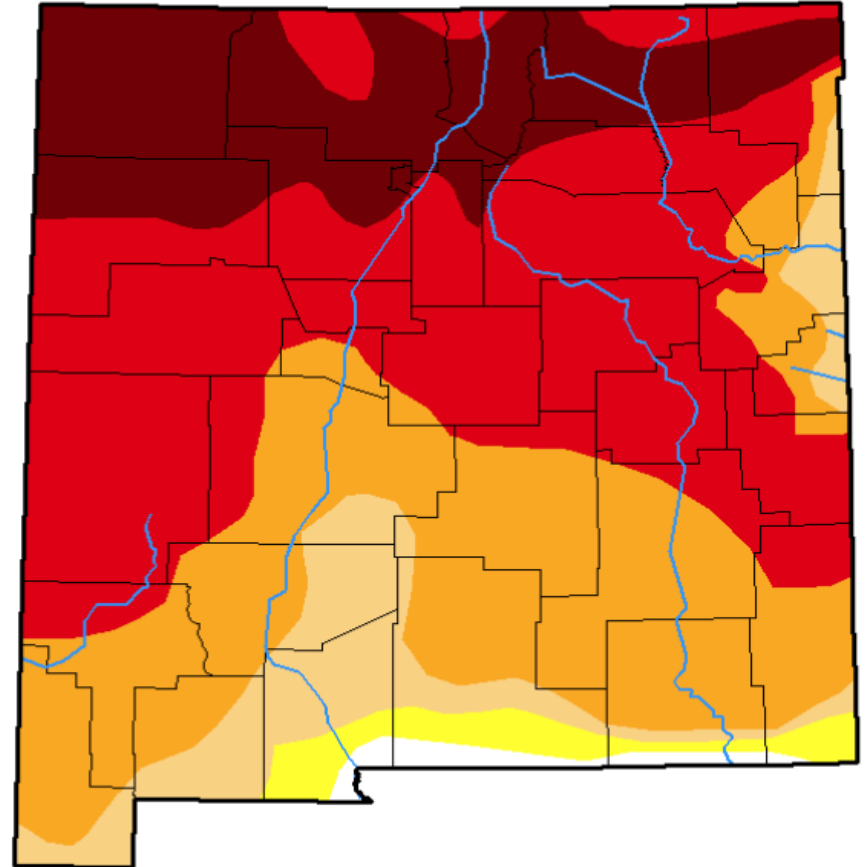
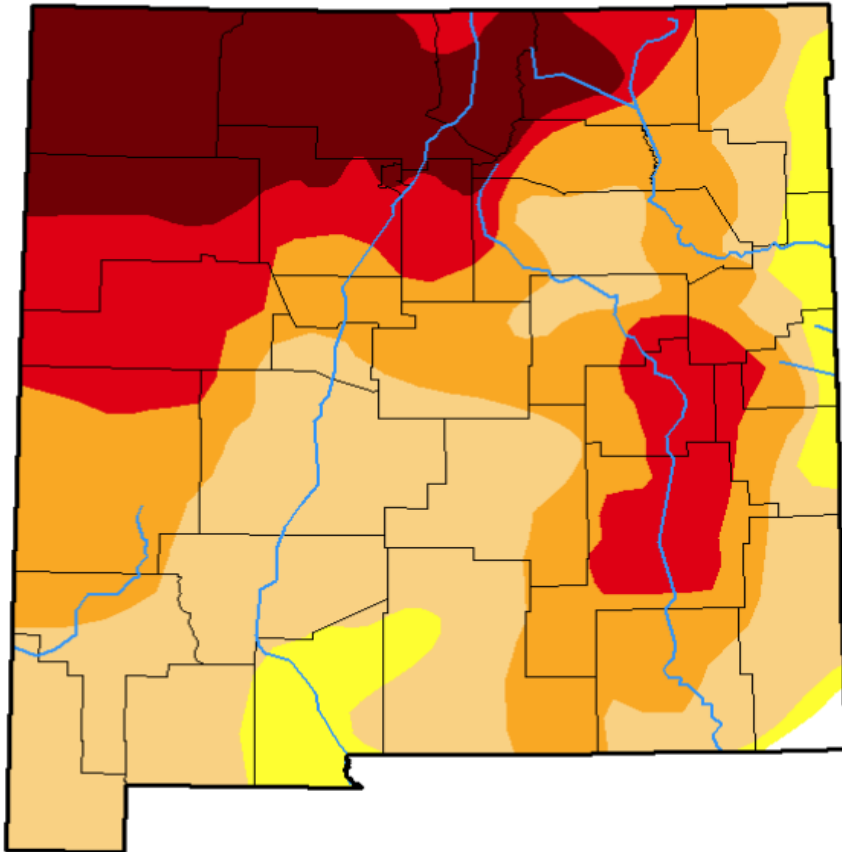


Current drought conditions for New Mexico and 3 month change

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






September 25, 2018

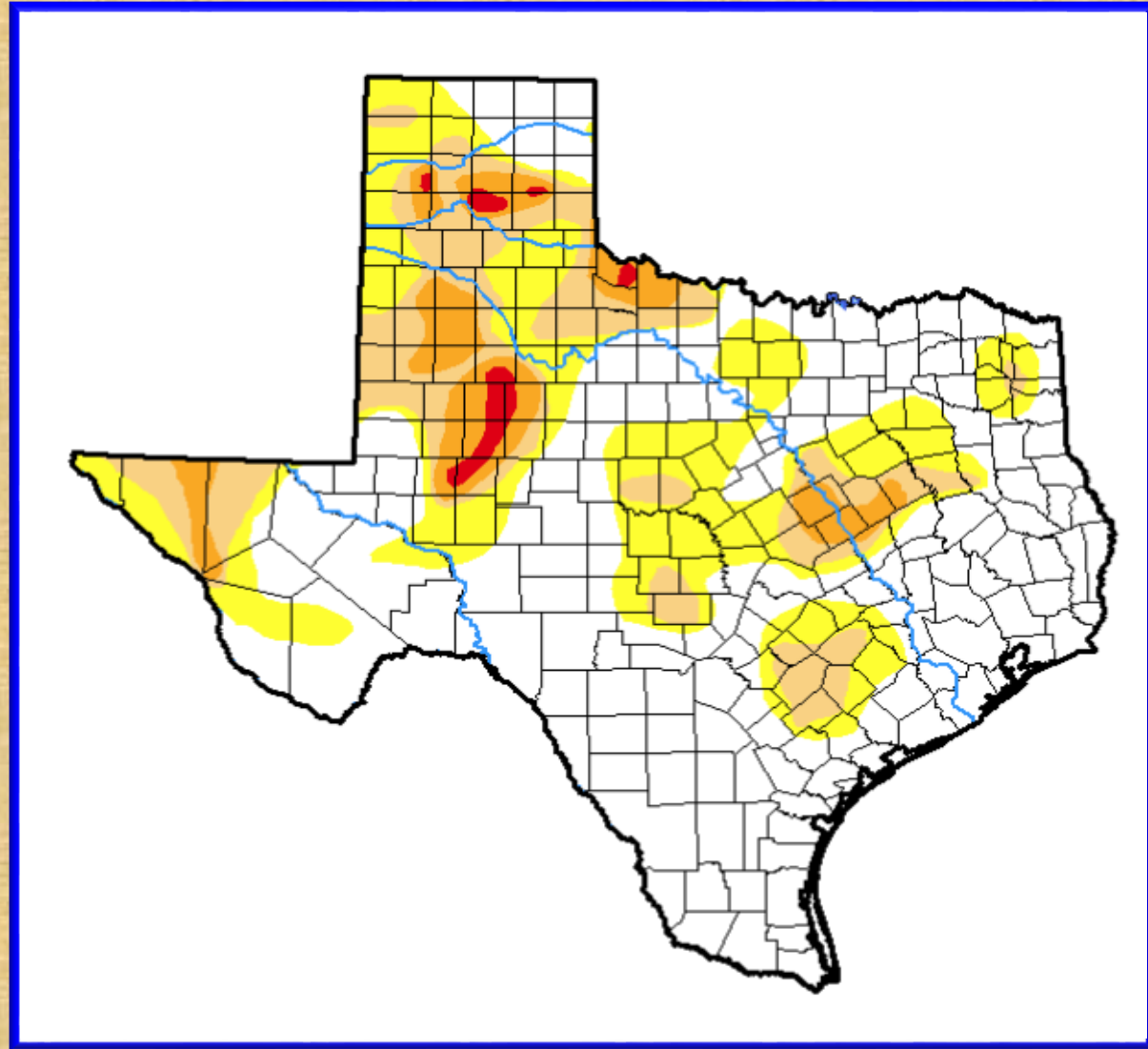
June 26, 2018



Current drought conditions for Texas as of September 25, 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:

