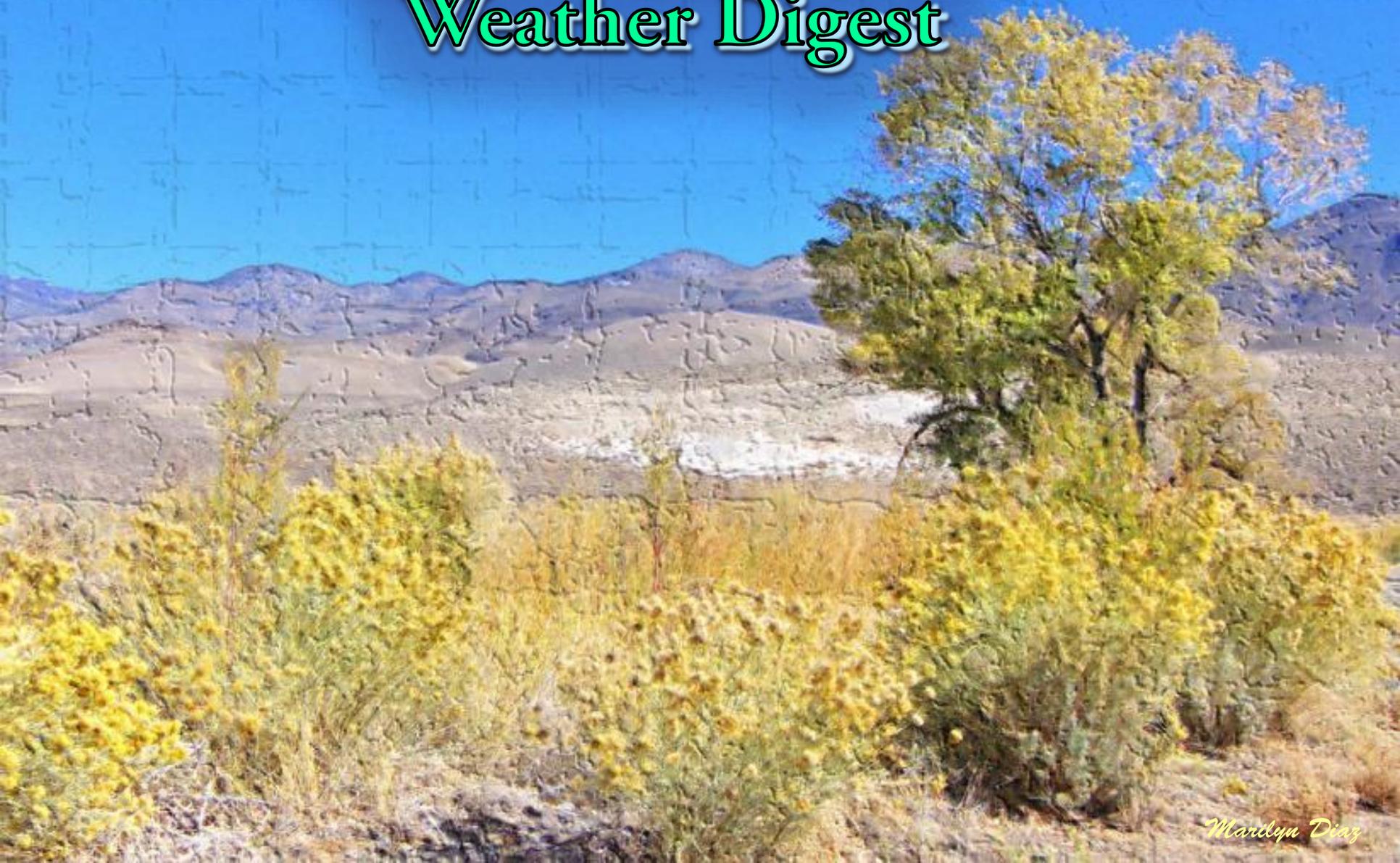


September 2019 Weather Digest



September 2019 Weather Summary

September ends the official Monsoon season and this Monsoon season was definitely a mixed bag for rainfall. For the month of September, the final rainfall totals show that much of the Rio Grande Valley from El Paso north were below normal, while most of the area on either side of the valley was above normal. Helping the rain totals out were the remains of Hurricane Lorena, which moved up to the area on the 20th and 21st. However most of the rain was limited to areas east of El Paso.

Temperatures for September were once again above normal, mostly due to consistently warm overnight lows. The lows were so warm that many mountain sites that average their first freeze of the season in late September, did not experience one this September.

Recapping the Monsoon season, overall the rainfall totals were not too bad, as much of southern New Mexico and west Texas were above normal. Unfortunately, the greater El Paso metro area was significantly below normal, giving the appearance of a disappointing Monsoon season. Much of the metro area was only at about 50 to 75 percent of normal. However, most of the area outside of the metro area ended up

September 2019 Weather Summary, cont'd

at around 110 to 150 percent of normal.

What is in store for October? Well, we know it continues to cool. El Paso's average high temperature on the 1st is 83 degrees, while on the last day of the month the average high is 73. Daylight continues its downward trend, beginning at 11 hours and 51 minutes of daylight, and ending the month at 10 hours and 56 minutes of daylight. Our full moon for the month occurs on the 13th.

