

August 2019 Weather Digest



August 2019 Weather Summary

August ended up being one of the warmest August months on record for many sites around the area. Of course when warm records are being broke that usually means a drier than normal month, which was true for a large part of the Borderland. Most sites saw their mean daily temperature running about 3 to 5 degrees above normal. El Paso International Airport broke the all time August record for most days above 100 degrees, totaling 19 days for the month. Unless we can add 2 more 100 degree days this month, the summer of 2019 at El Paso will remain in 4th place for most 100 degree days—at 47.

Though August was not an overly wet month, we did see much of the area closer to, or slightly above normal compared with July. Most counties had at about one-third to one-half of their area at or slightly above normal. Two of the drier counties in July (Dona Ana and Luna) saw August monthly rainfall closer to normal. While it hasn't been a banner monsoon season rainfall (see map), most areas are either just a bit below or a bit above normal (if you include early June rainfall in the totals)-the glaring exception being El Paso and southern Dona Ana Counties.

August 2019 Weather Summary, cont'd

Looking ahead to September-average temperatures continue to gradually cool. The average high at El Paso International Airport is 91 on the 1st and 83 on the 30th. Daylight also slowly shrinks, with 12 hours and 49 minutes of sunshine on the 1st, to 11 hours and 53 minutes on the final day of the month. Our September full moon (Harvest Moon) is on the 14th. Meteorological Autumn begins on September 1st, while Astronomical Autumn begins on September 23rd, which is the Autumnal Equinox.

**August 1 Thunderstorm
near Las Cruces**



**August 14 Dust Storm
El Paso**



August 19 El Paso



August 29 Near El Paso



August Lightning Show

August 1 near Columbus



August 1 near the Potrillo Mts



August 1



August 1



August Lightning Show

August 19 El Paso



**August 23 NWS office
at Santa Teresa**



August 30



Eddie Carroll

El Niño Advisory has been cancelled

ENSO Alert System

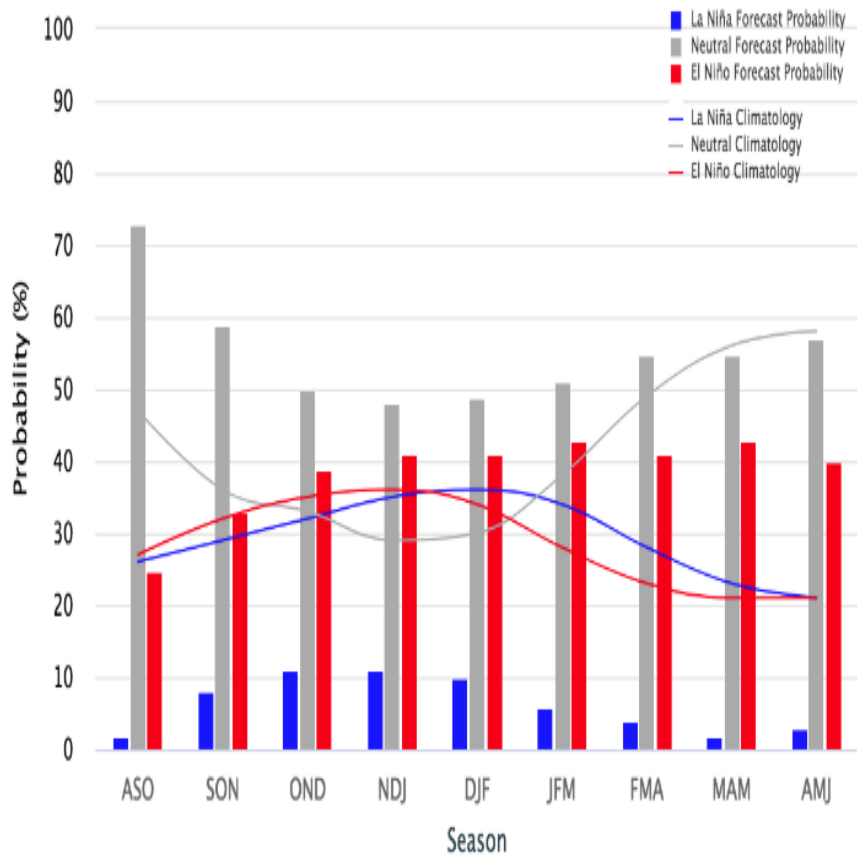
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

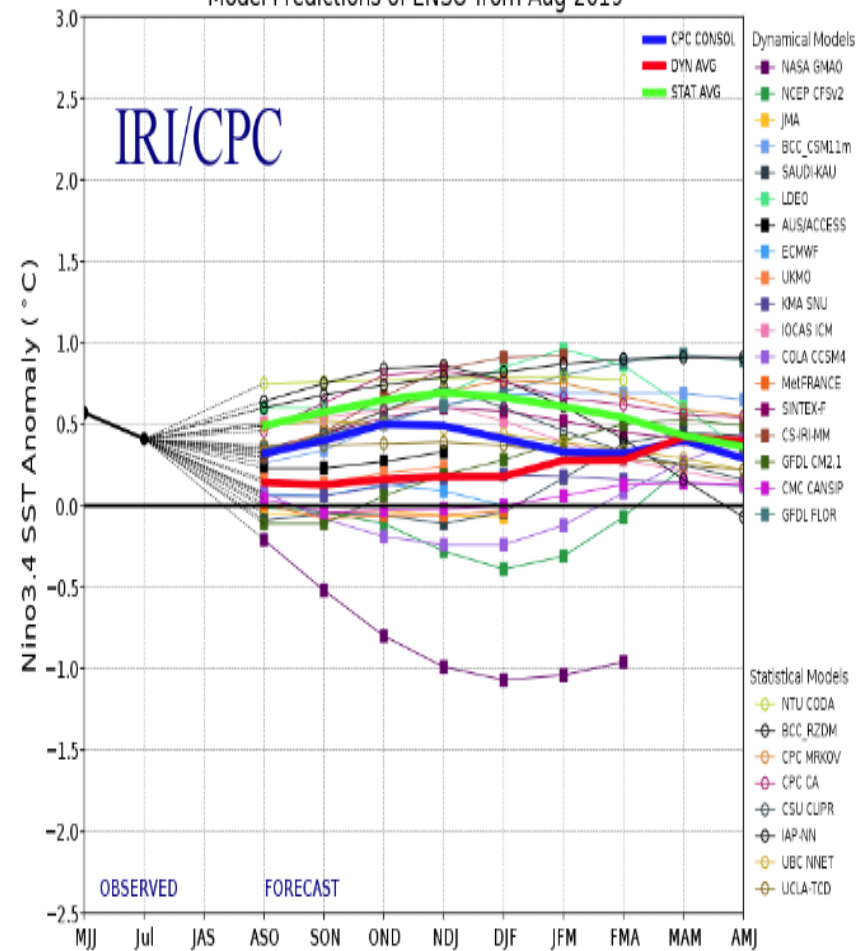
ENSO is now in a weak El Niño phase but will soon drop into a neutral position.