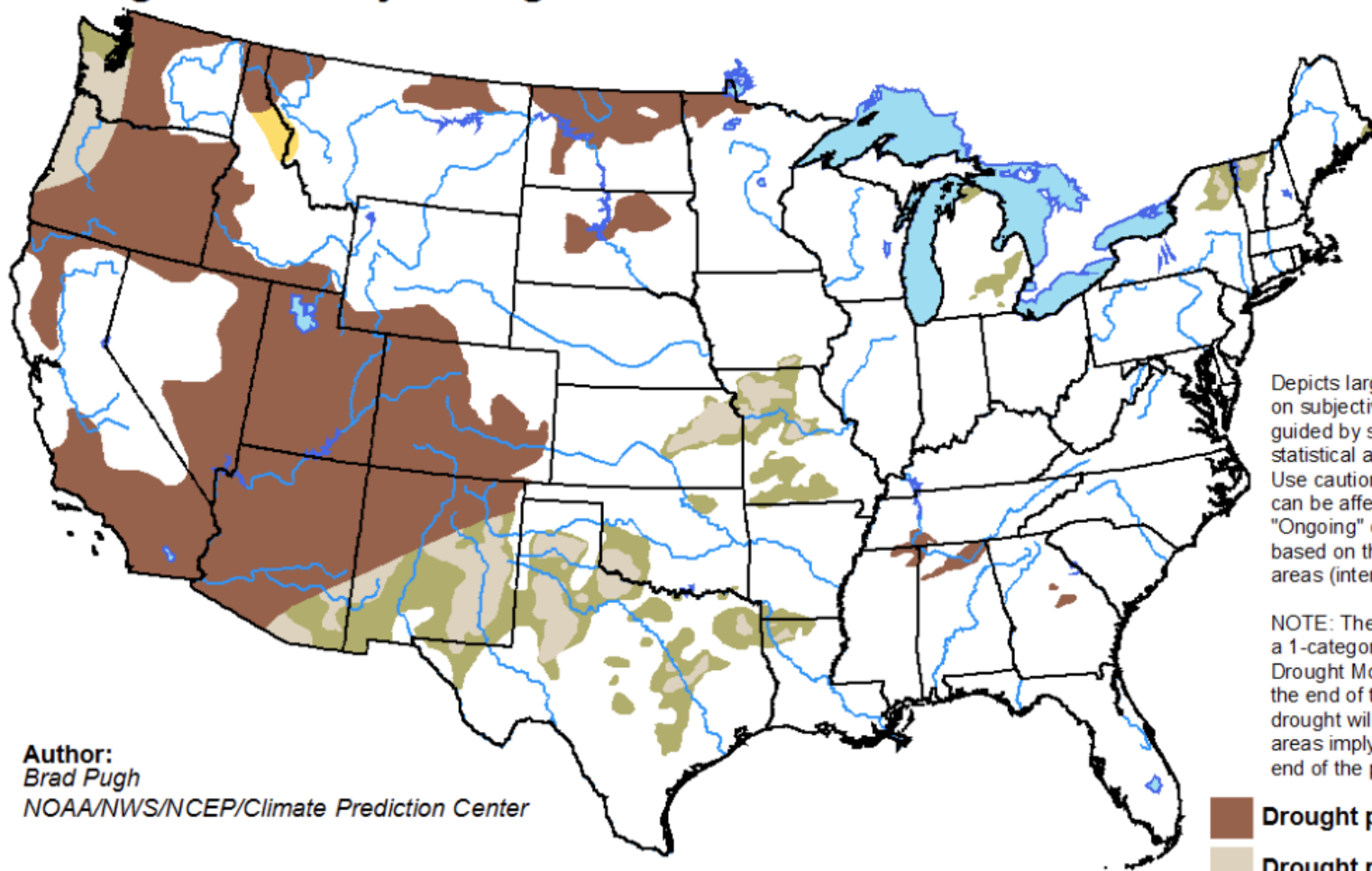
<http://droughtmonitor.unl.edu/Maps/ComparisonSlider.aspx>

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for September 20 - December 31, 2018





Released September 20, 2018

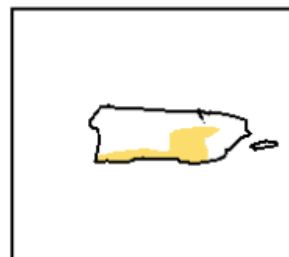
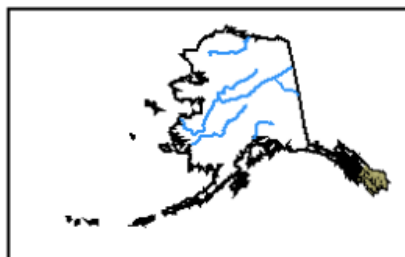


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

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

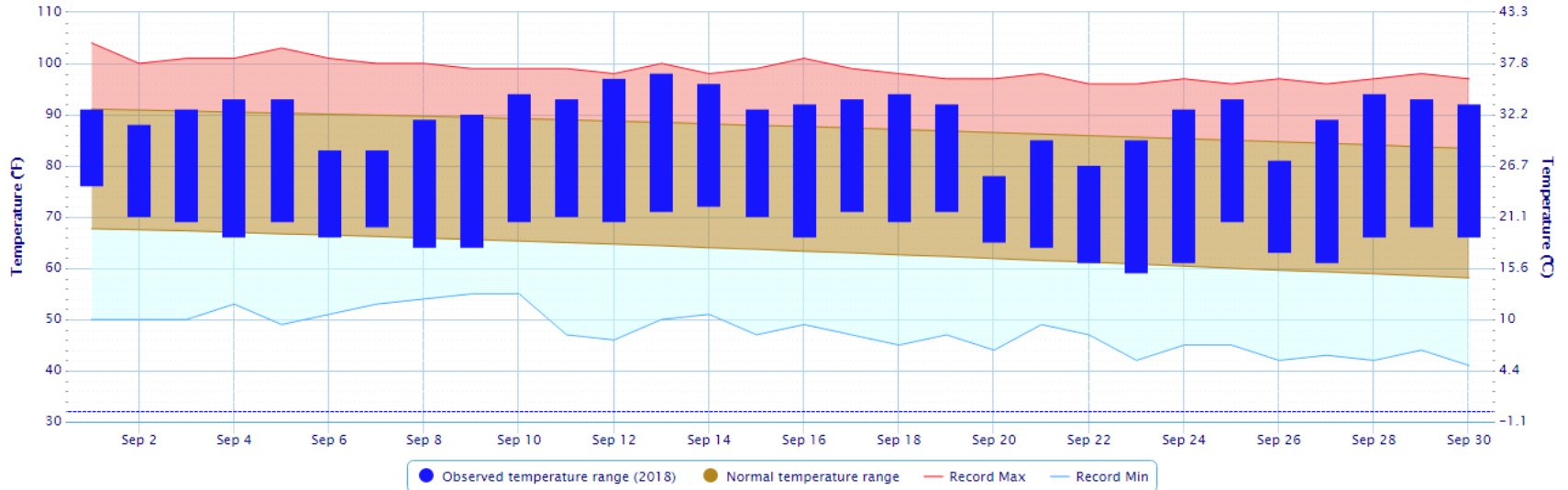


<http://go.usa.gov/3eZ73>

Temperature and precipitation data for September 2018

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

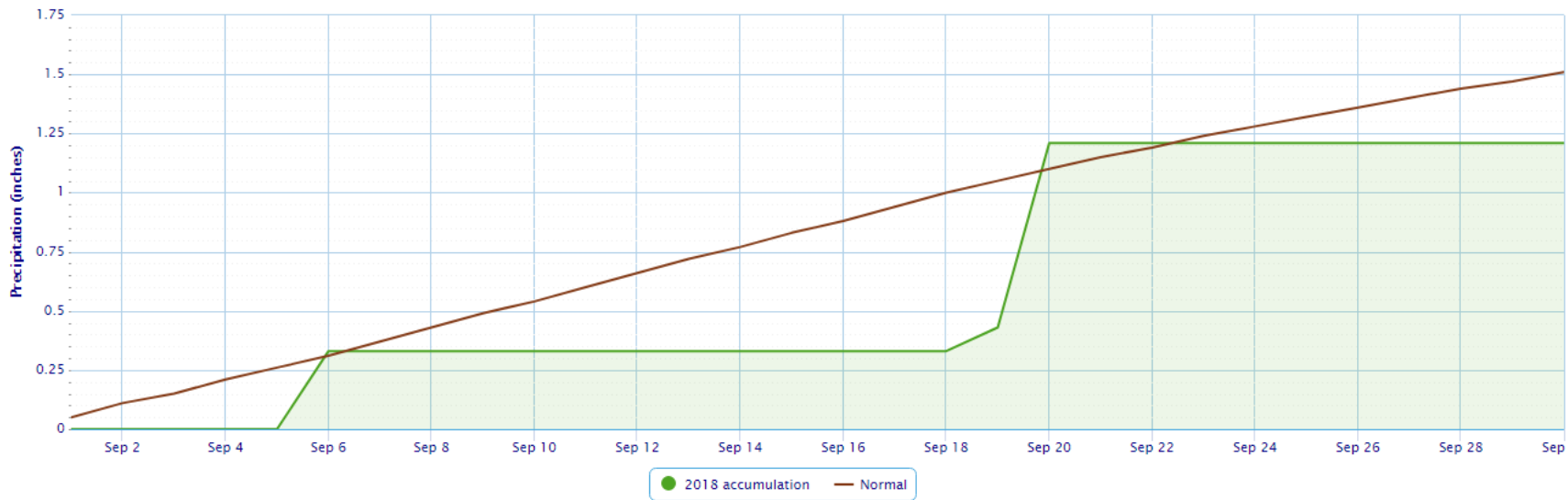
Period of Record – Max temperature: 1887-01-01 to 2018-10-01; Min temperature: 1879-01-01 to 2018-10-01. Normals period: 1981-2010. Click and drag to zoom chart.