**September 15 Severe
Thunderstorm near Lordsburg**



**September 15 Severe
Thunderstorm near Lordsburg**



**September 24 Landspout near
Sierra Blanca, TX**



**September 7 Thunderstorm
near El Paso**



September 27 near Las Cruces



September 27 near El Paso



September Lightning Show

September 7 Las Cruces



September 9



September 13



September 27 Vado

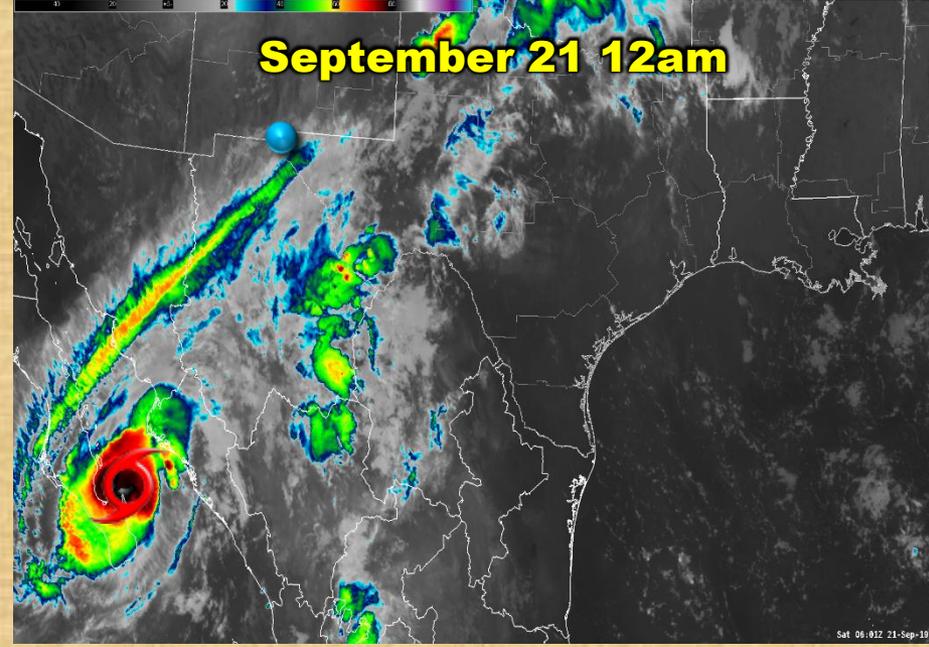


Hurricane Lorena Sep 21-22

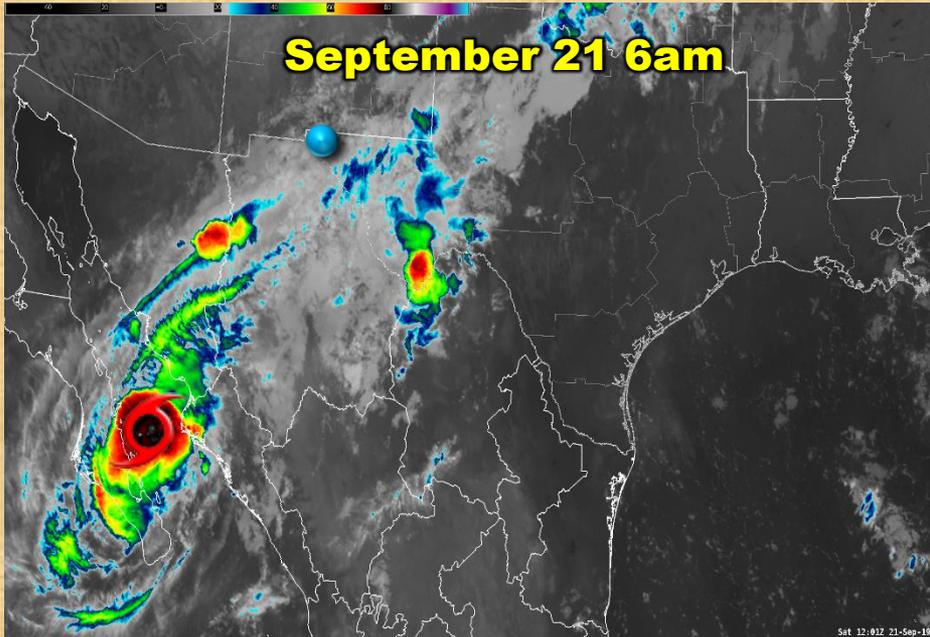
September 20 6pm



September 21 12am



September 21 6am

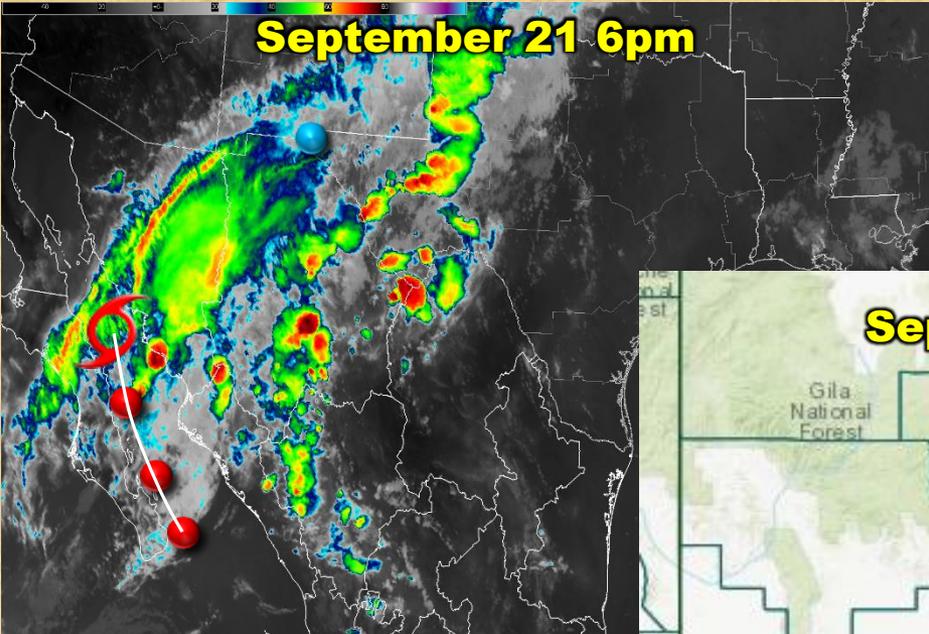


September 21 12pm

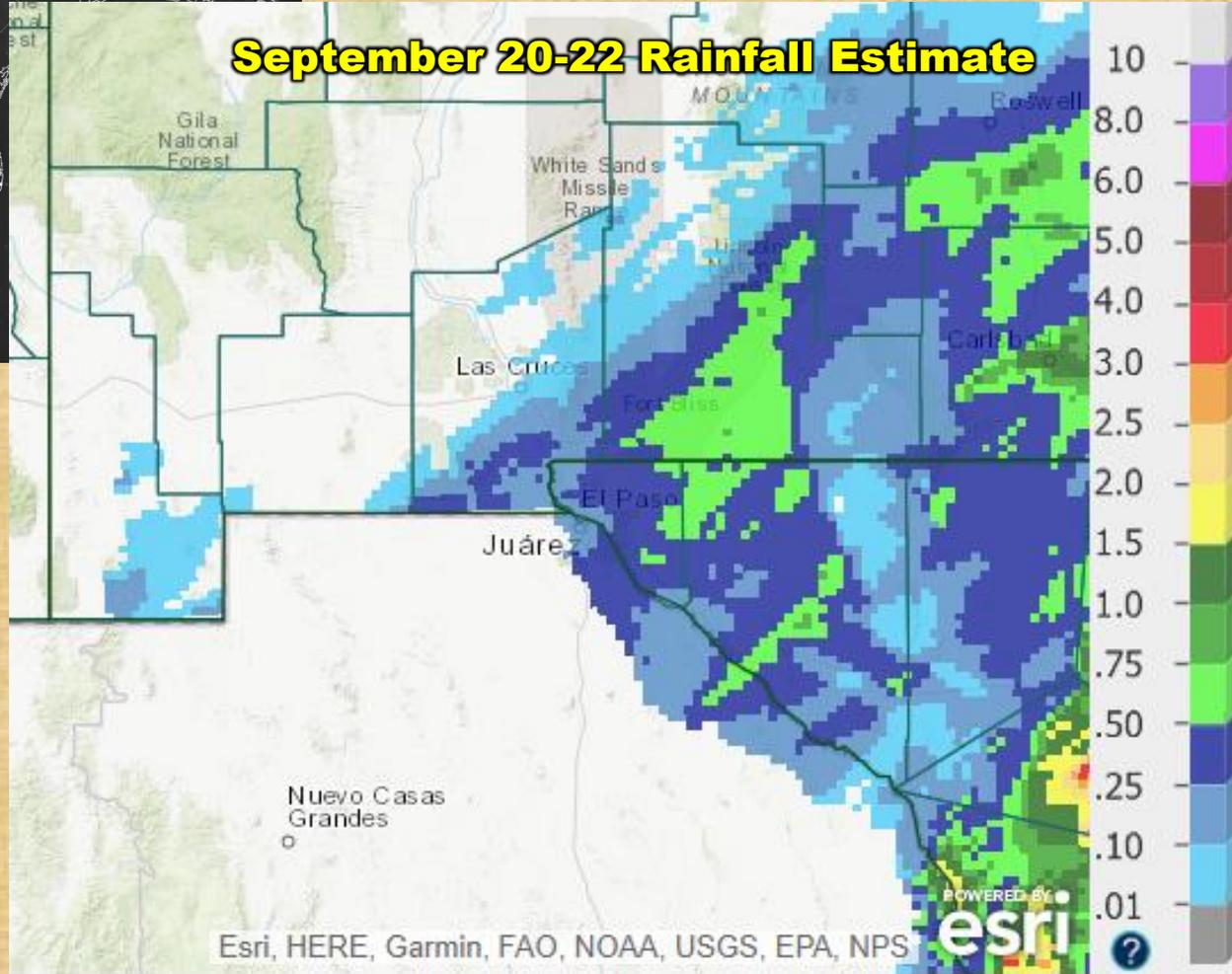


Hurricane Lorena Sep 21-22

September 21 6pm



September 20-22 Rainfall Estimate



ENSO conditions are neutral-alert system is not active

ENSO Alert System

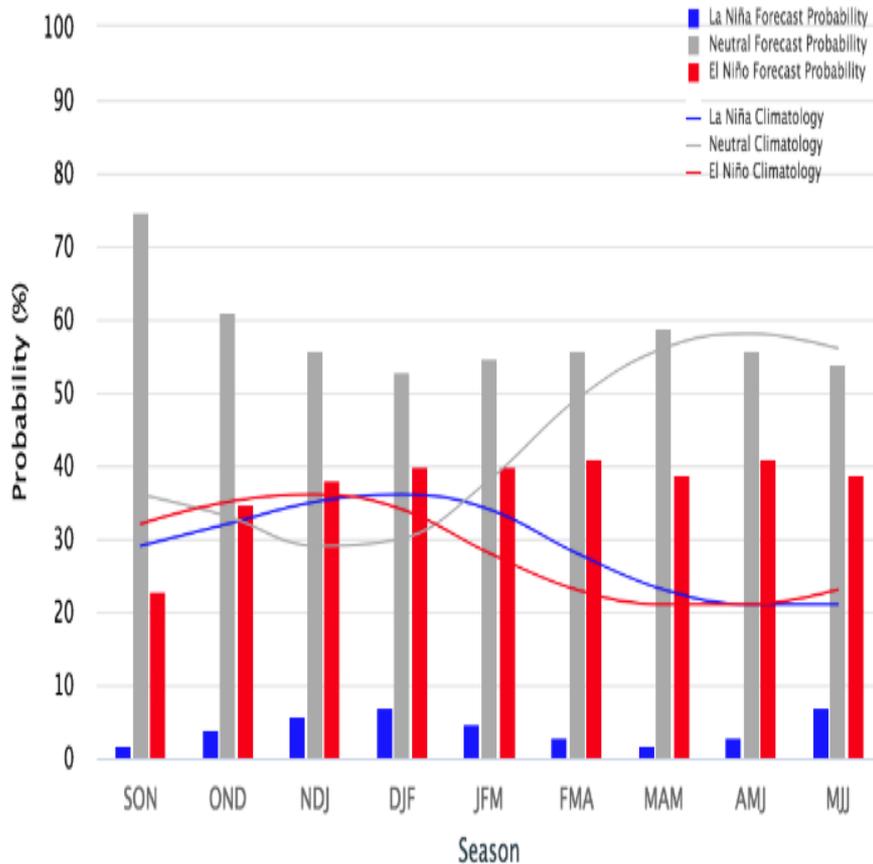
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

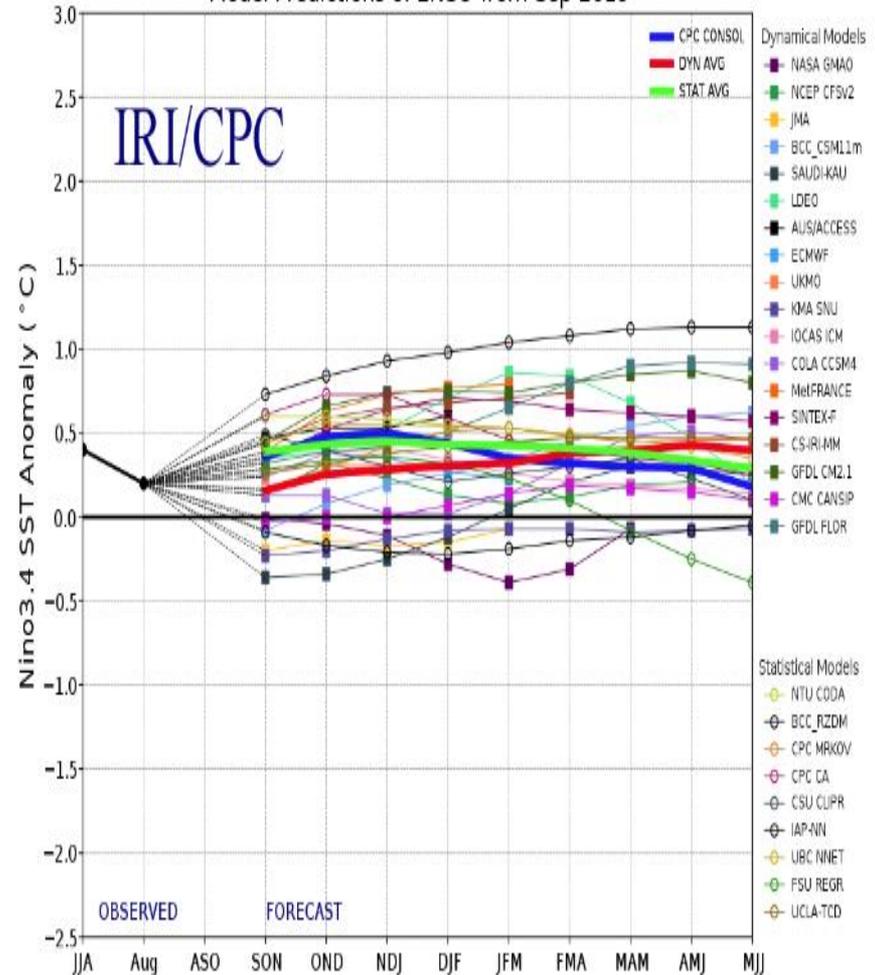
ENSO is now in a neutral phase and is expected to remain that way through the winter