Mid-August 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



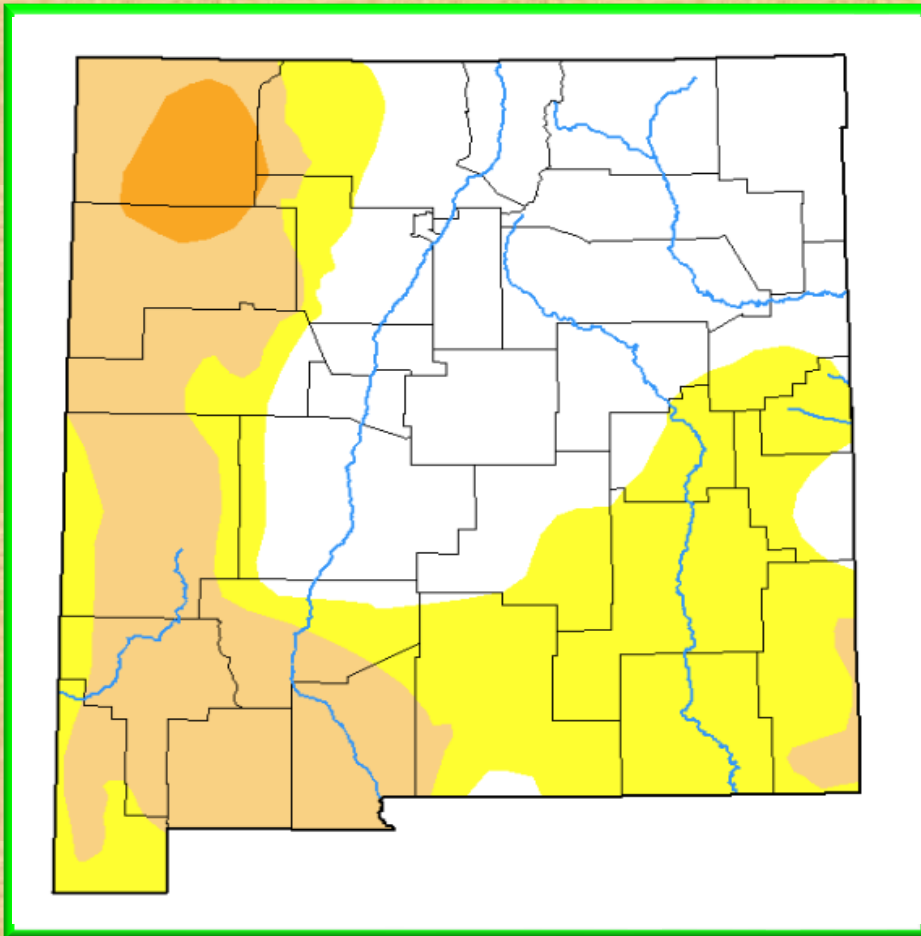
Model Predictions of ENSO from Aug 2019



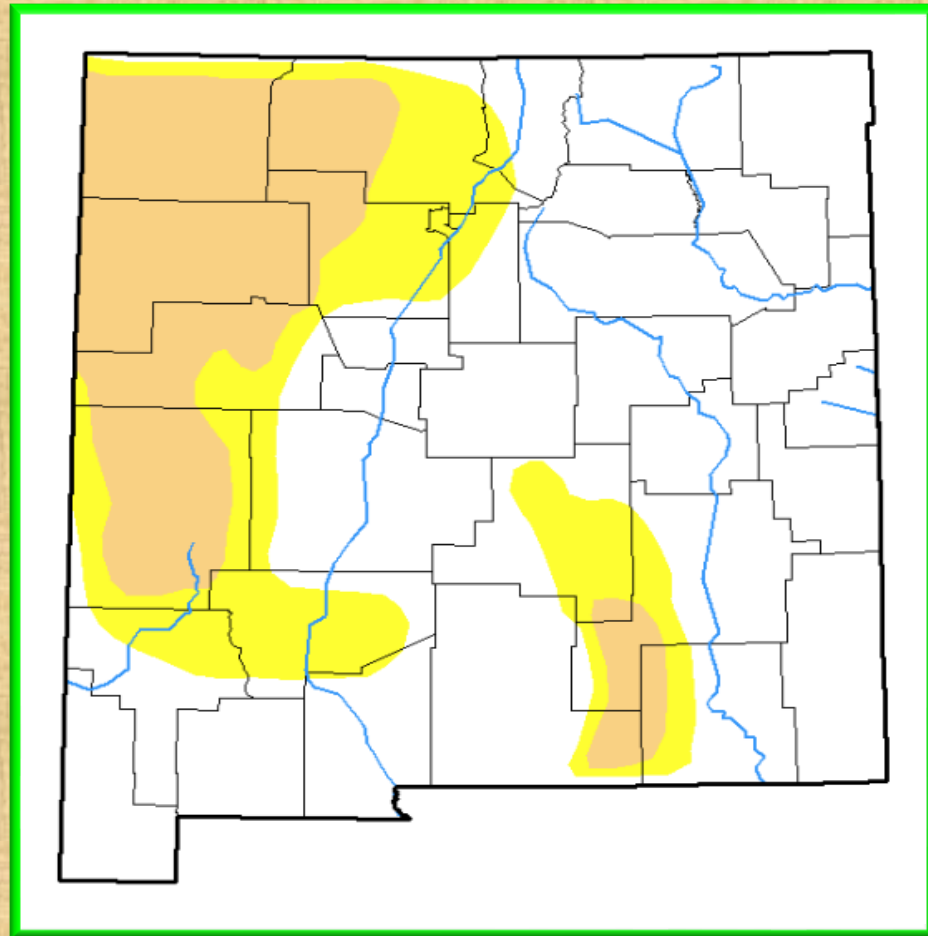
Current drought conditions for New Mexico and 3 month change