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



Powered by ACIS

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



El Paso TX - 2018

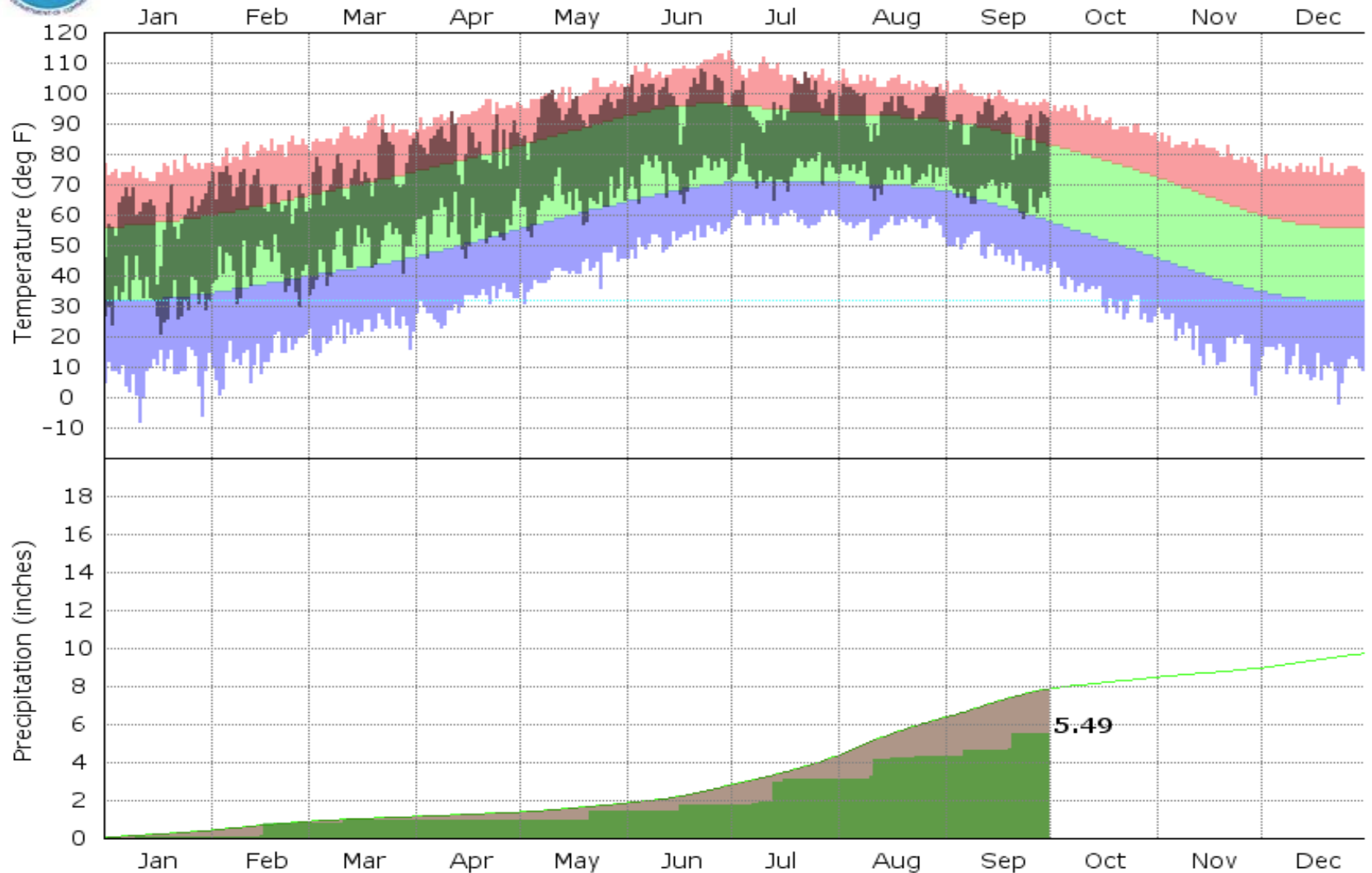
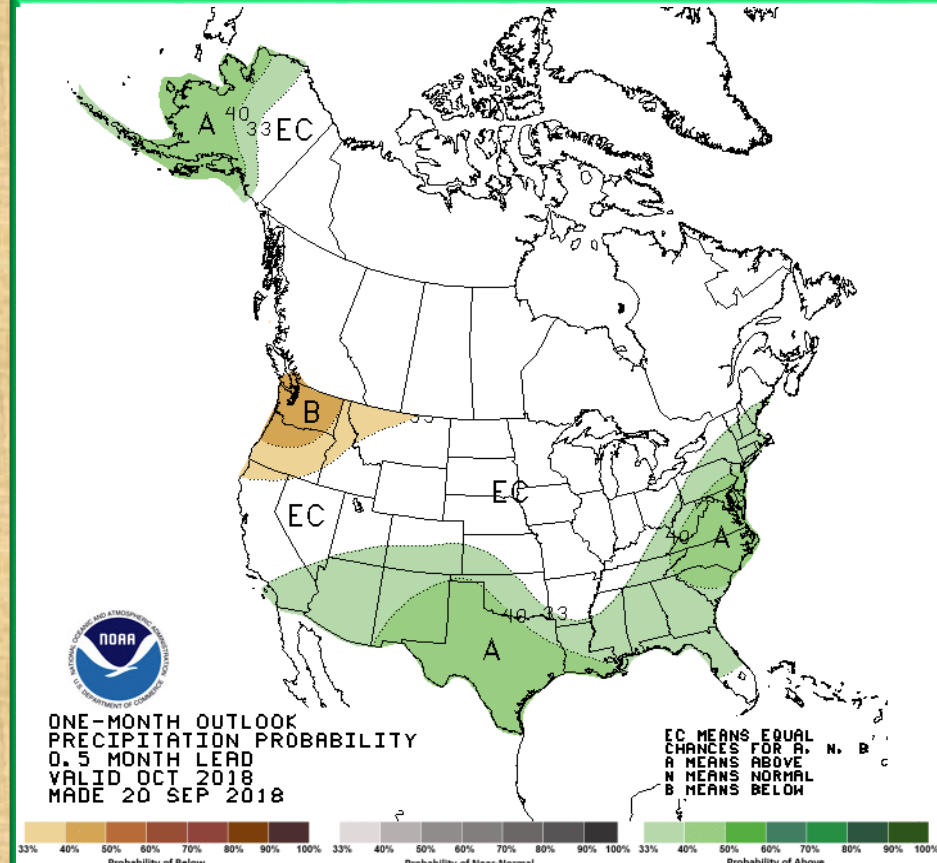
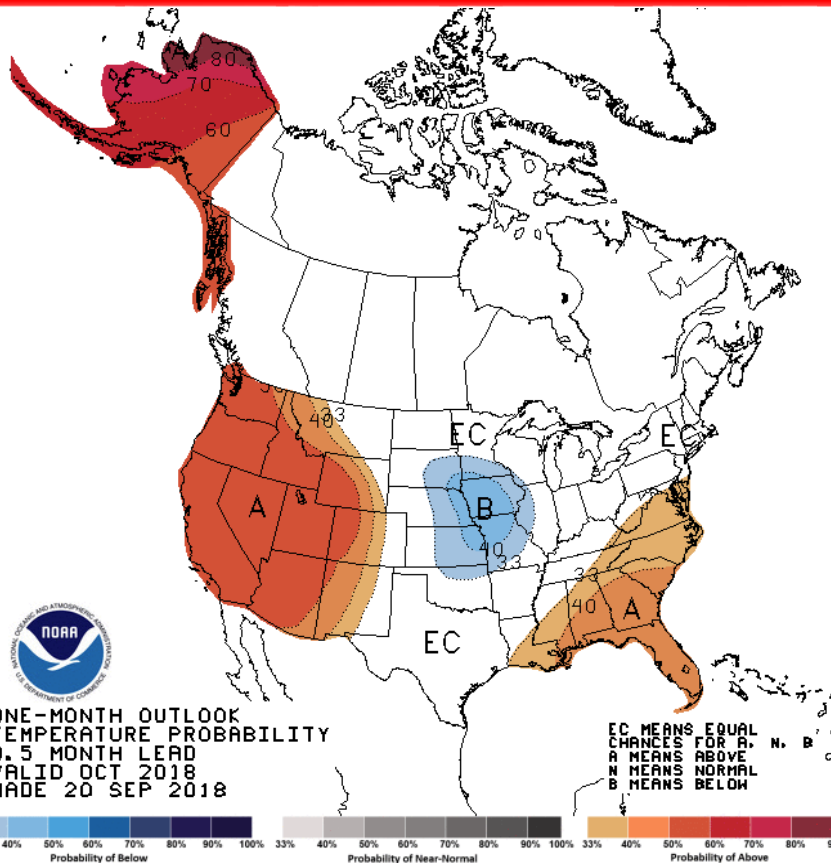