Mid-September 2019 IRI/CPC Model-Based Probabilistic ENSO Forecasts

ENSO state based on NINO3.4 SST Anomaly
Neutral ENSO: -0.5°C to 0.5°C



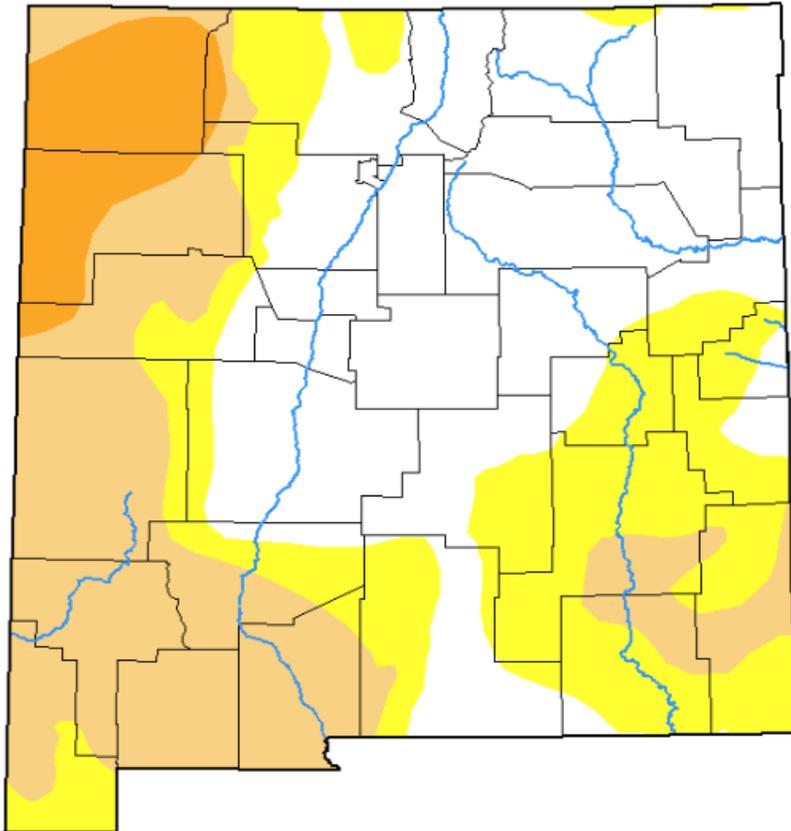
Model Predictions of ENSO from Sep 2019



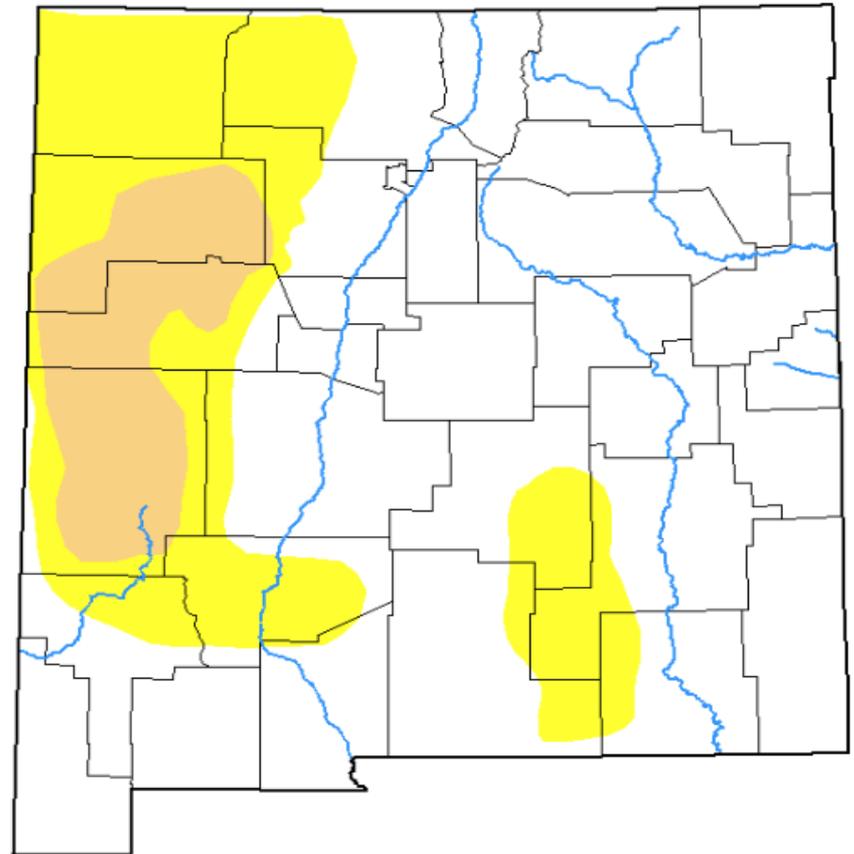
Current drought conditions for New Mexico and 3 month change

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

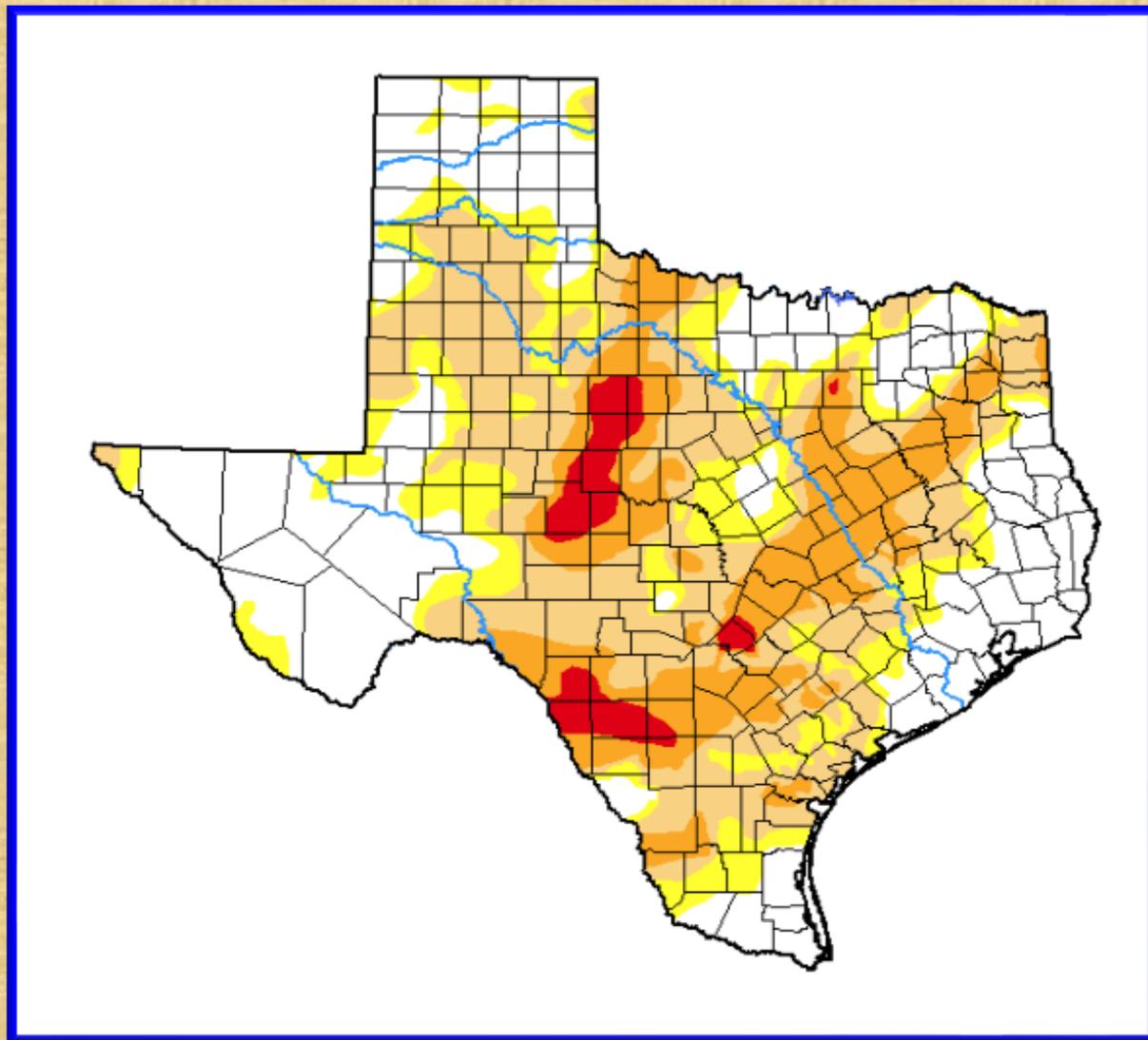
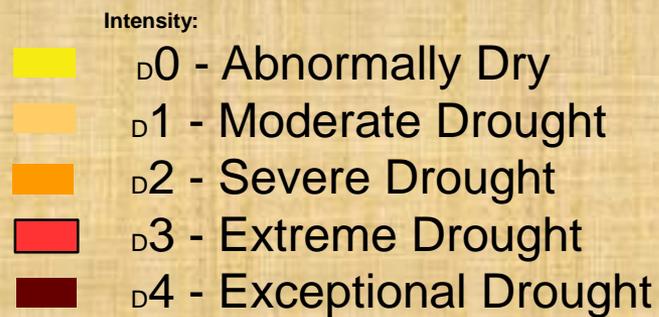
September 24 2019



June 25, 2019



Current drought conditions for Texas as of September 24, 2019



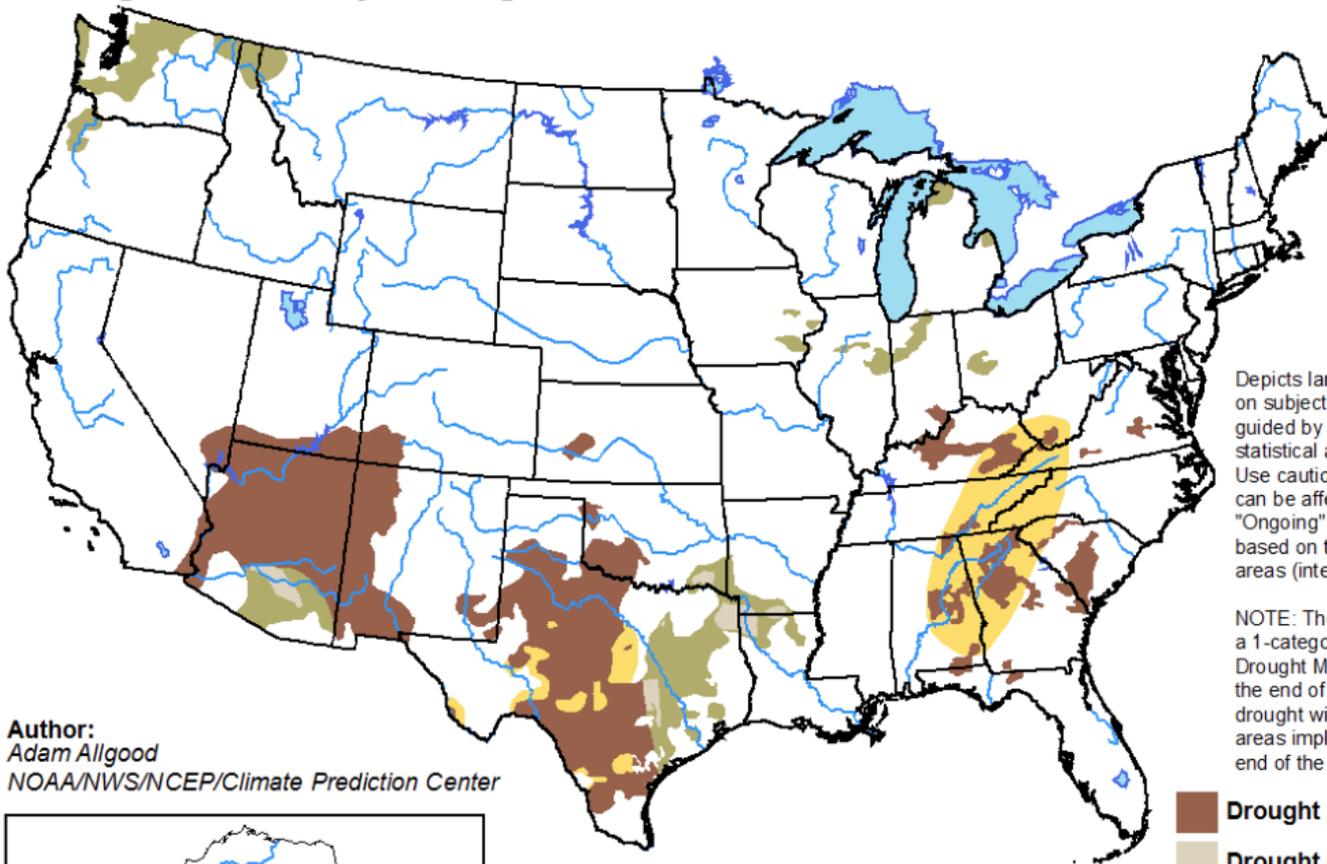
Build your own custom slider maps here at:

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

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

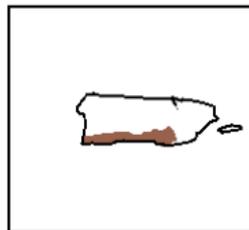
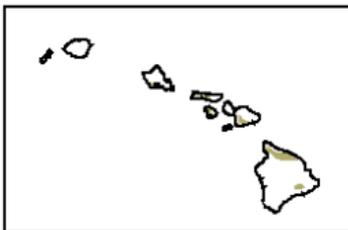
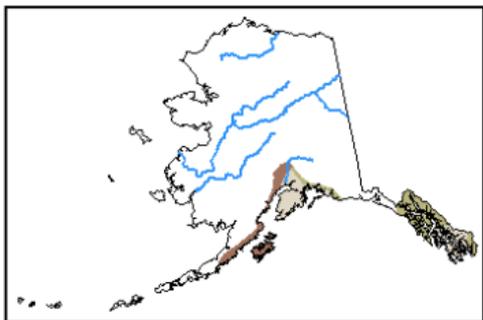
Valid for September 19 - December 31, 2019
Released September 19



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:
Adam Allgood
NOAA/NWS/NCEP/Climate Prediction Center