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

August 27 2019








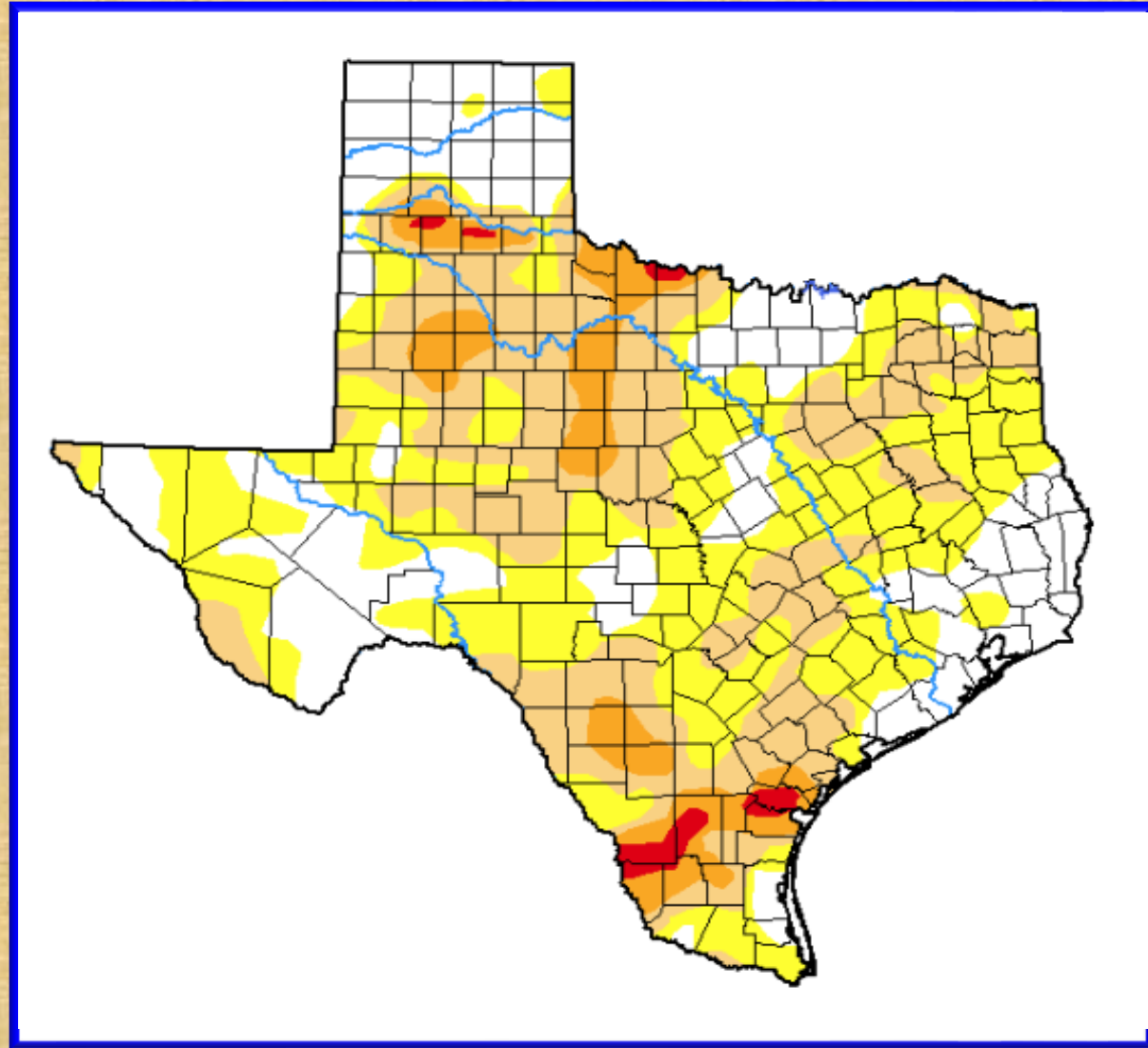
May 28, 2019



Current drought conditions for Texas as of August 27, 2019

Intensity:

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



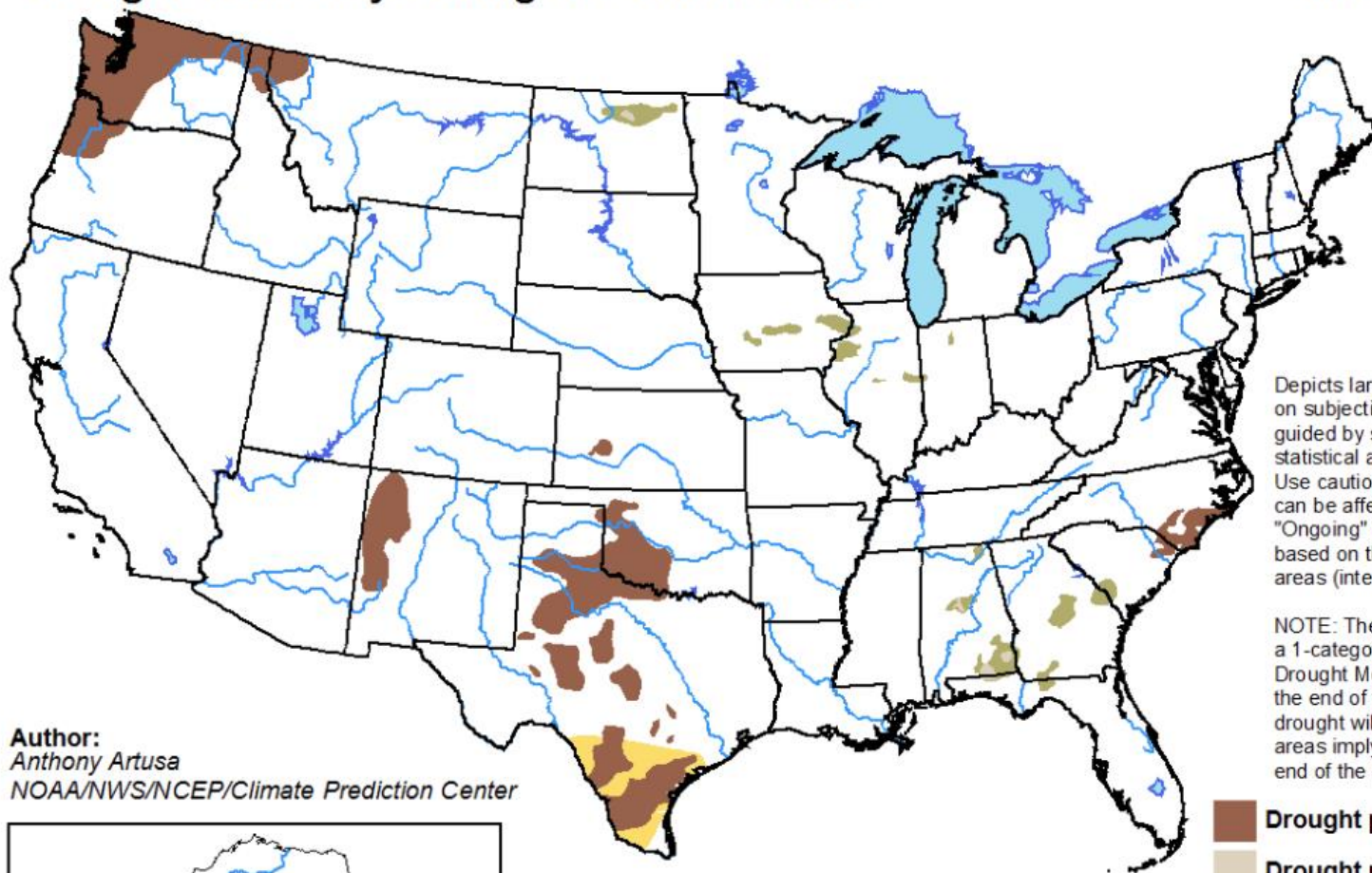
Build your own custom slider maps here at:

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

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

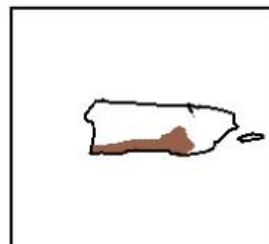
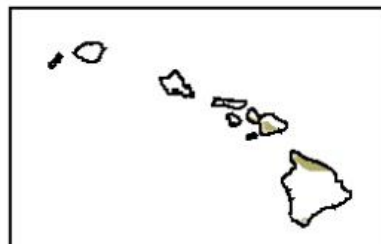
Valid for August 15 - November 30, 2019
Released August 15