Image created: Mon, 1 Oct 2018 23:08 GT

Temperature and precipitation outlook for October 2018

Temperature

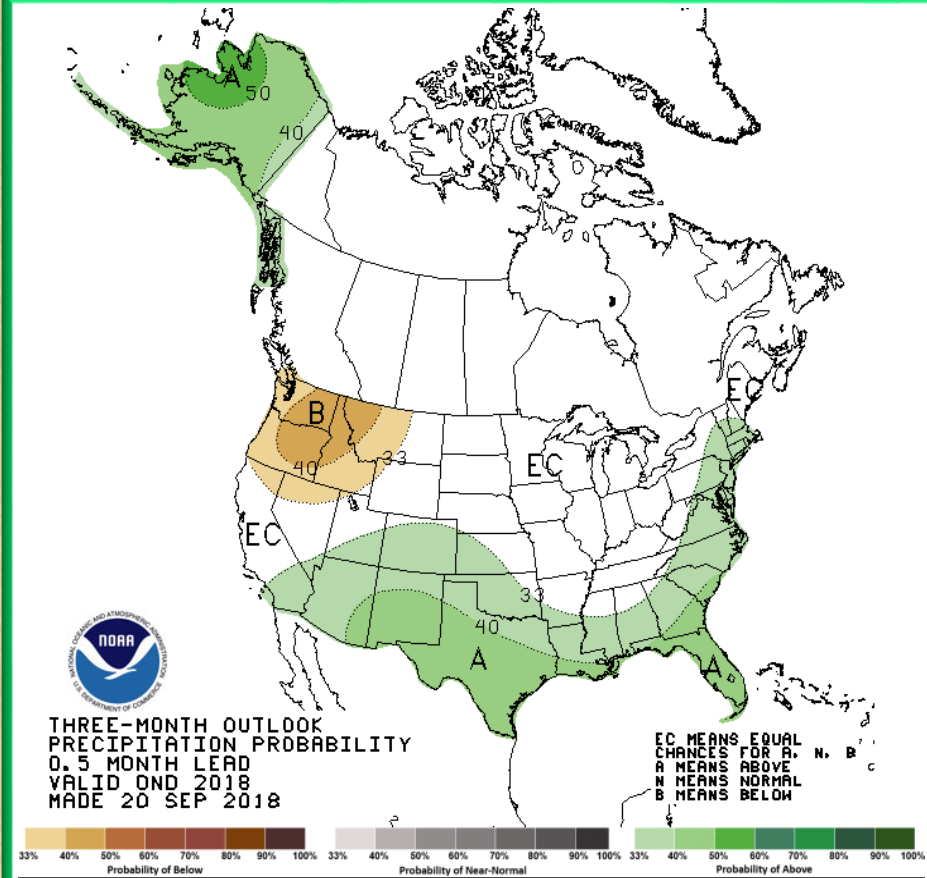
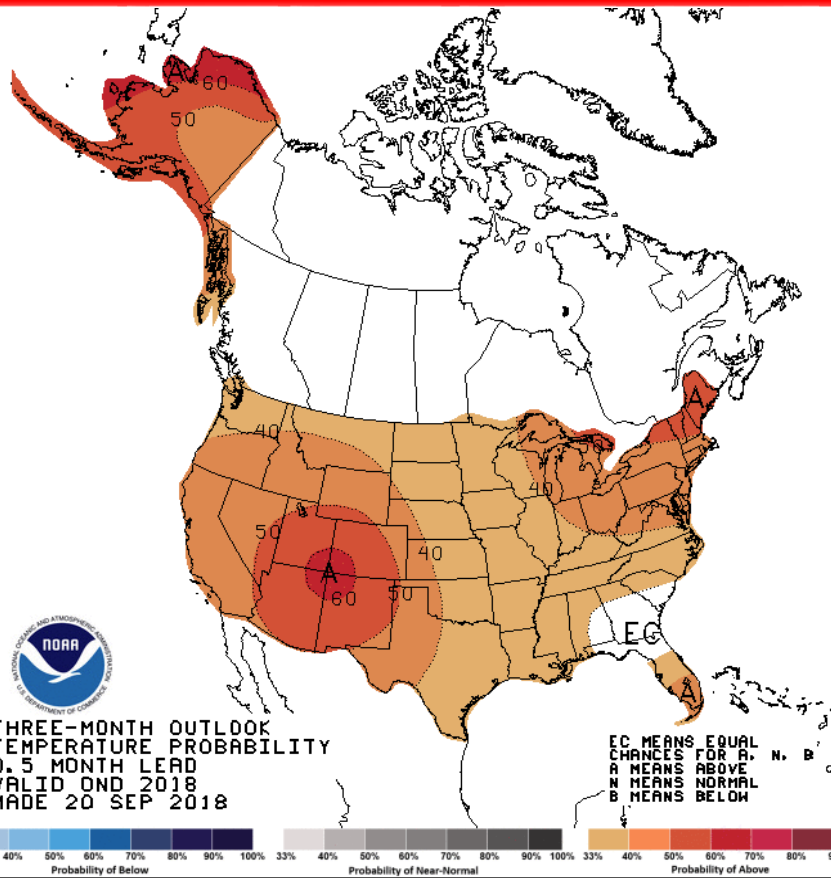
Precipitation