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

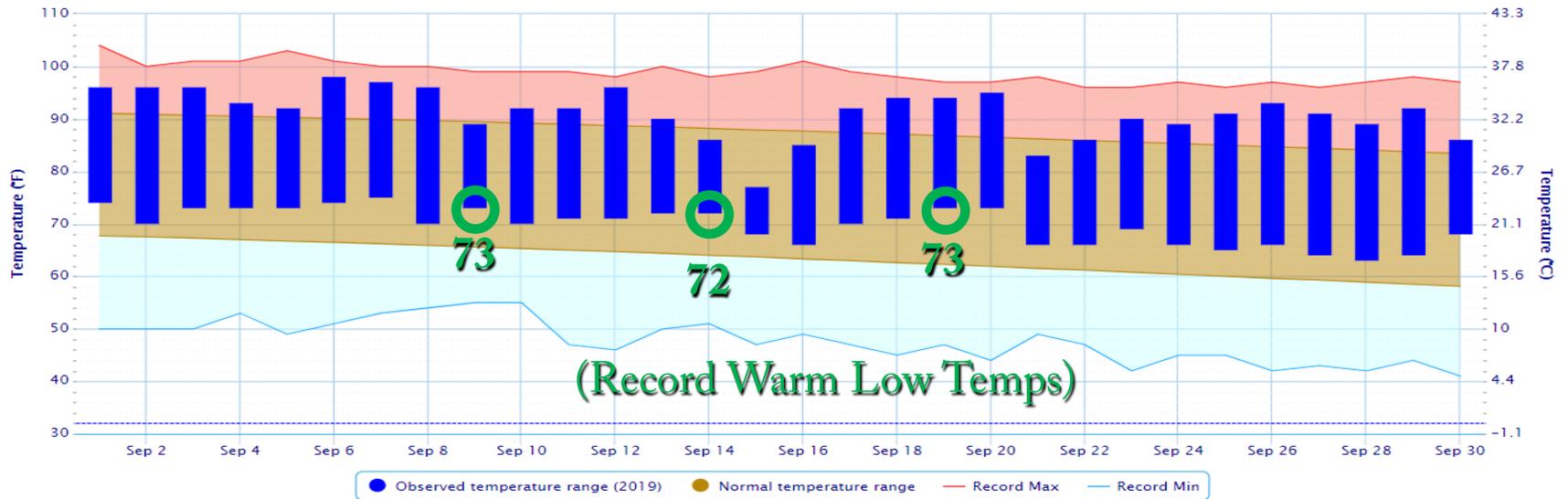


<http://go.usa.gov/3eZ73>

Temperature and precipitation data for September 2019 in El Paso

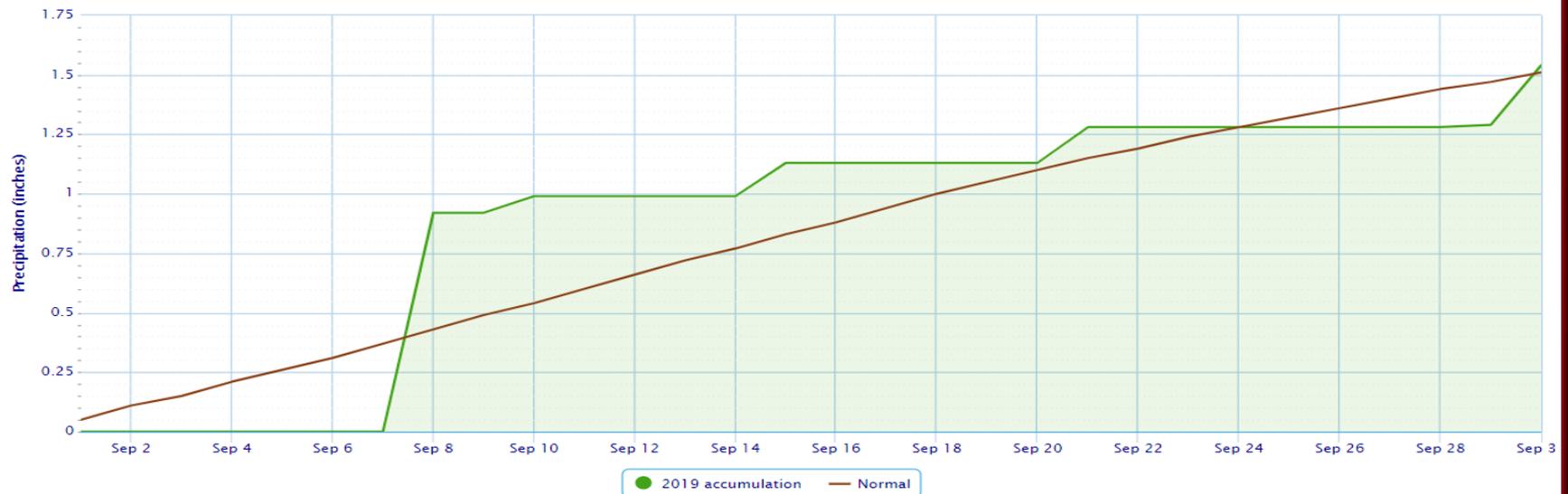
Daily Temperature Data – El Paso Area, TX (ThreadEx)

Period of Record – Max temperature: 1887-01-01 to 2019-09-30; Min temperature: 1879-01-01 to 2019-09-30. Normals period: 1981-2010. Click and drag to zoom chart.

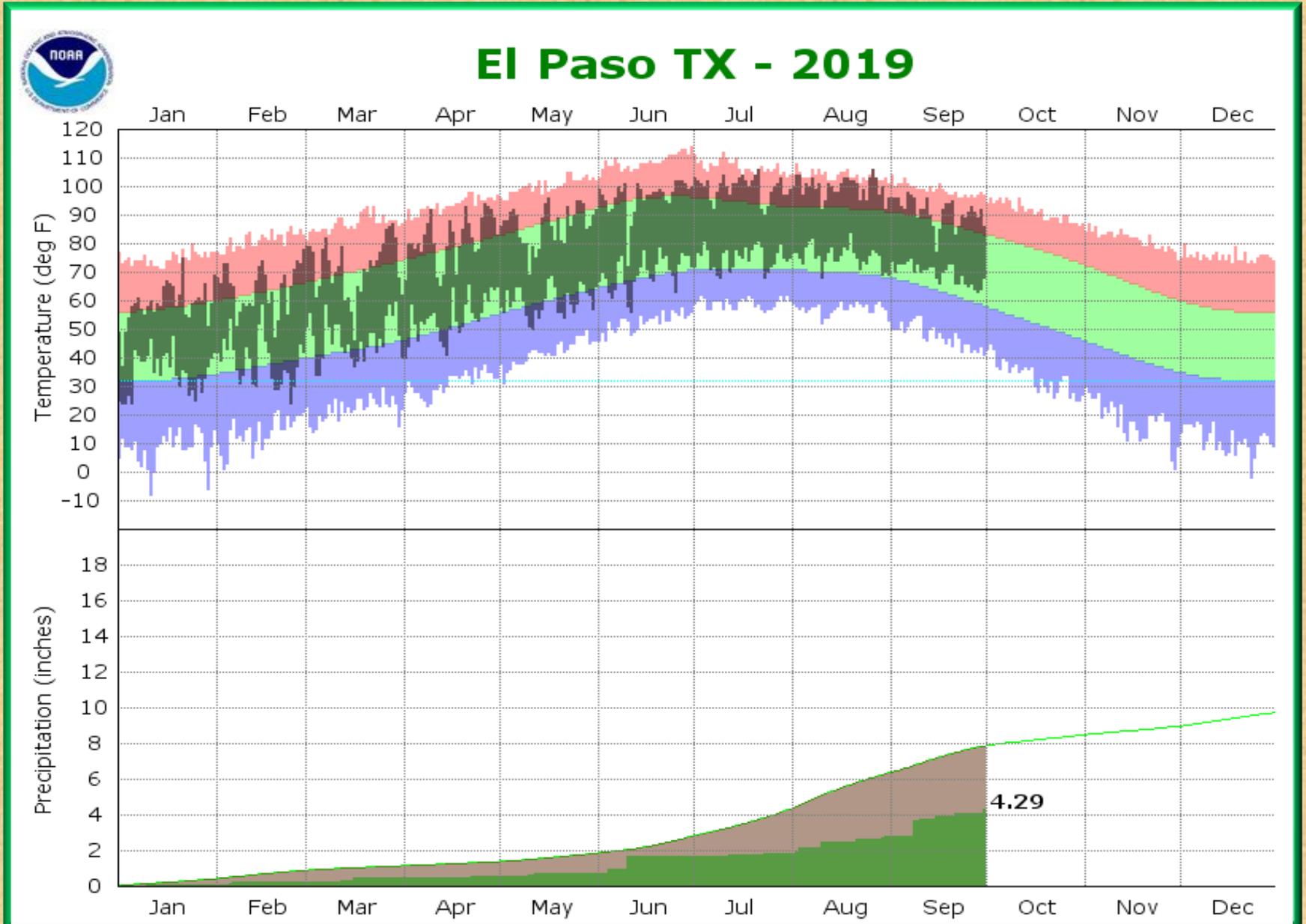


Accumulated Precipitation – El Paso Area, TX (ThreadEx)

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



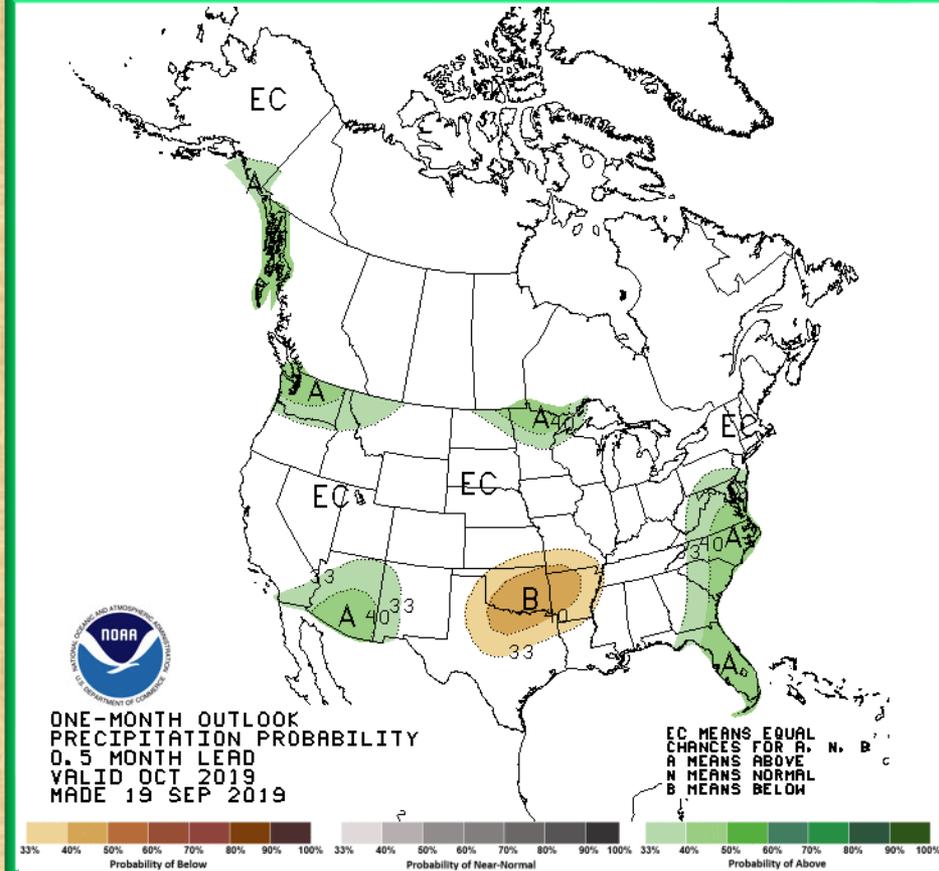
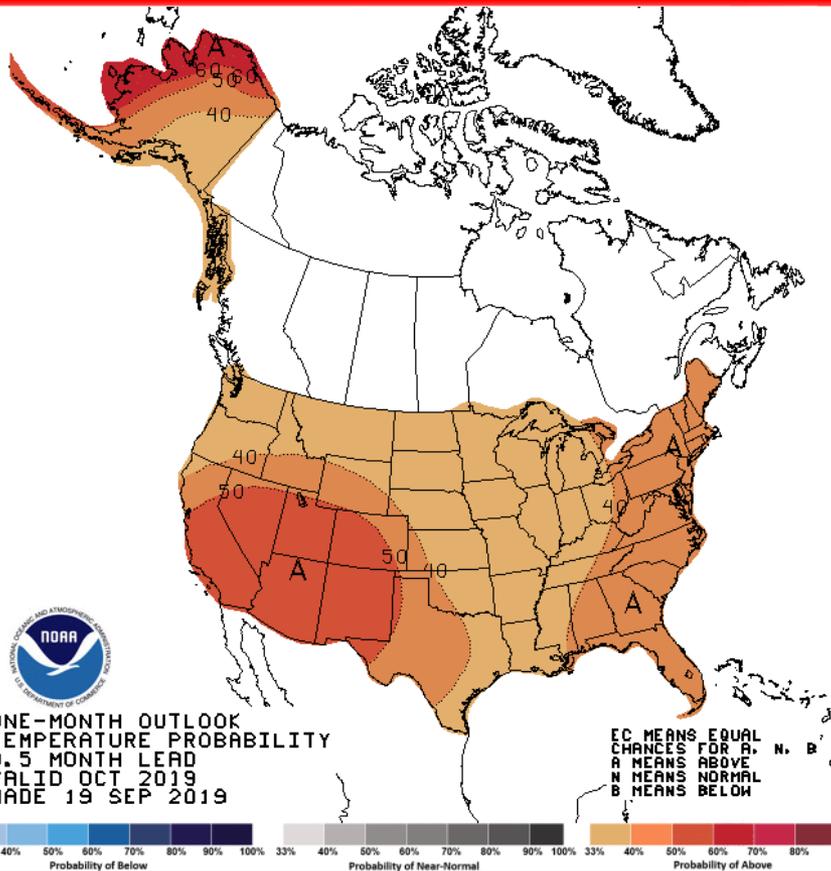
2019 year-to-date temperature and precipitation data El Paso