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

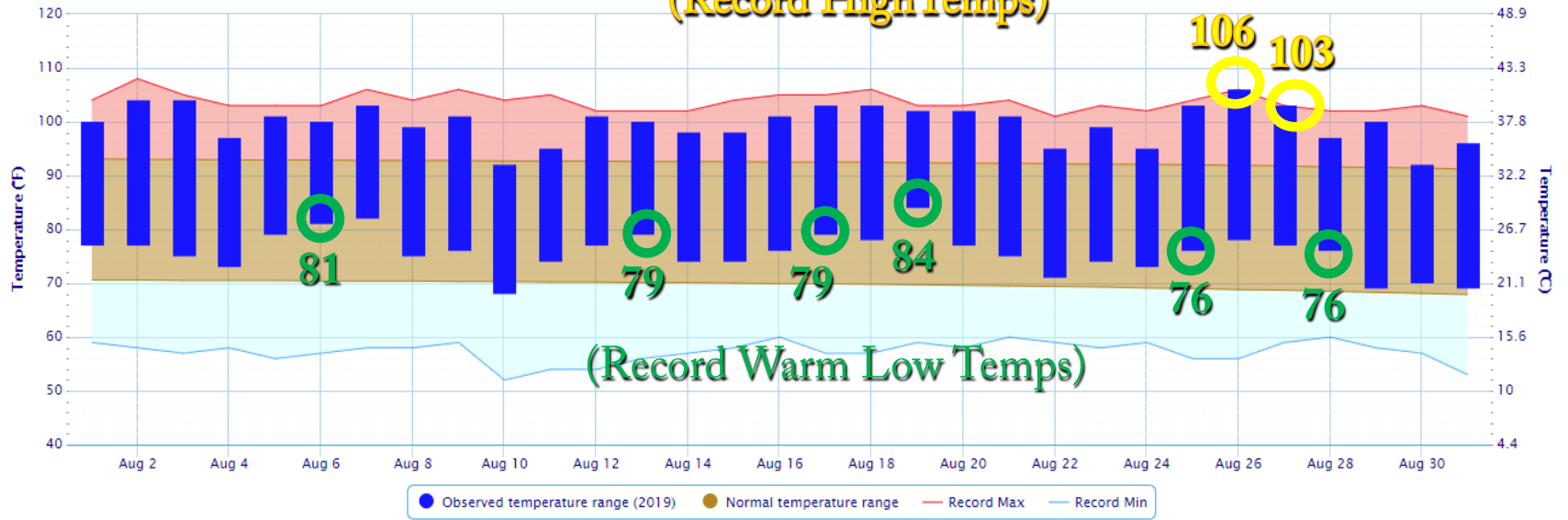


<http://go.usa.gov/3eZ73>

Temperature and precipitation data for August 2019 in El Paso 104

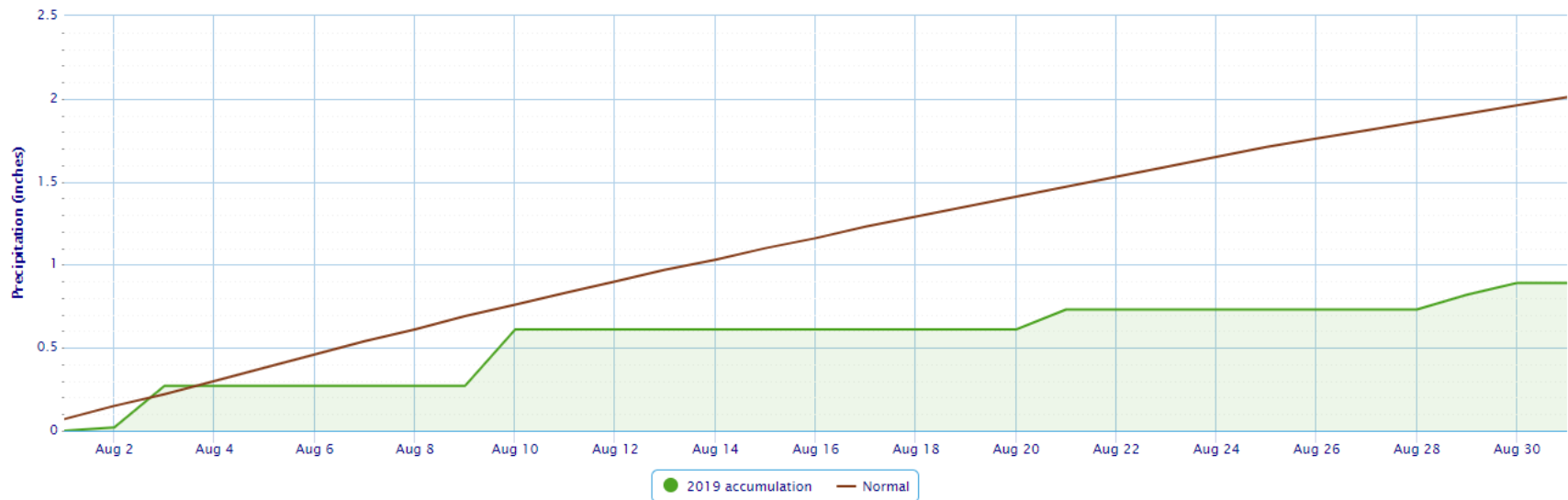
Daily Temperature Data – El Paso Area, TX (ThreadEx)

Period of Record – Max temperature: 1887-01-01 to 2019-08-31; Min temperature: 1879-01-01 to 2019-08-31. Normal period: 1981-2010. Click and drag to zoom chart.

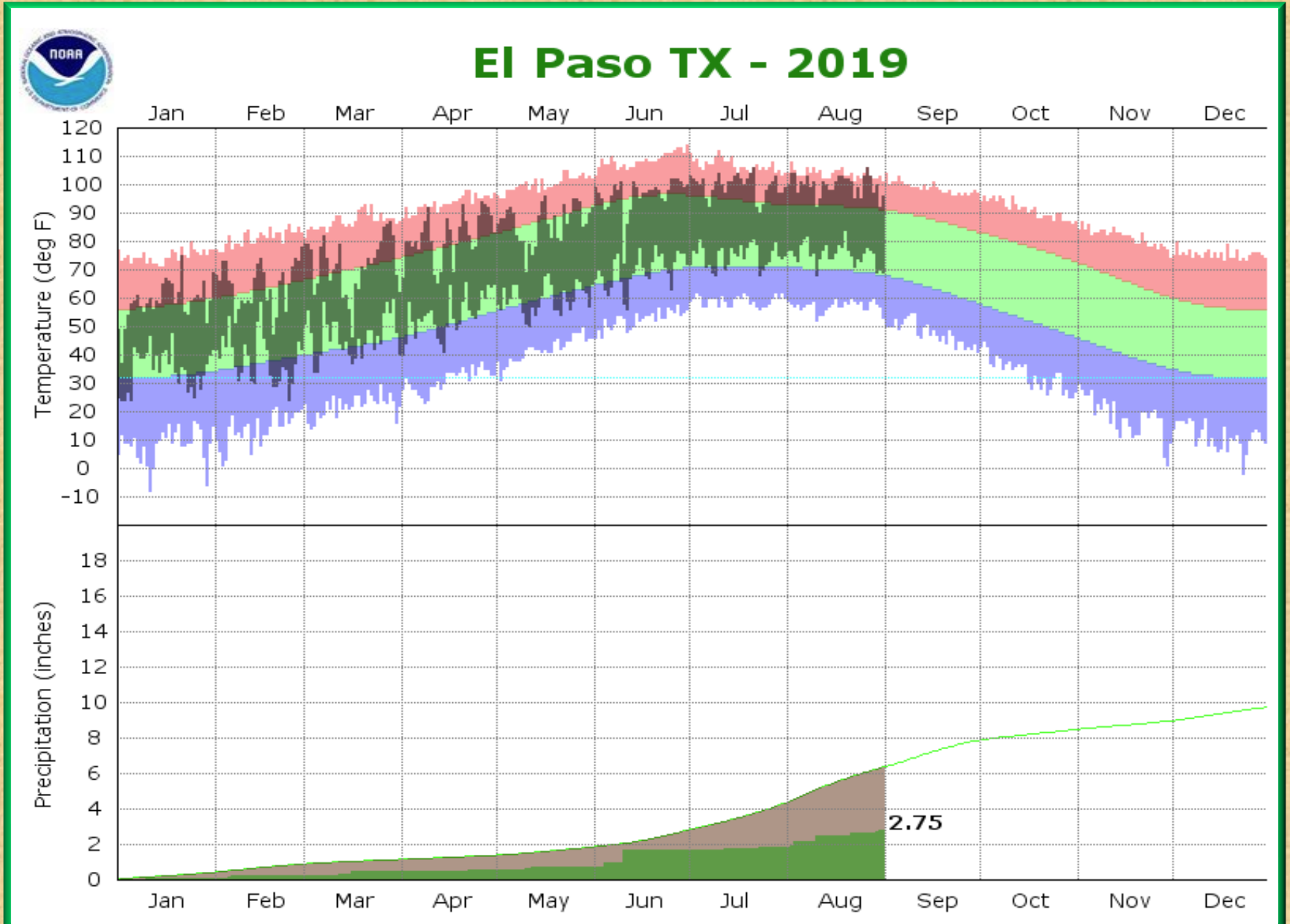


Accumulated Precipitation – El Paso Area, TX (ThreadEx)