Temperature and precipitation outlook For Oct-Dec 2018

Temperature

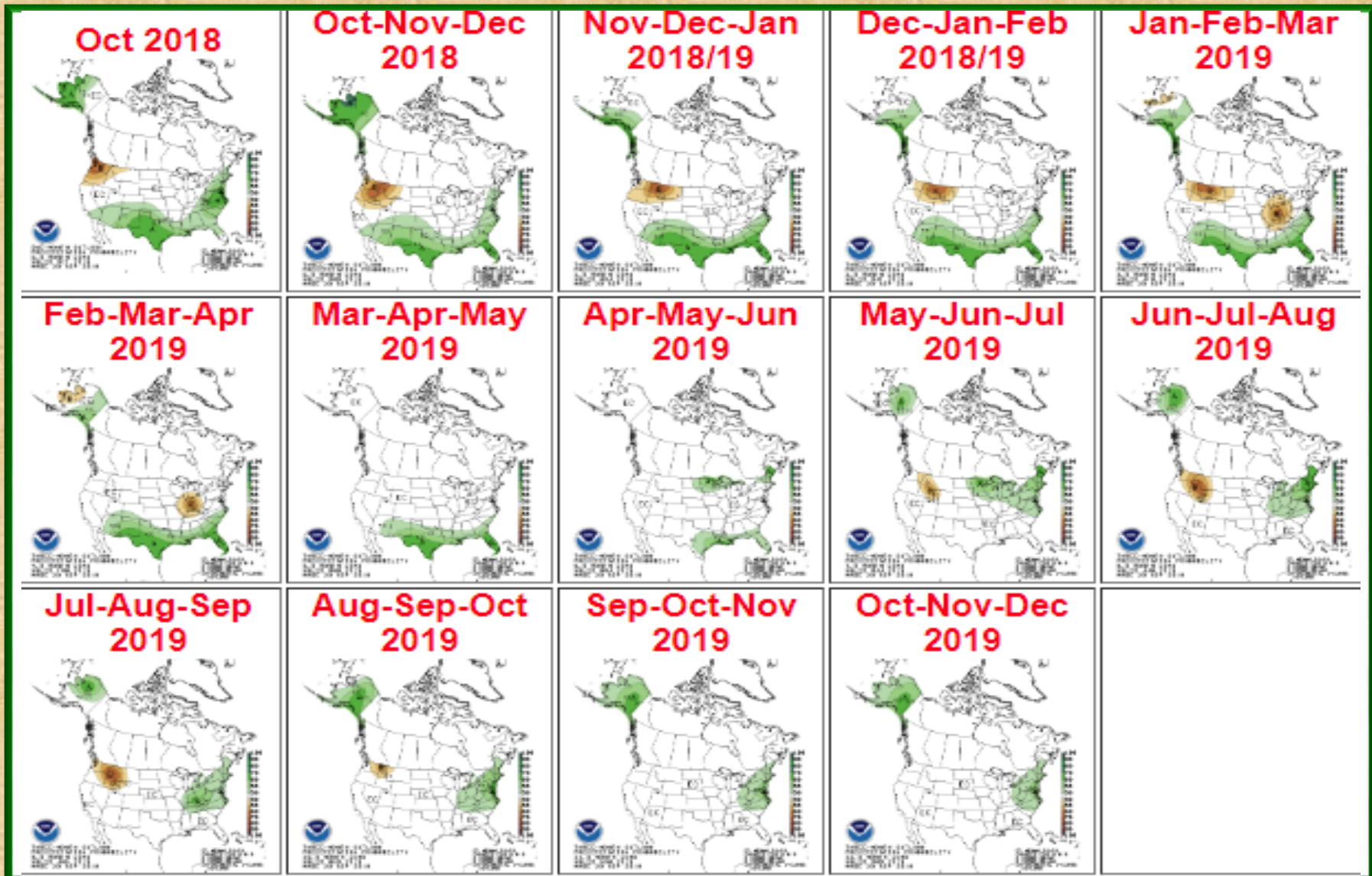
Precipitation



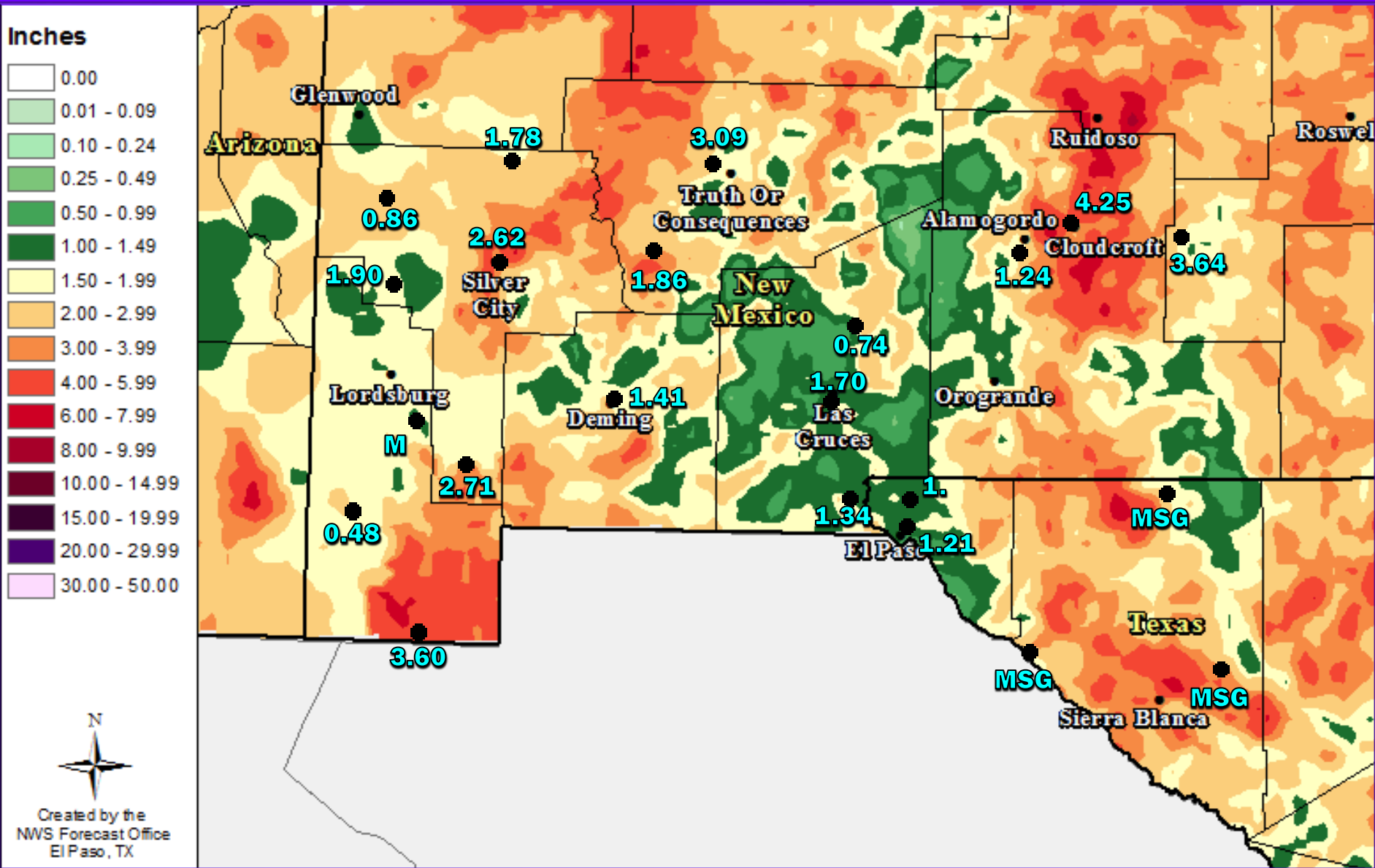
Temperature Outlook Through December 2019



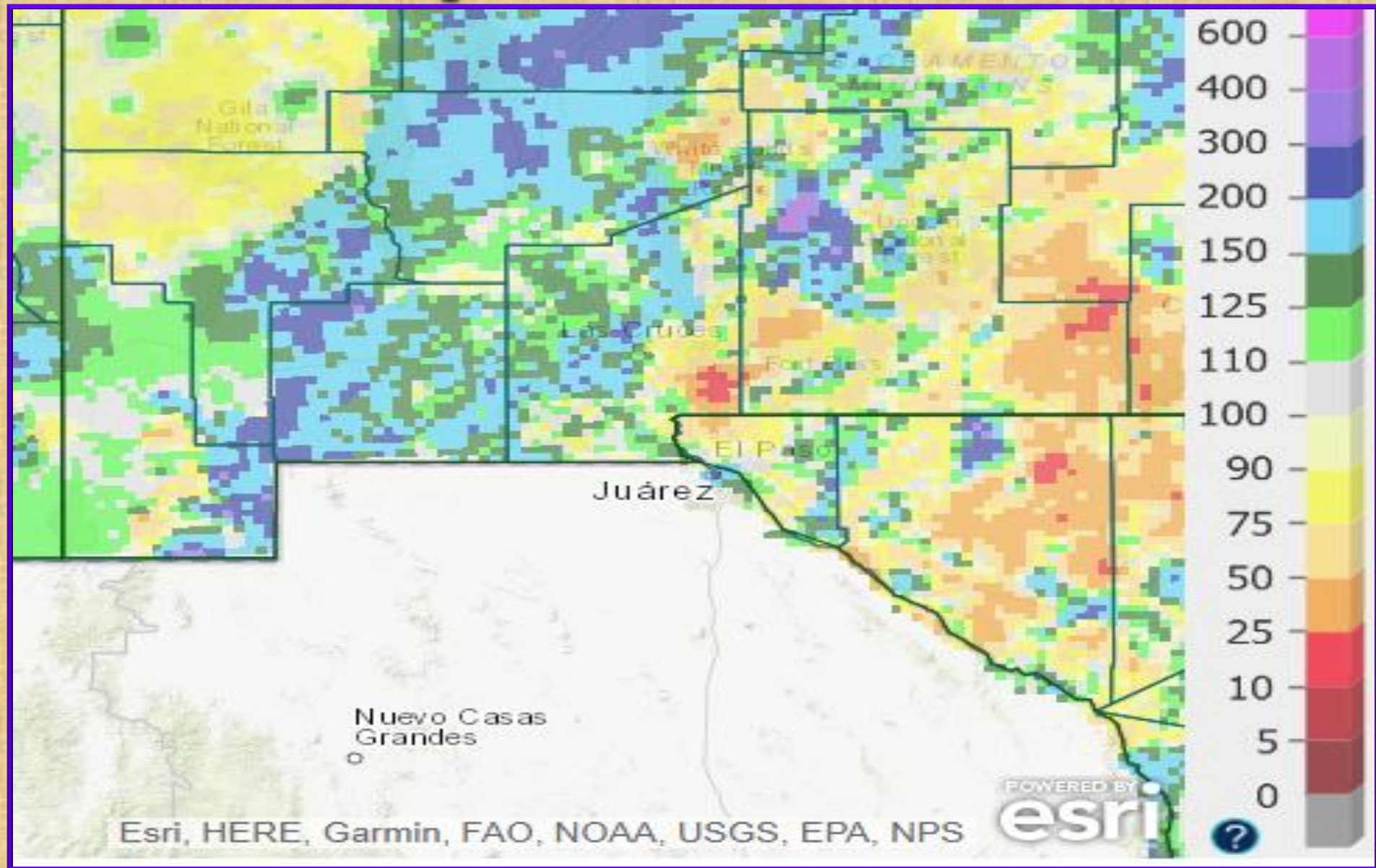
Precipitation Outlook Through December 2019