Temperature and precipitation outlook for October 2019

Temperature

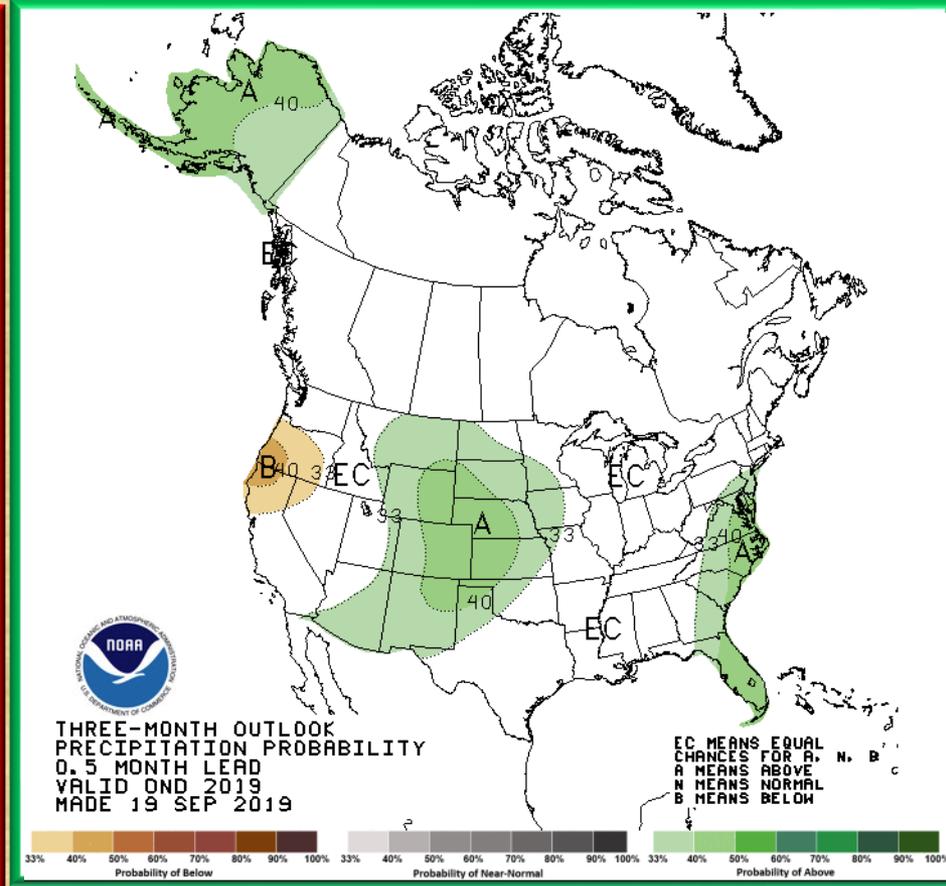
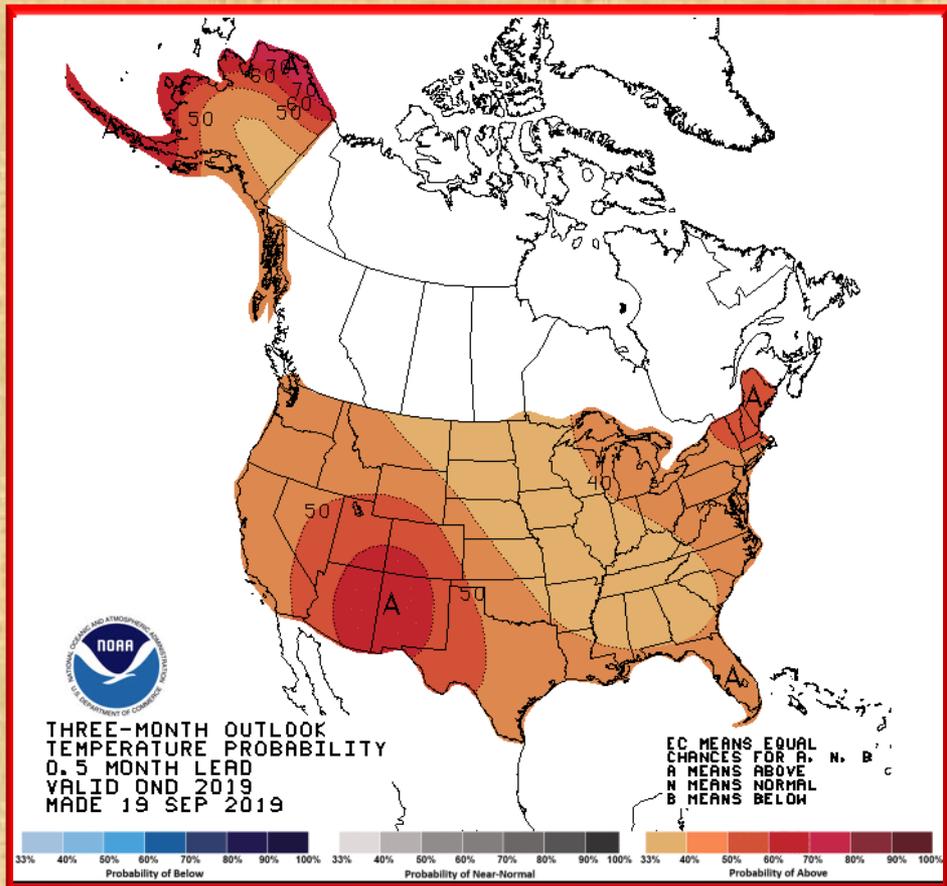
Precipitation



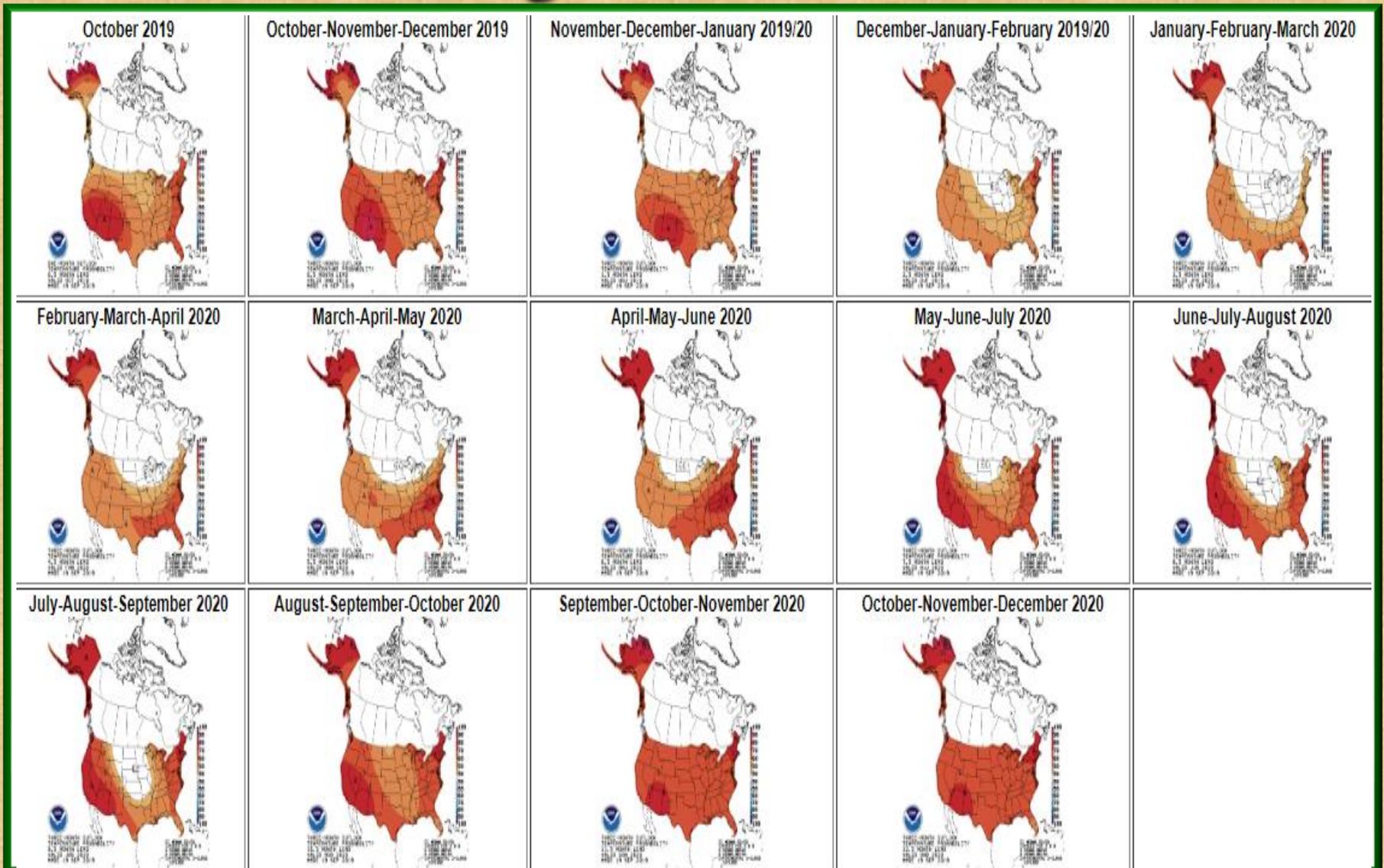
Temperature and precipitation outlook For October-December 2019