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



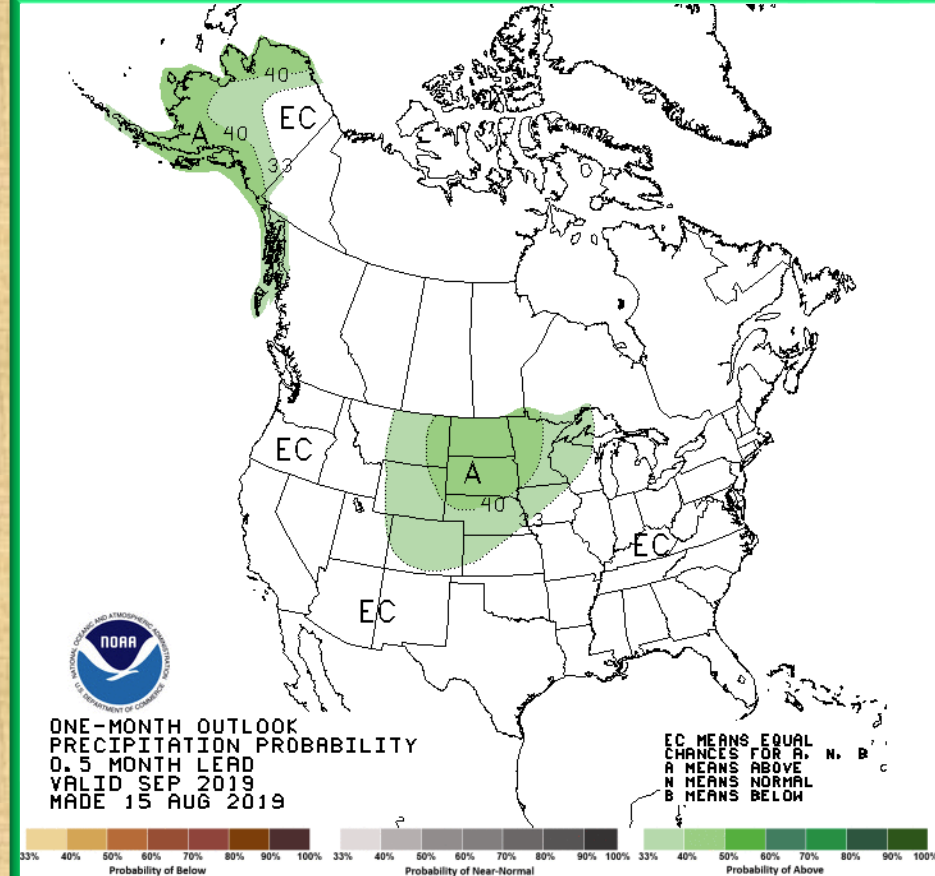
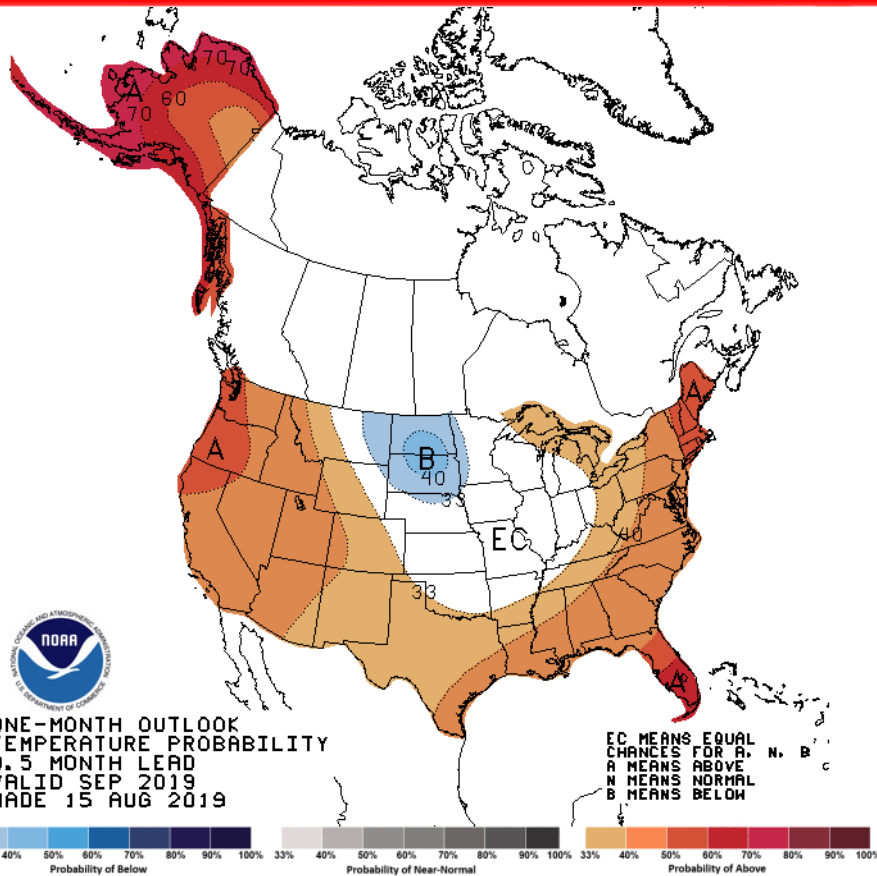
2019 year-to-date temperature and precipitation data El Paso