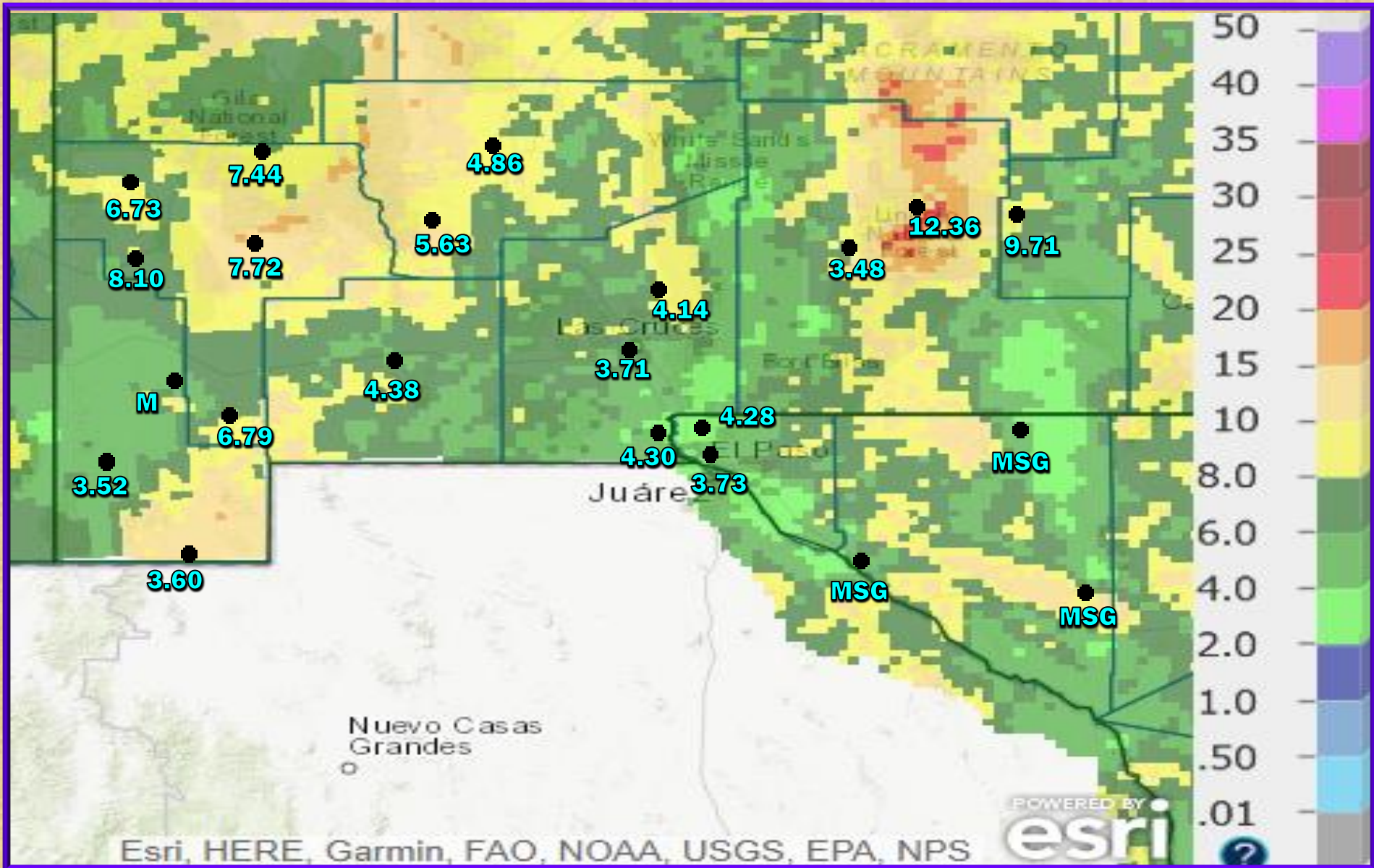
September 2018 radar rainfall estimate with surface rainfall reports



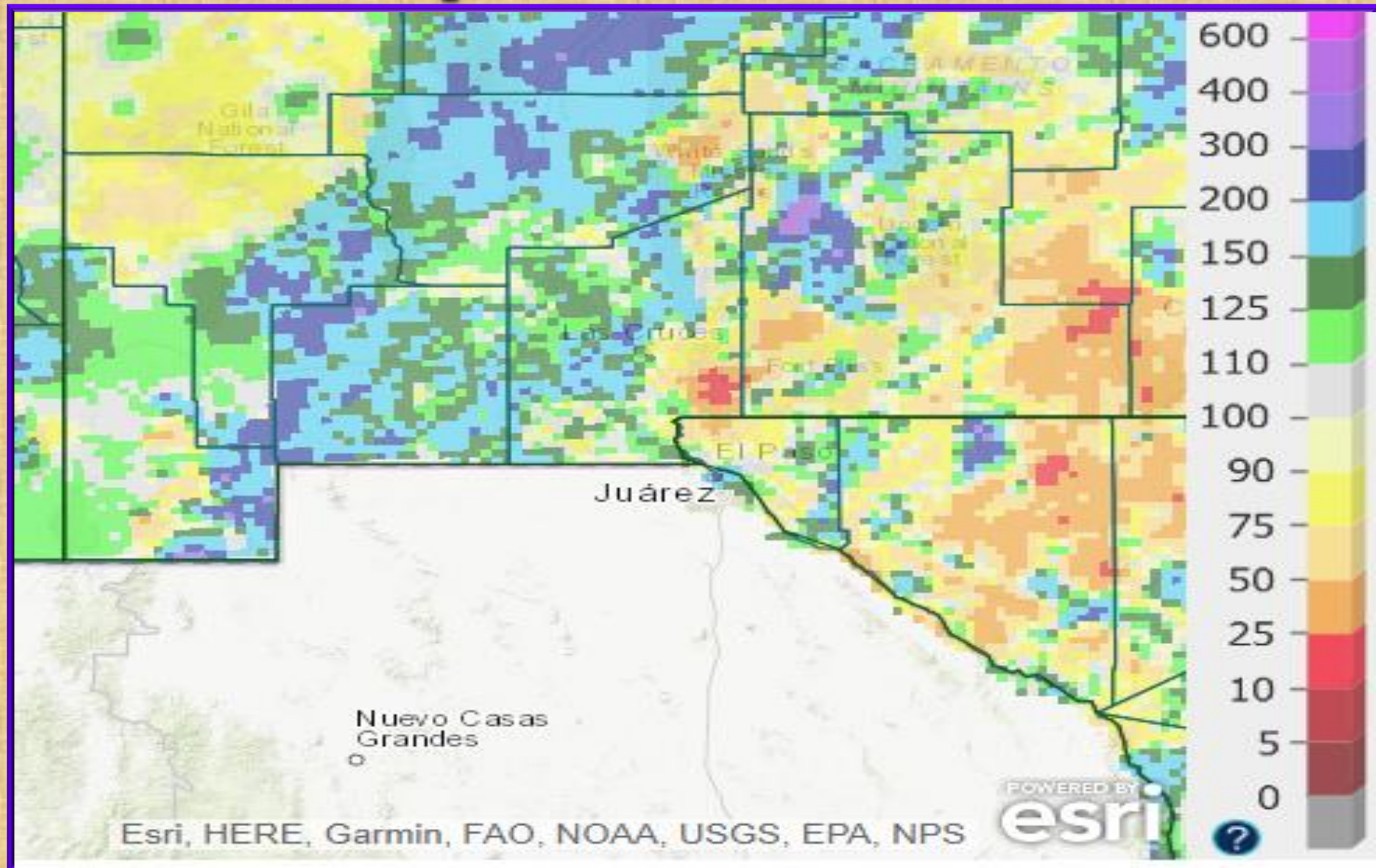
September 2018 radar rainfall estimate percent of normal



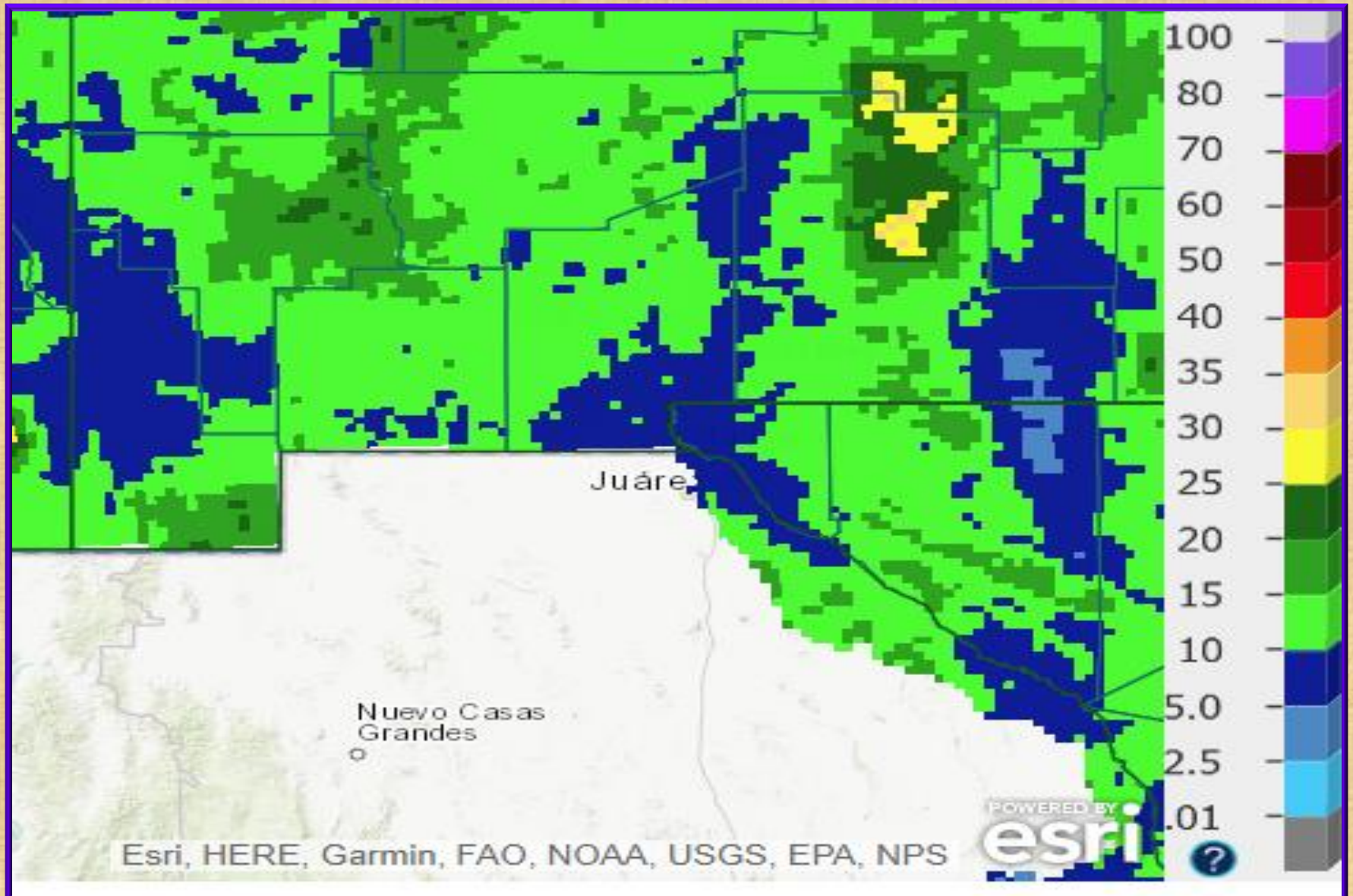
Monsoon (June-September) 2018 radar Rainfall Estimate