Temperature

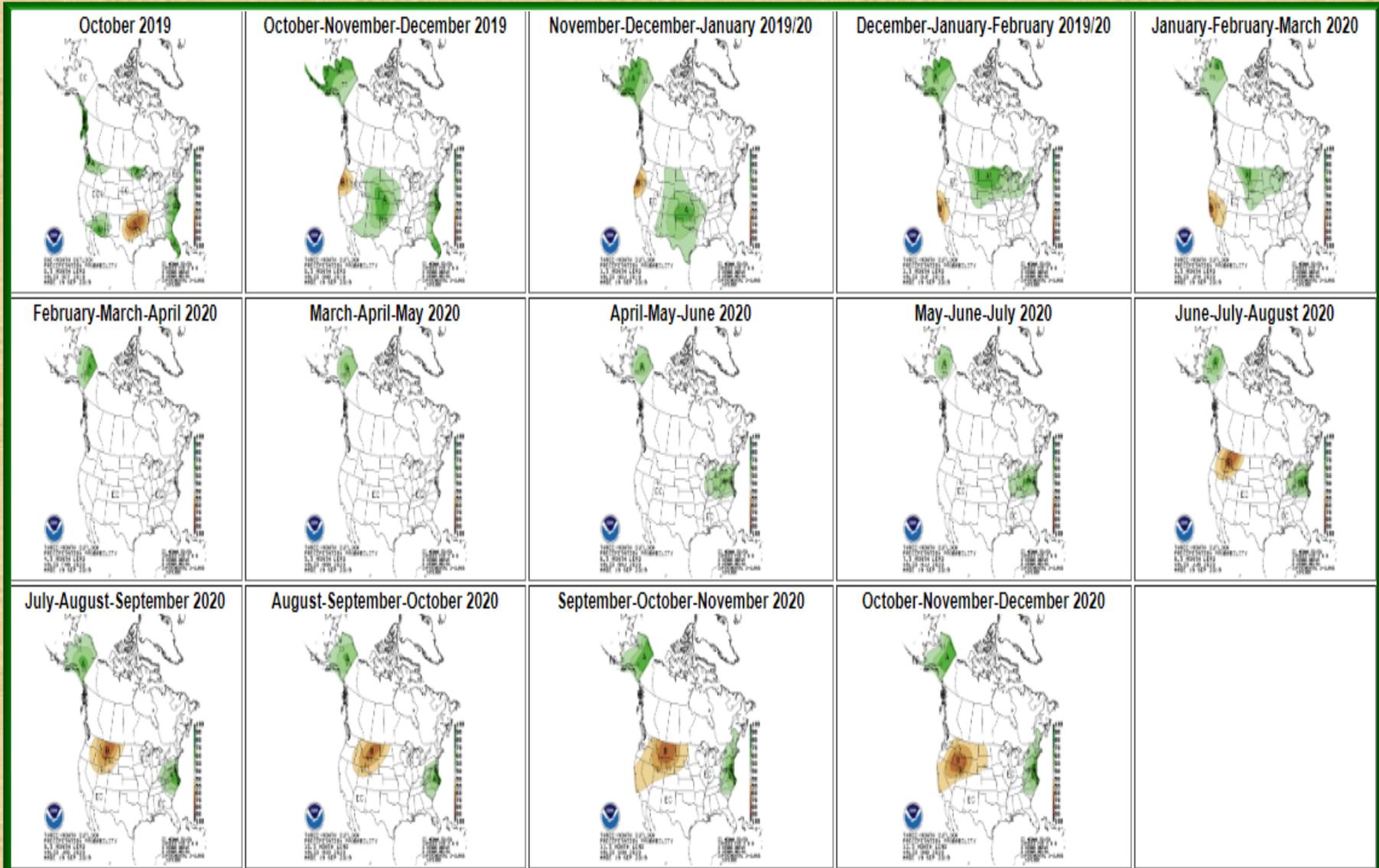
Precipitation



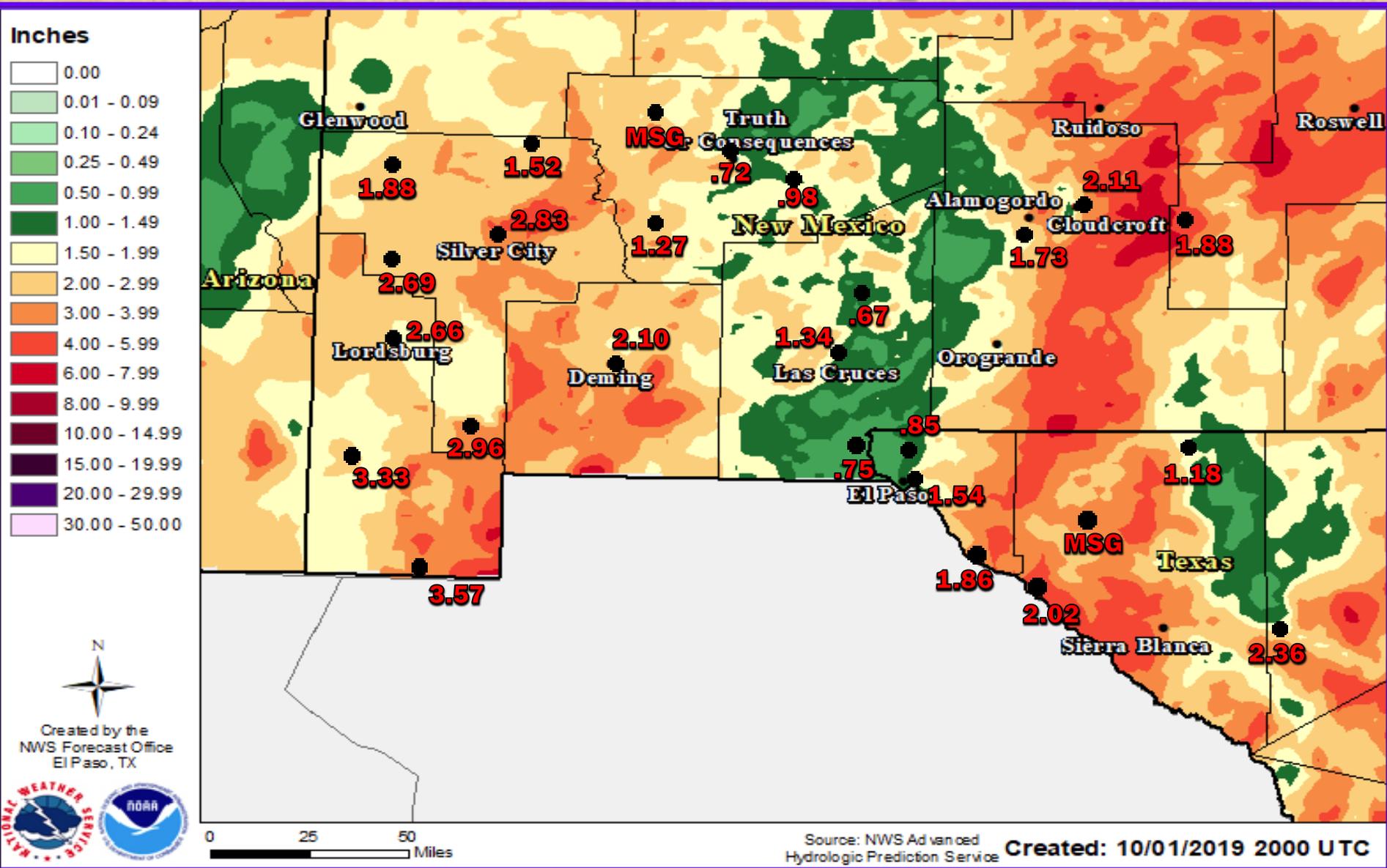
Temperature Outlook Through December 2020



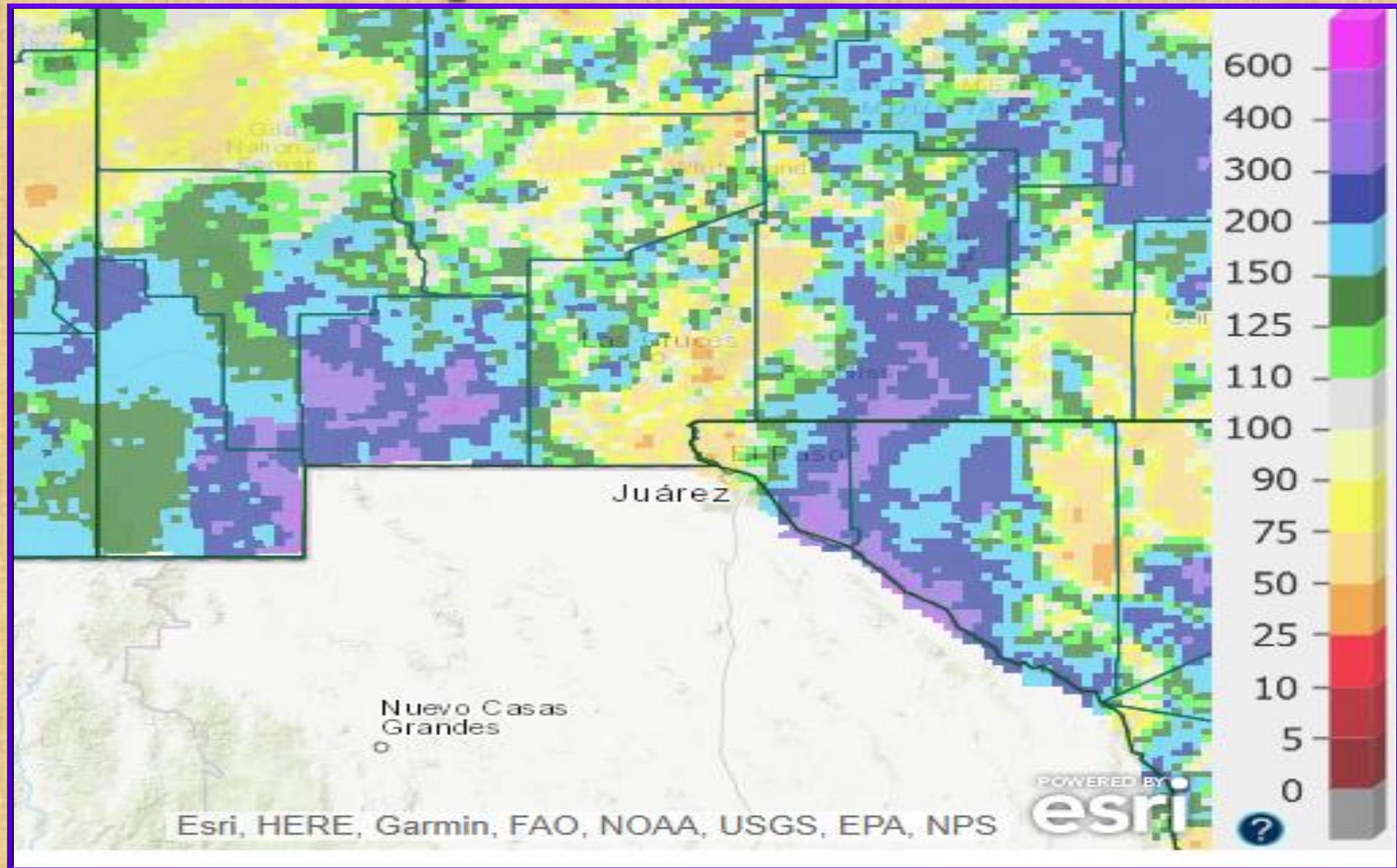
Precipitation Outlook Through December 2020