Temperature and precipitation outlook for September 2019

Temperature

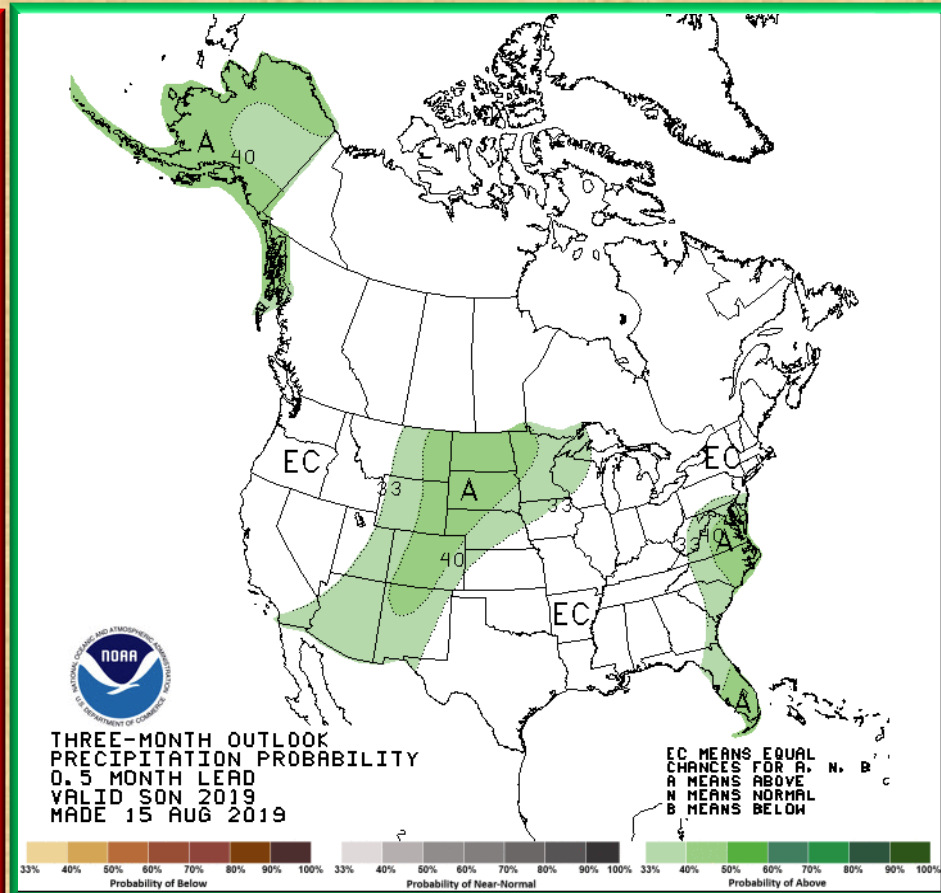
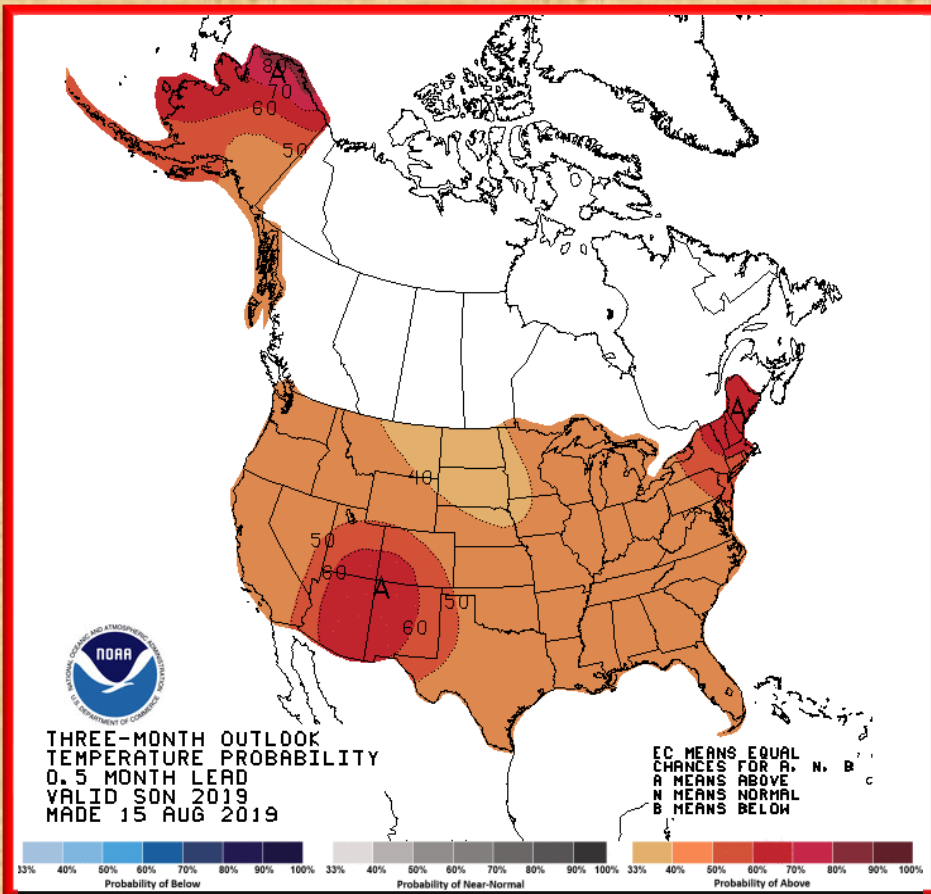
Precipitation



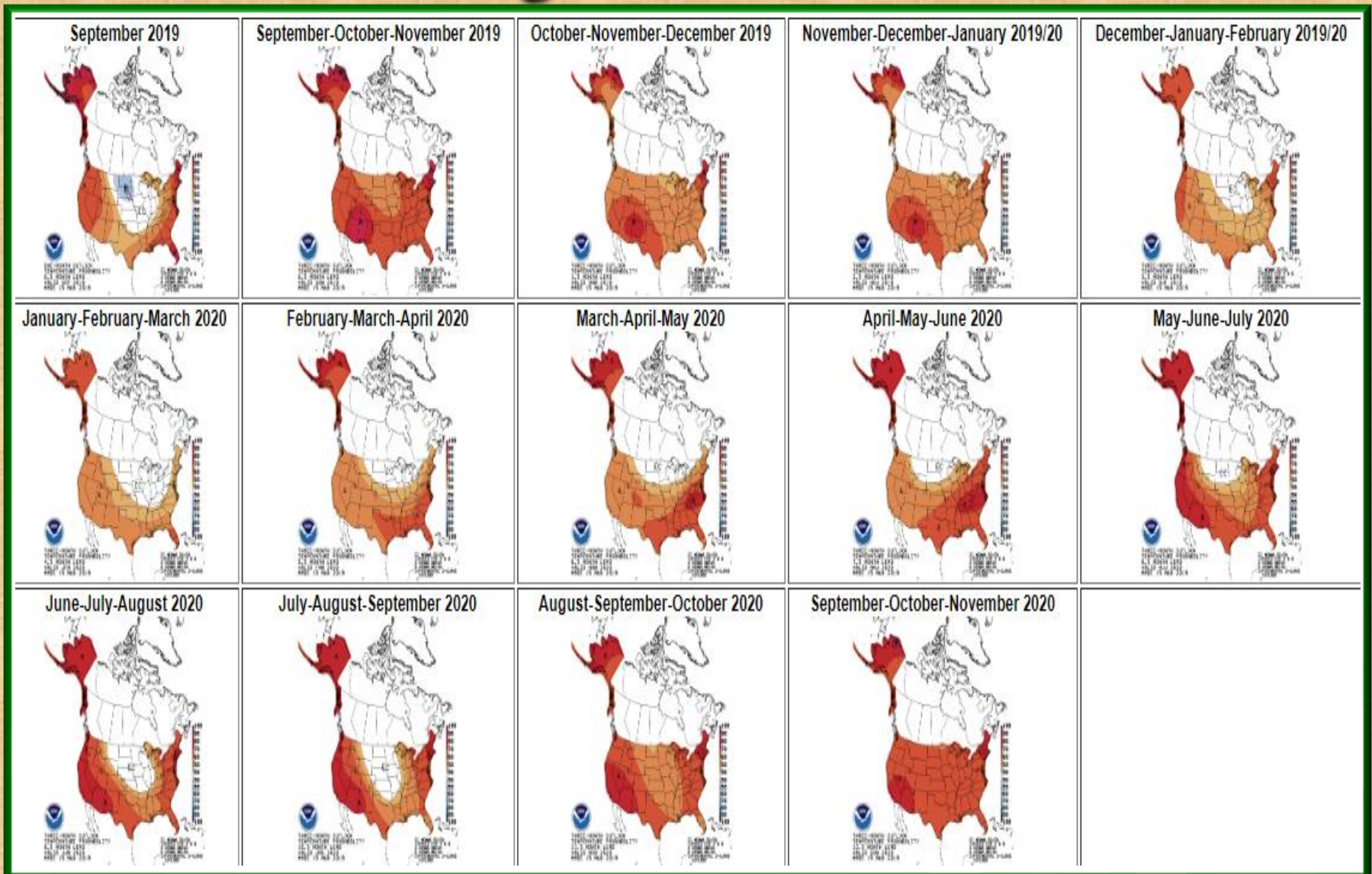
Temperature and precipitation outlook For September-November 2019