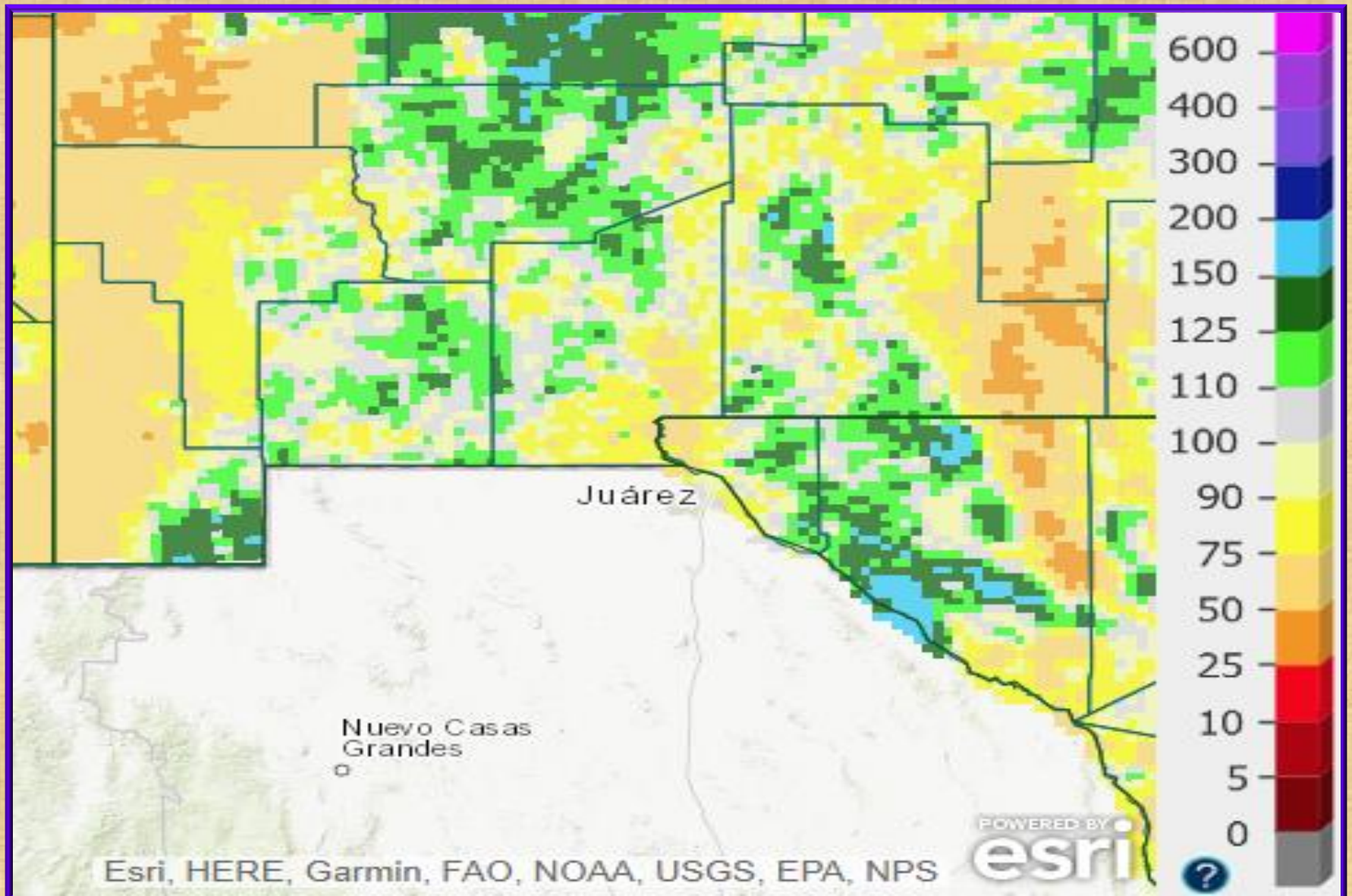
Monsoon (June-September) 2018 radar percent of normal