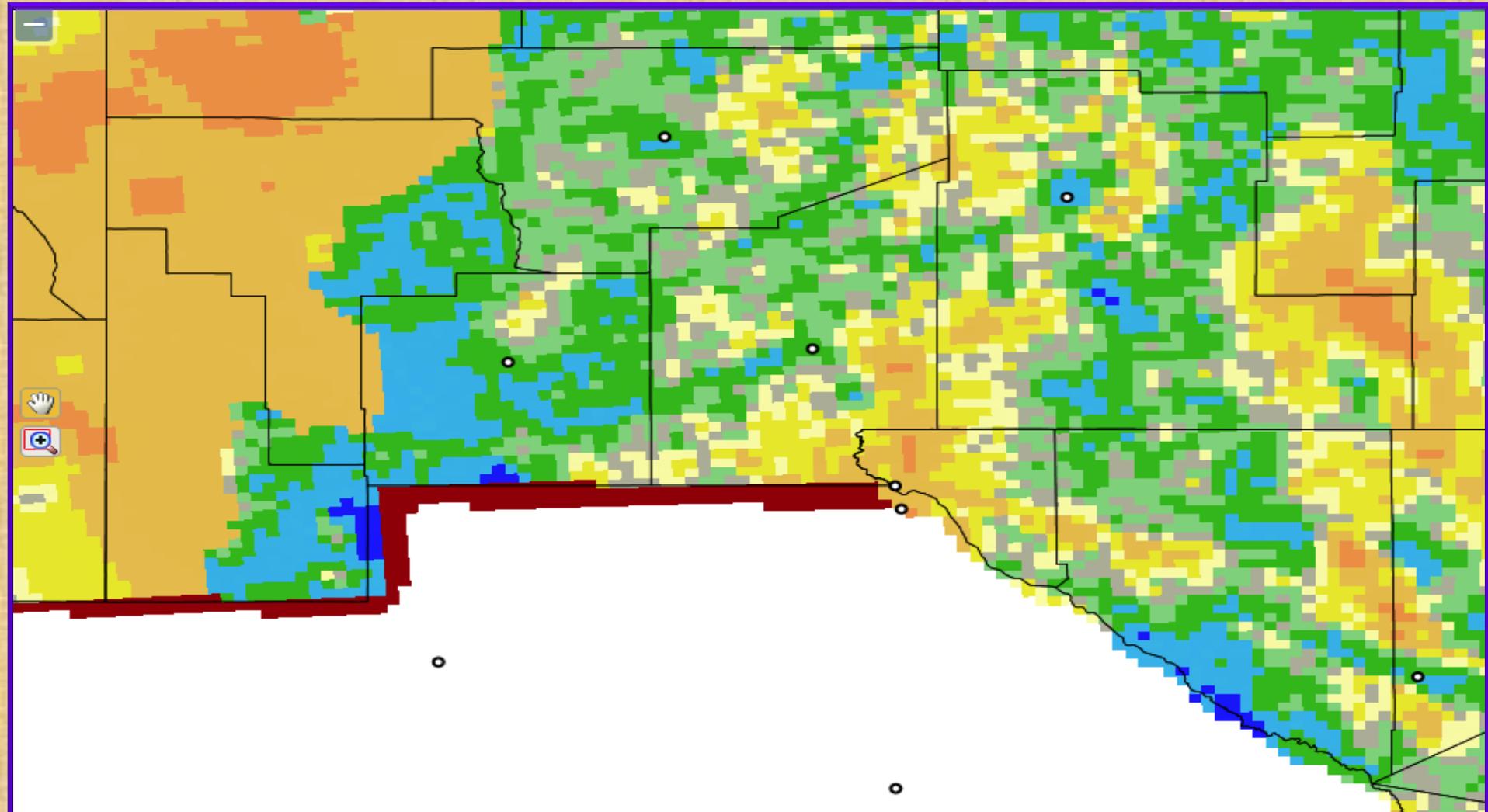
September 2019 radar rainfall estimate with surface rainfall reports



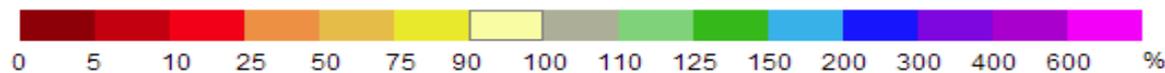
September 2019 radar rainfall estimate percent of normal



Final Monsoon (Jun-Sep) Season Radar Rainfall Estimate Percent of Normal



120 day Percent of Normal Precipitation for September 30, 2019



[About these maps](#)

Final Monsoon (Jun 15-Sep 30) Season- Rainfall and normals for El Paso and Cloudcroft

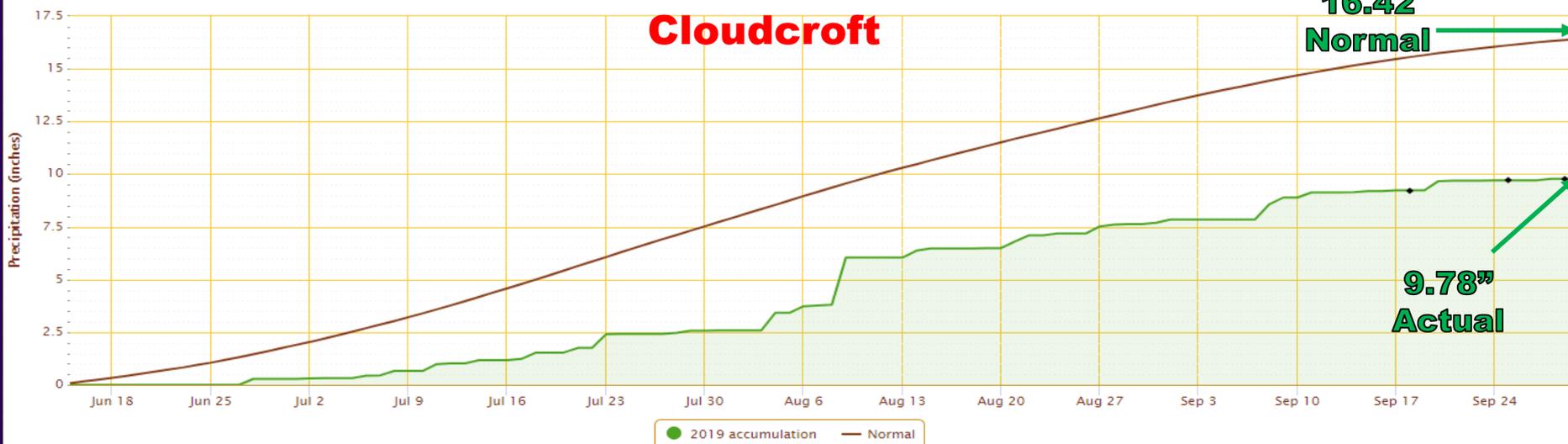
Accumulated Precipitation - EL PASO INTL AP, TX

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

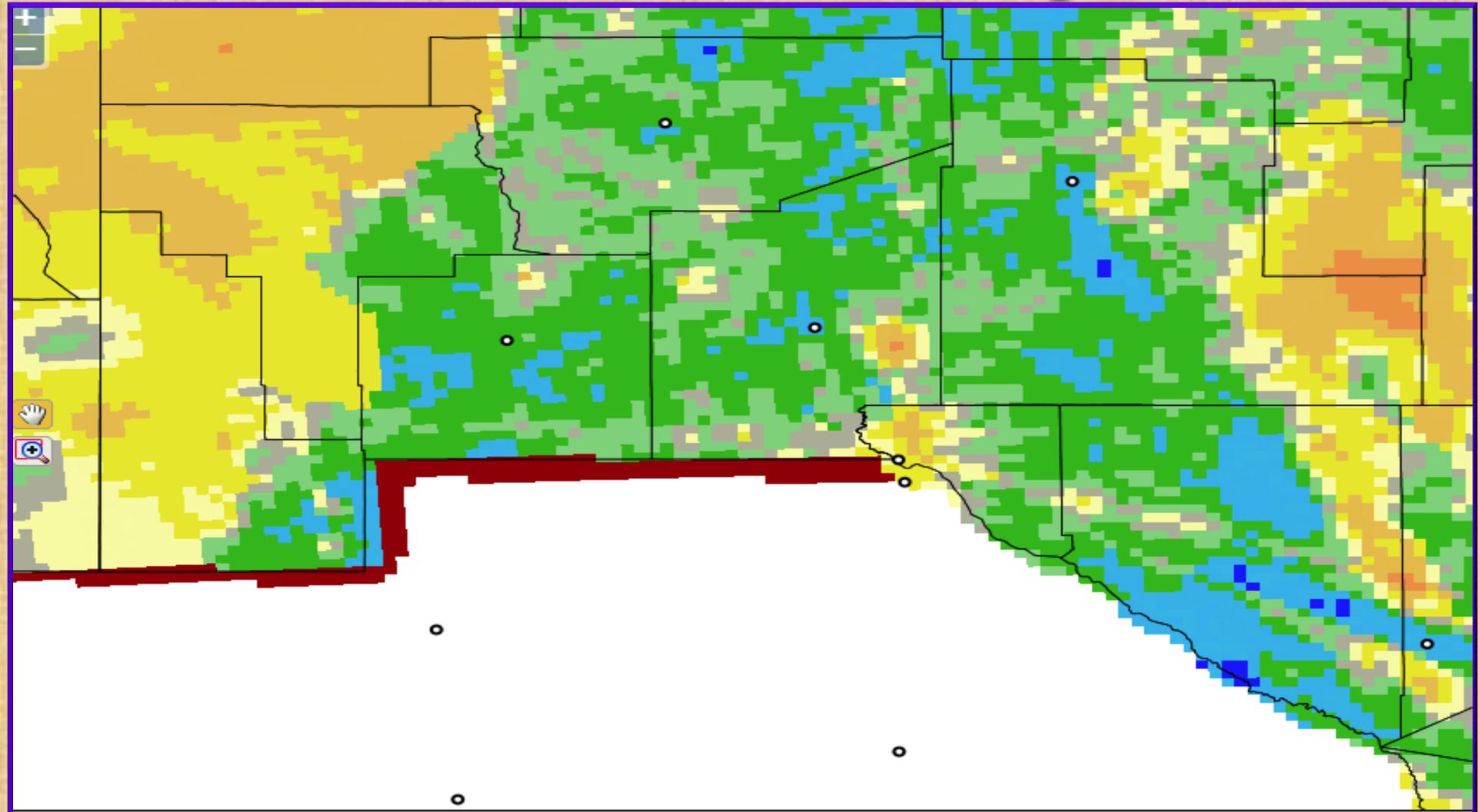


Accumulated Precipitation - CLOUDCROFT, NM

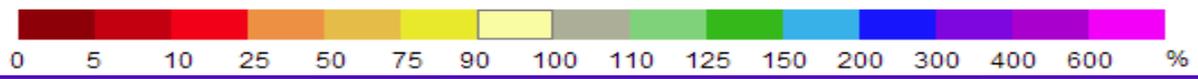
Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



Radar rainfall estimate percent of normal for the Water Year (Oct 1 to Sep 30)