Temperature

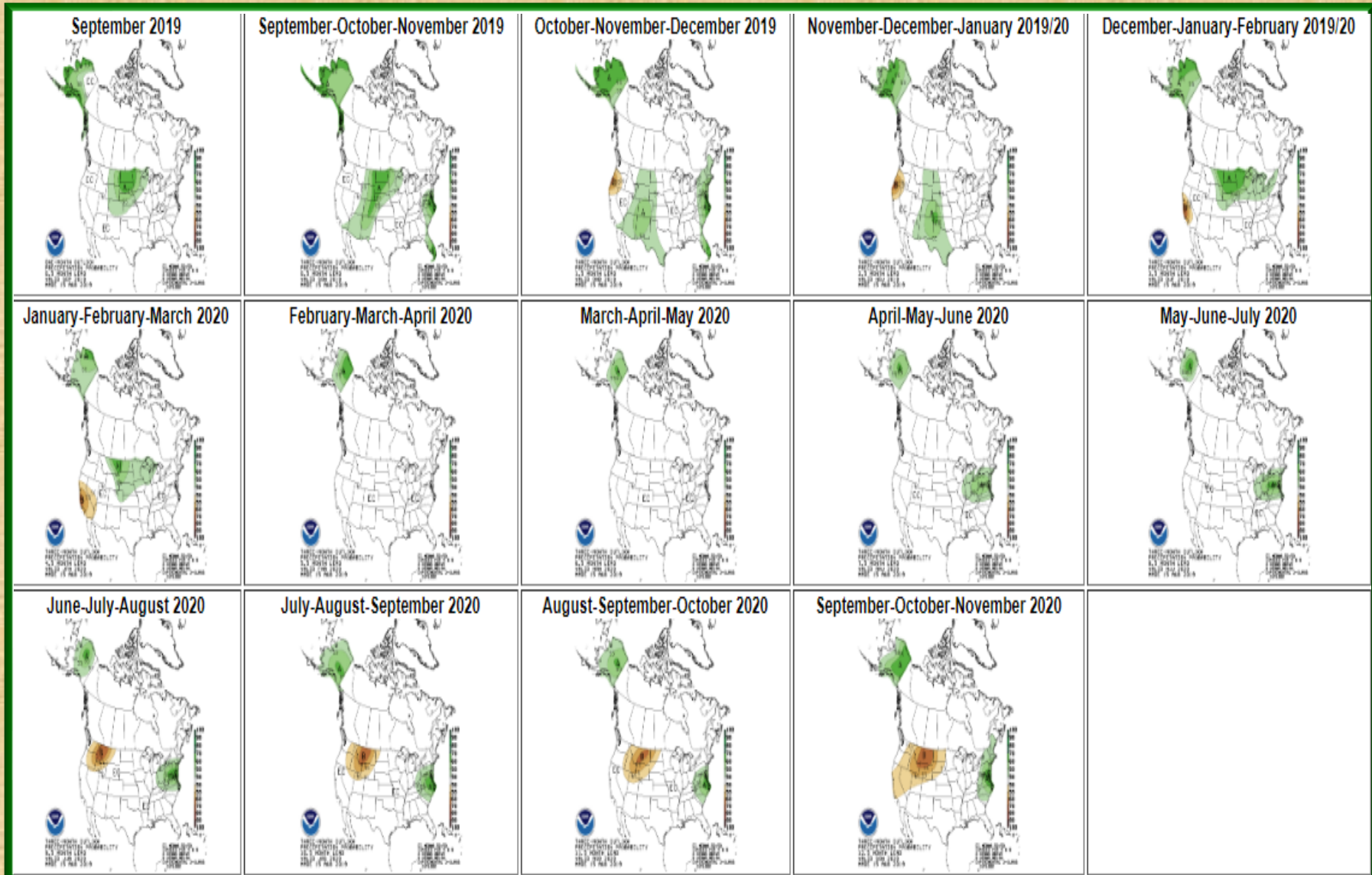
Precipitation



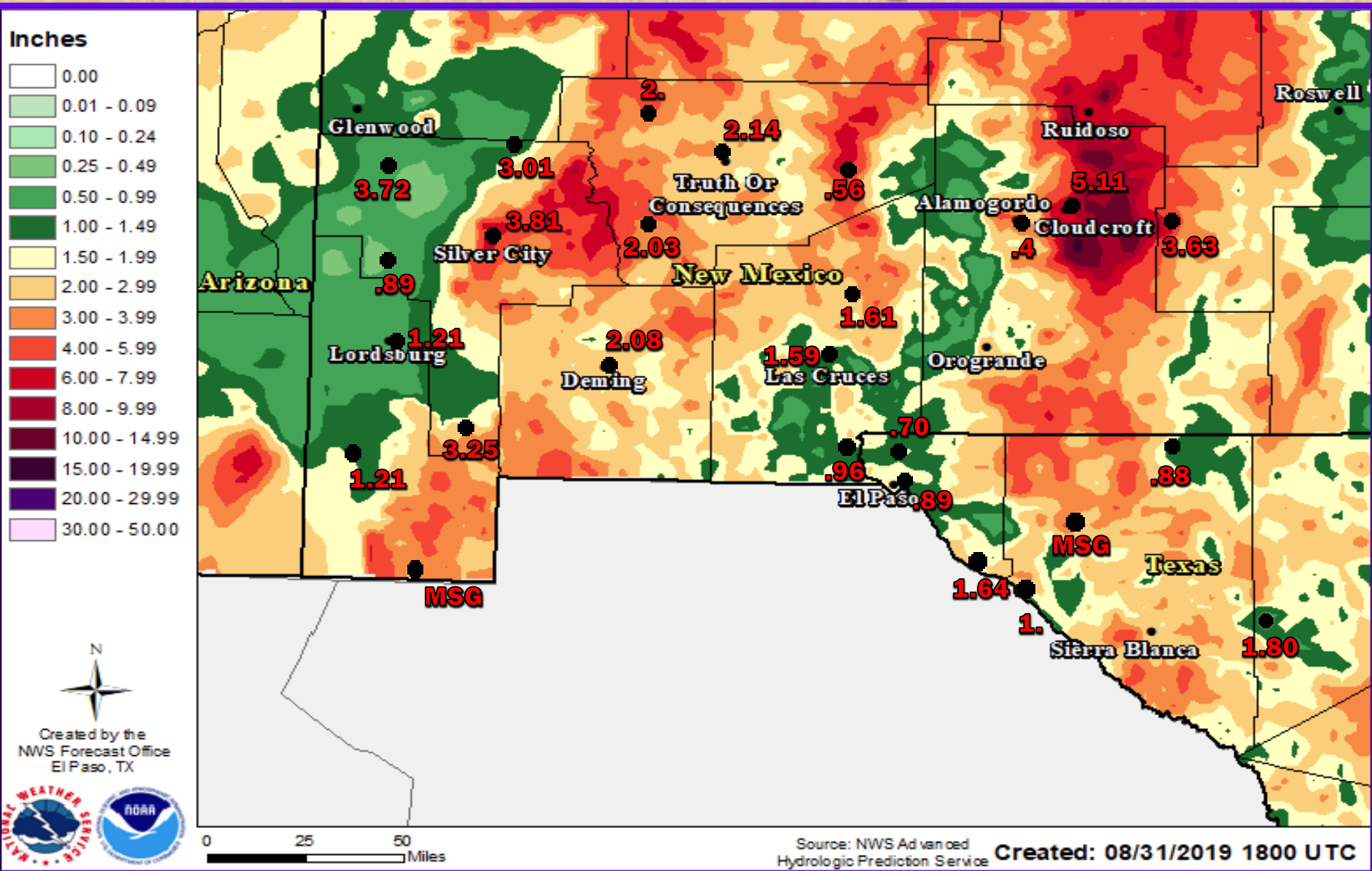
Temperature Outlook Through November 2020