Oct 1 through Sep 30 (Water Year) Rainfall Estimate



Oct 1 through Sep 30 (Water Year) Percent of Normal

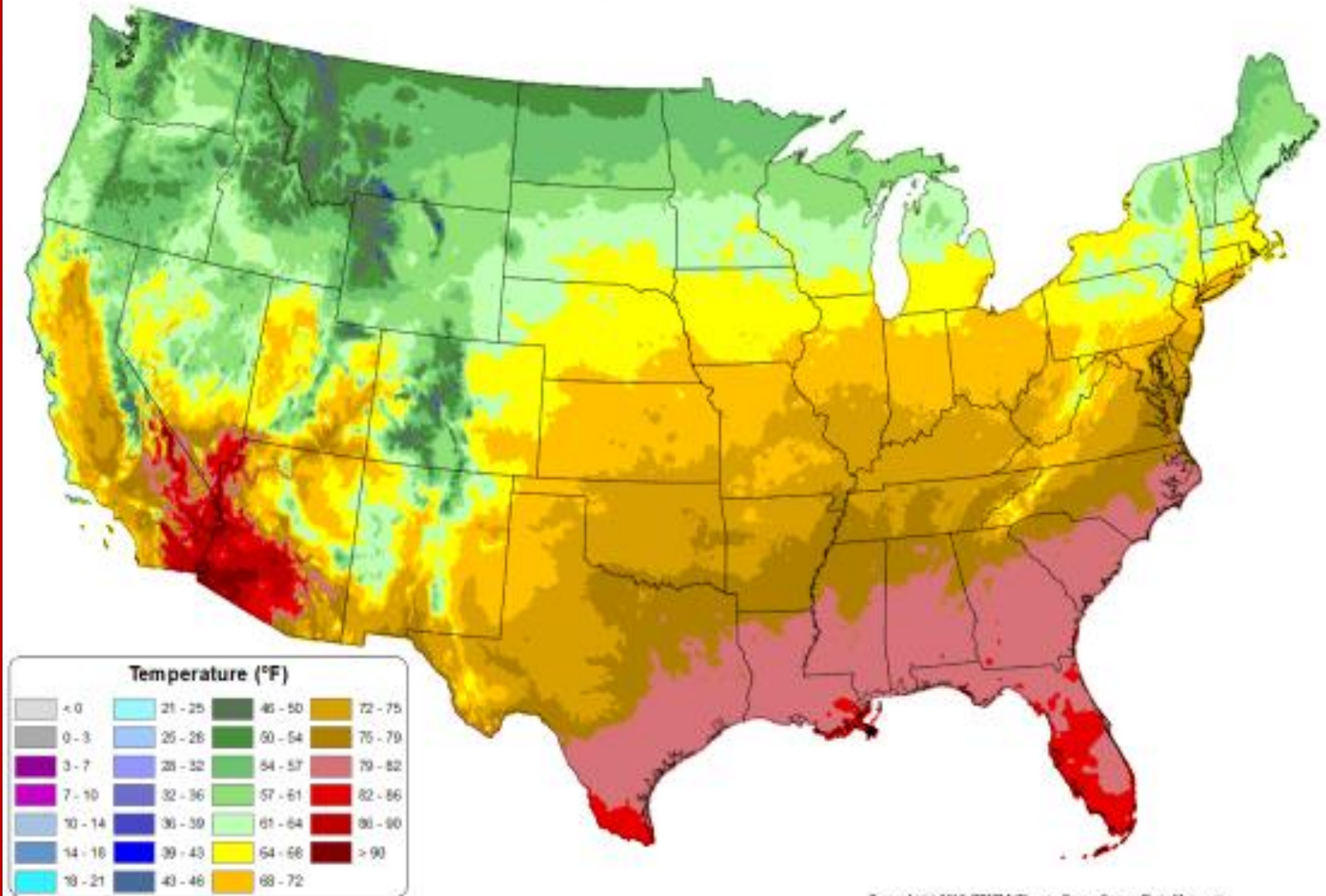


Average Daily Mean Temperature for September 2018

Average Daily Mean Temperature: Sep 2018

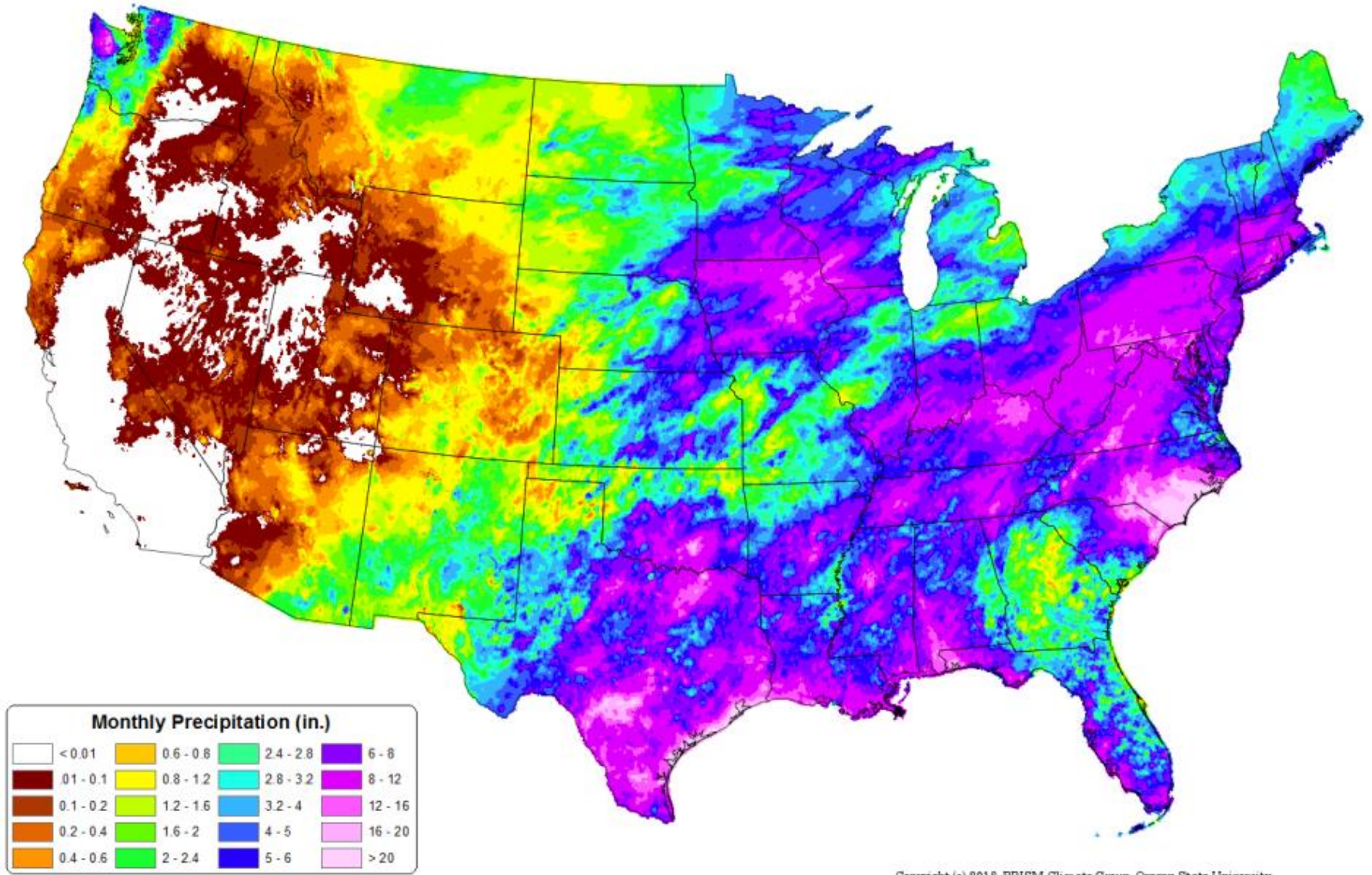
Period ending 7 AM EST 30 Sep 2018

(Map created 02 Oct 2018)



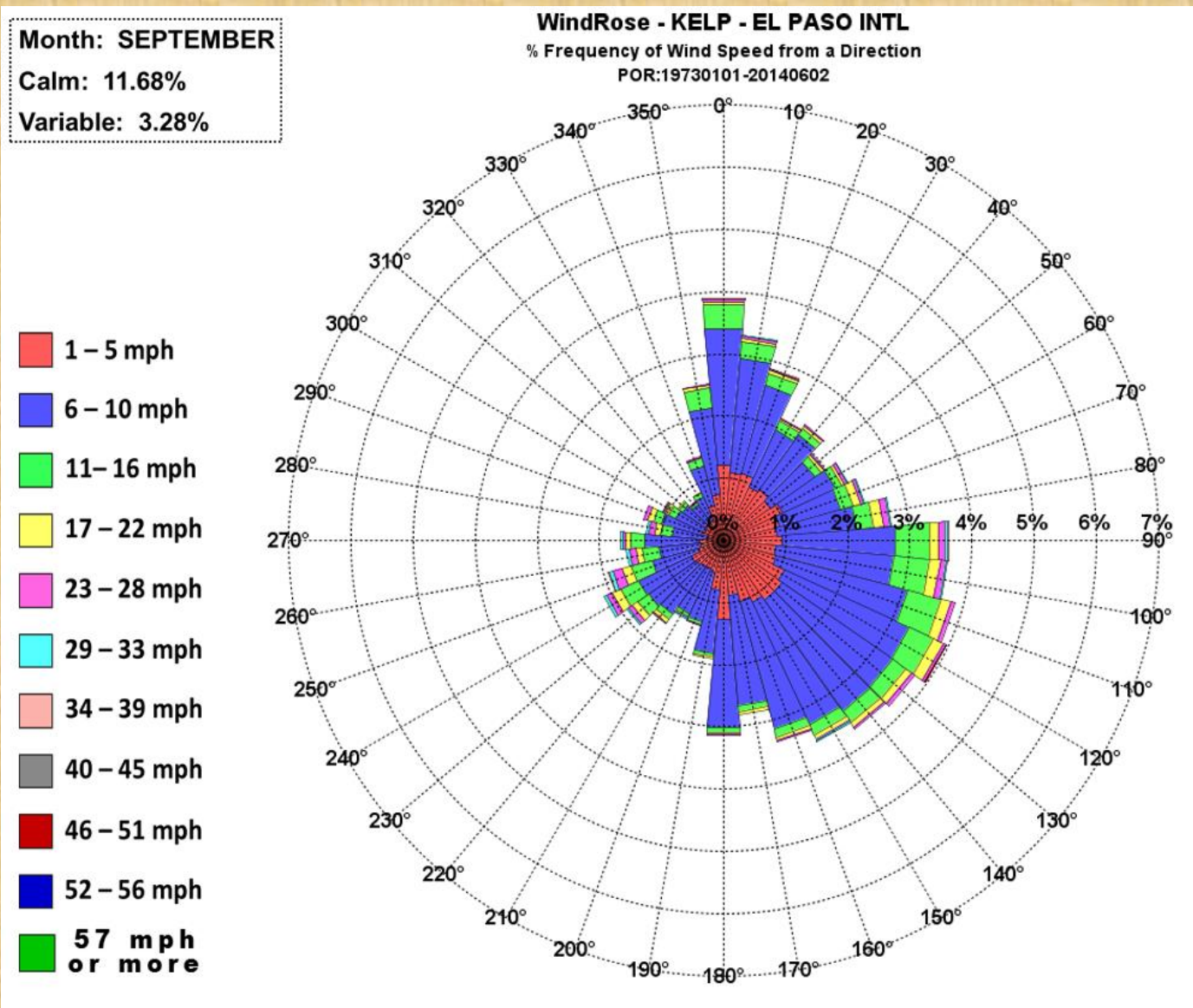
Total Precipitation for September 2018

Total Precipitation: Sep 2018
Period ending 30 Sep 2018
(Map created 02 Oct 2018)



Special Features

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



Selected weather reports September 2018

Date/Time	Location (County)	Event
SEP 1 600 PM	CLIFF 5NE-GRANT	0.75 INCH HAIL
SEP 2 200 PM	MESCALERO-OTERO	FLASH FLOODING AROUND TOWN
SEP 5 1115 PM	LAS CRUCES-DONA ANA	MINOR FLOODING HWY 70
SEP 6 1220 AM	SANTA TERESA 1NW-DONA ANA	1.14 INCH RAIN
SEP 6 155 AM	SANTA TERESA JETPORT-DONA ANA	1.02 INCH RAIN

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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City, ST

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Remember Me

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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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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.

NWS DOPPLER RADAR
WATCHING THE MONSOON SKIES OVER EL PASO 24/7