12 month Percent of Normal Precipitation for September 30, 2019

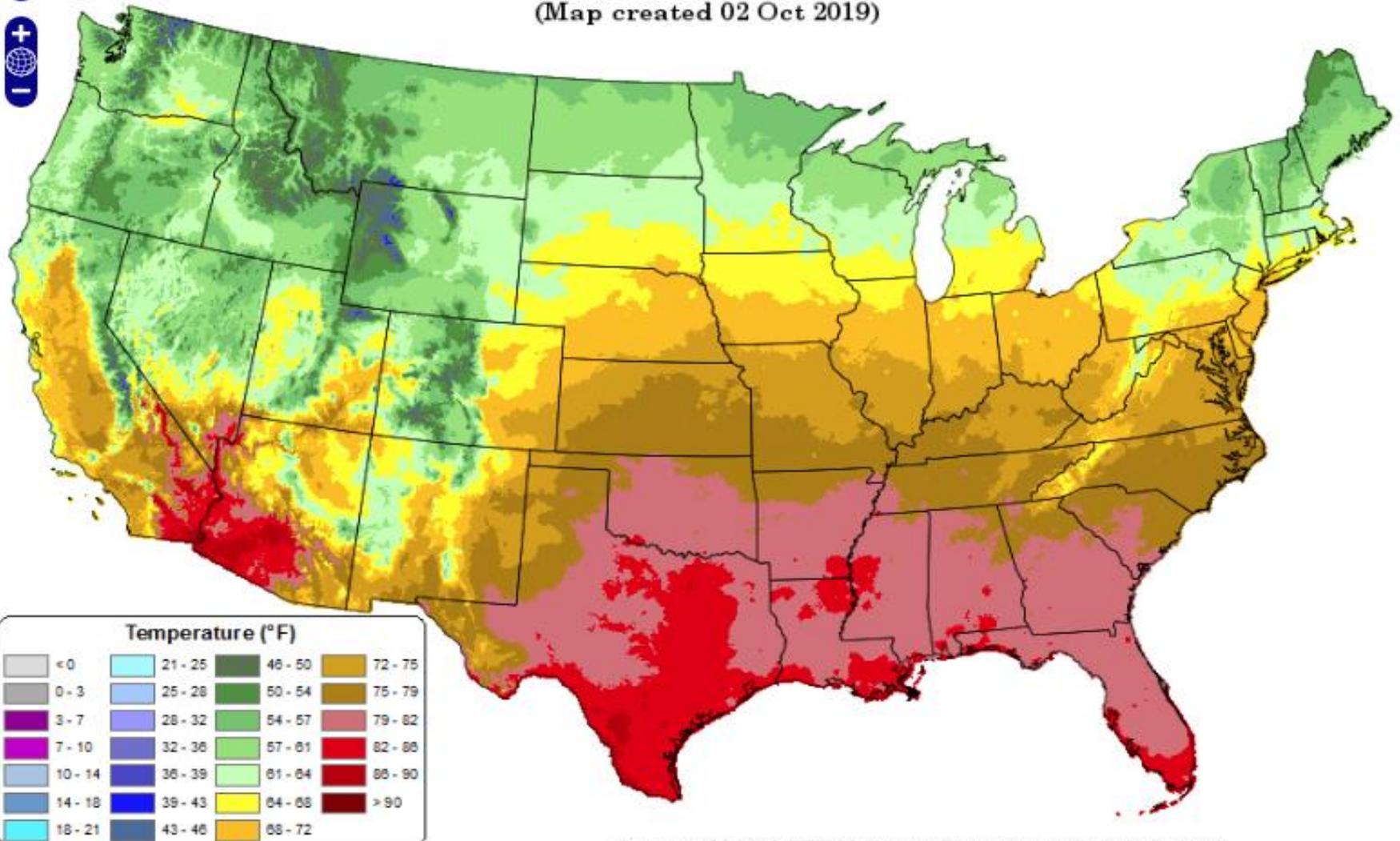


Map generated with
AHPS Precipitation

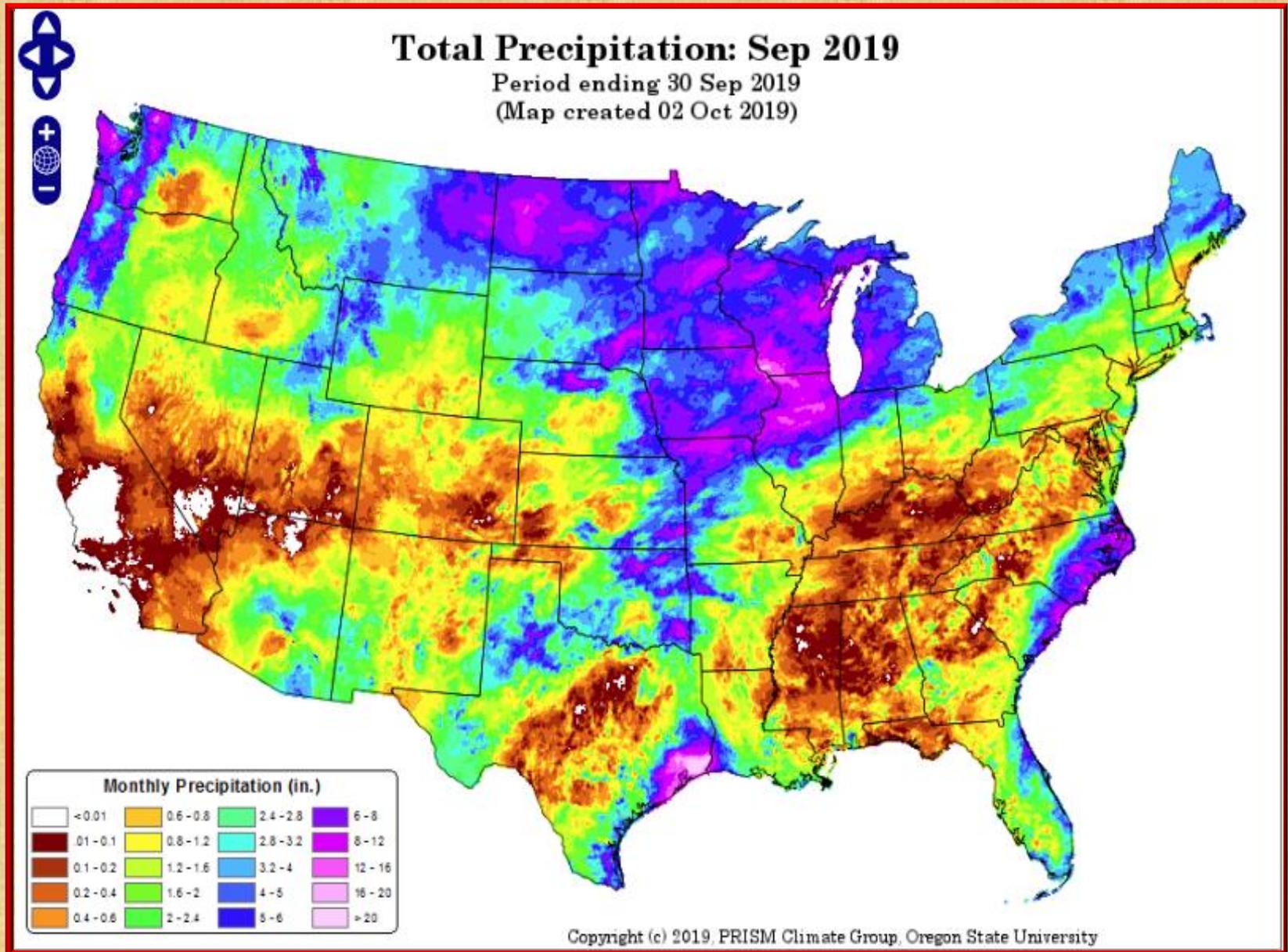
Average Daily Mean Temperature for September 2019

Average Daily Mean Temperature: Sep 2019

Period ending 7 AM EST 30 Sep 2019
(Map created 02 Oct 2019)



Total Precipitation for September 2019



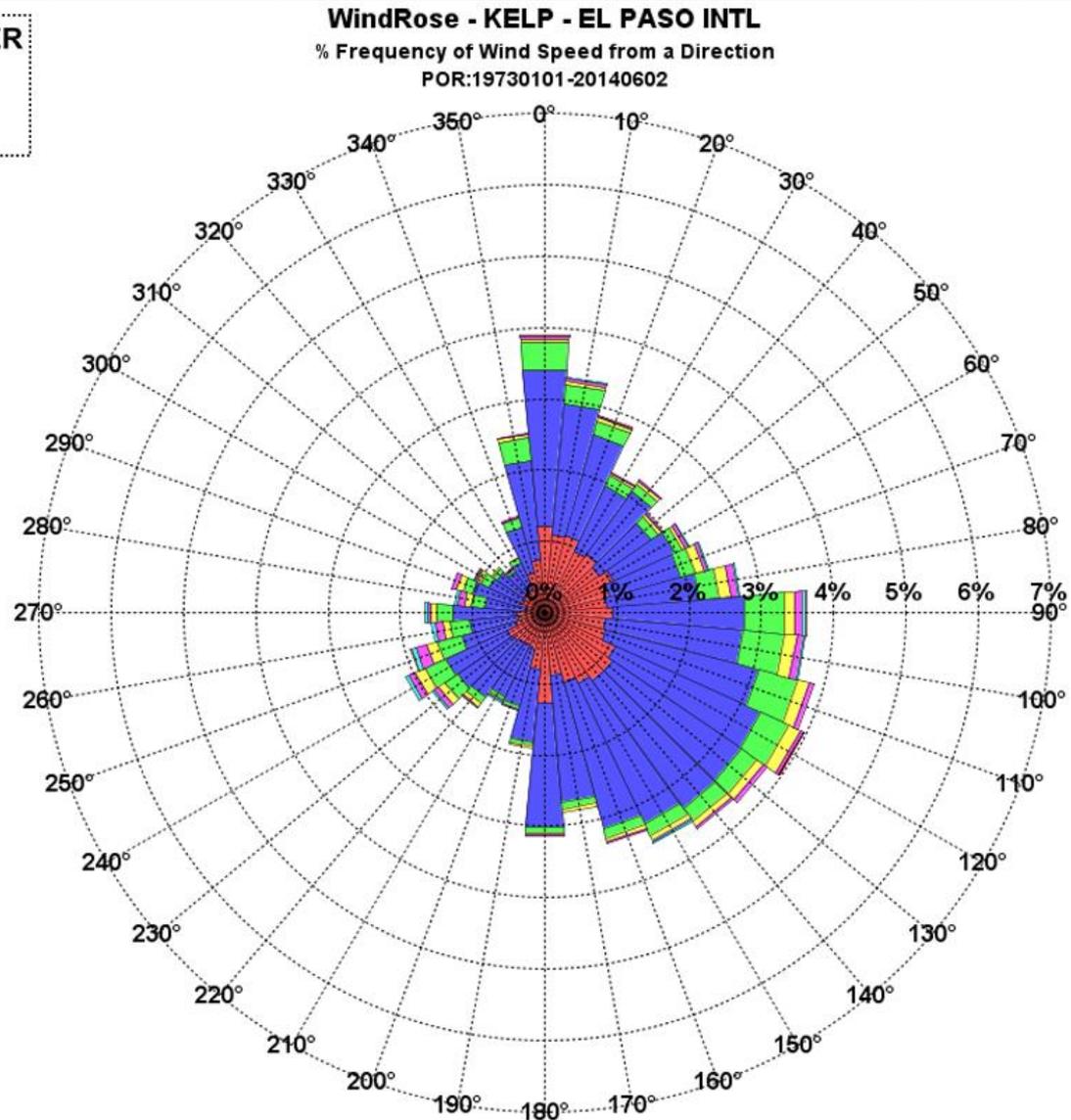
Special Features

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

Month: **SEPTEMBER**

Calm: **11.68%**

Variable: **3.28%**



Selected weather reports September 2019

Date/Time	Location (County)	Event
SEPTEMBER 8 515 PM	EL PASO 11 NE-EL PASO	70 MPH THUNDERSTORM GUST
SEPTEMBER 8 929 PM	HOLLOMAN AFB-OTERO	62 MPH THUNDERSTORM GUST
SEPTEMBER 10 530 PM	TRUTH OR CONSEQUENCES-SIERRA	HEAVY RAIN; STREET FLOODING
SEPTEMBER 24 430 PM	SIERRA BLANCA AREA-HUDSPETH	LANDSPOUT TORNADO

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

Enter Your City, ST or ZIP Code

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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Monthly Weather Digest
[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.gov/epz

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 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	

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