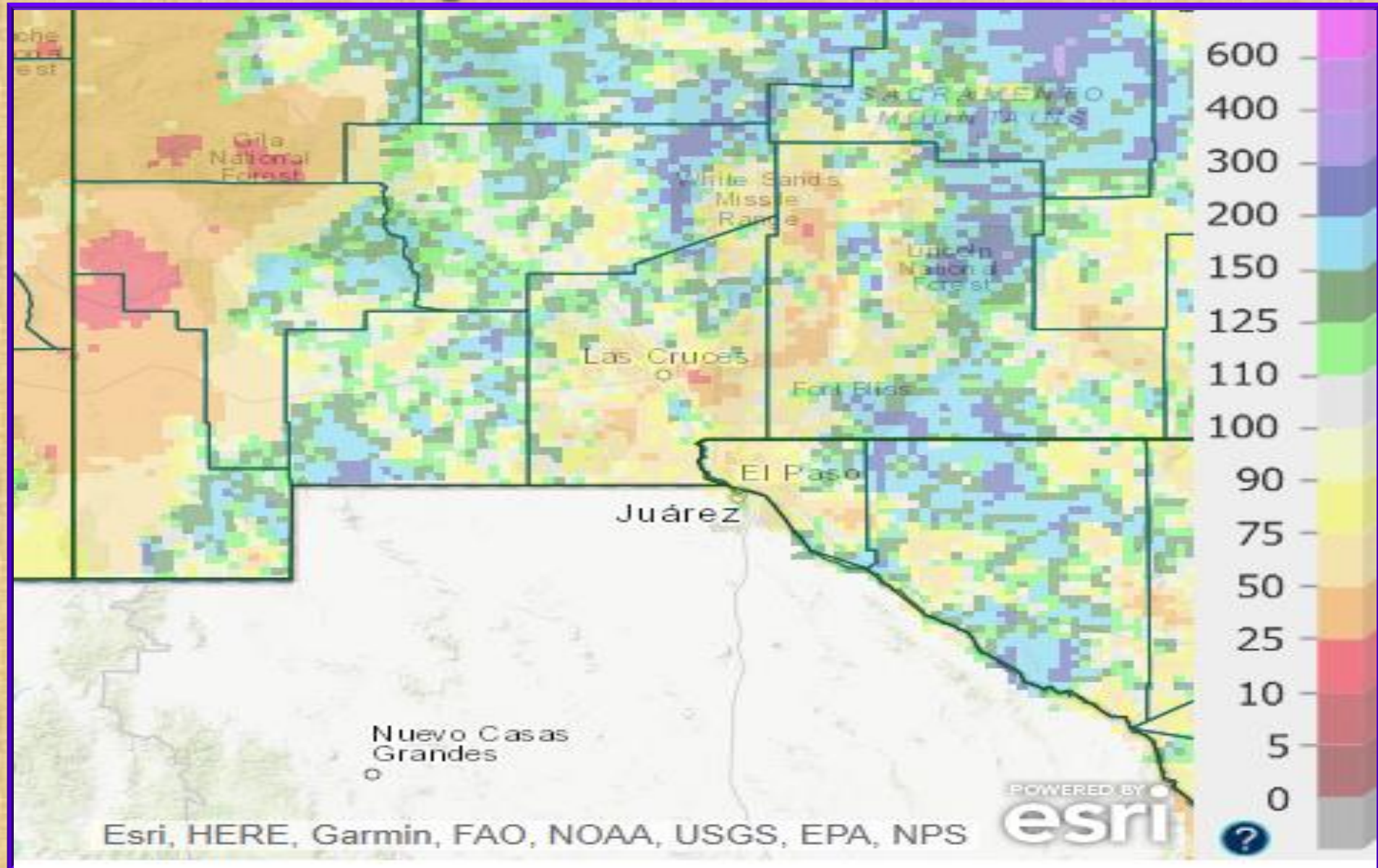
Precipitation Outlook Through November 2020



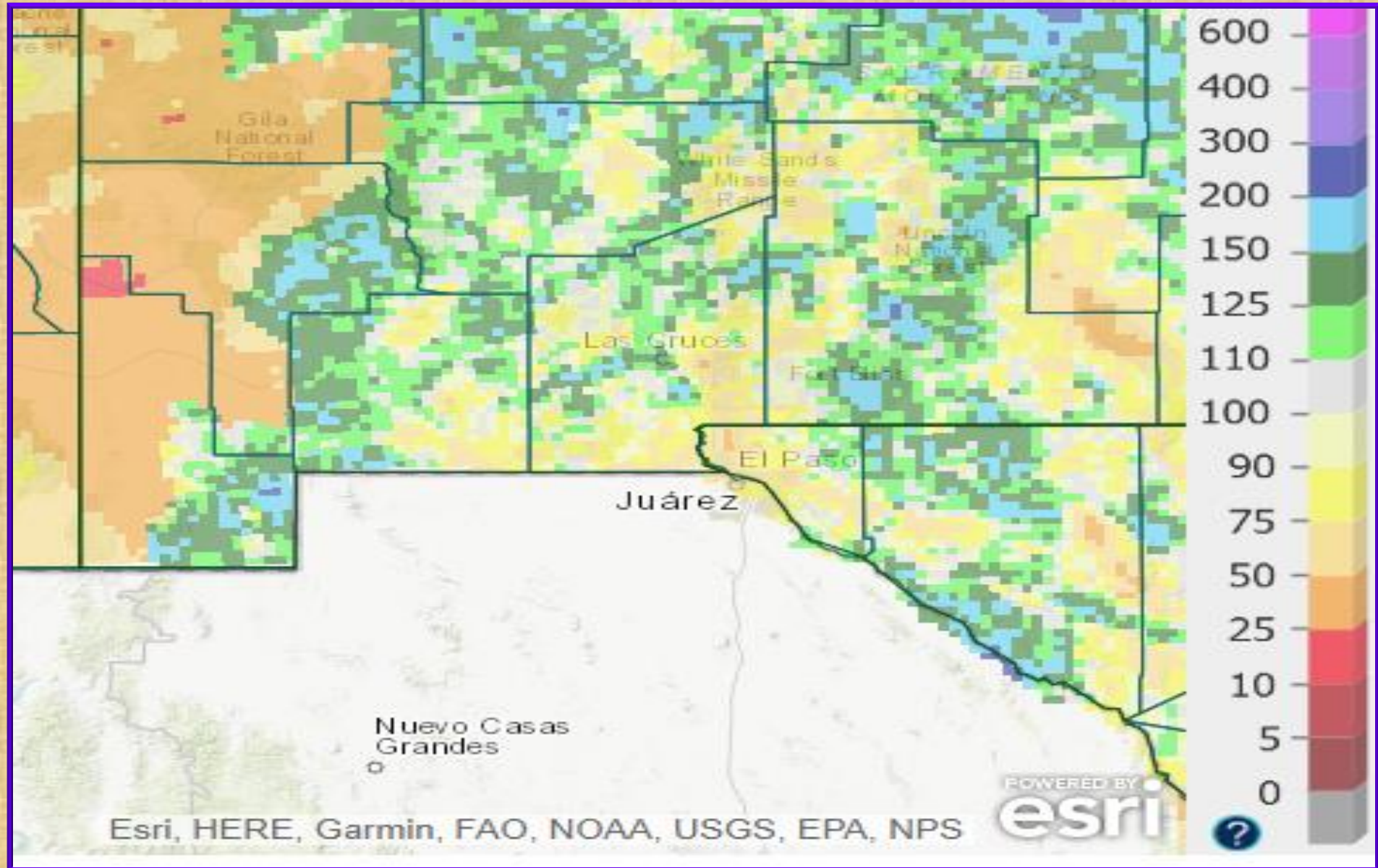
August 2019 radar rainfall estimate with surface rainfall reports



August 2019 radar rainfall estimate percent of normal



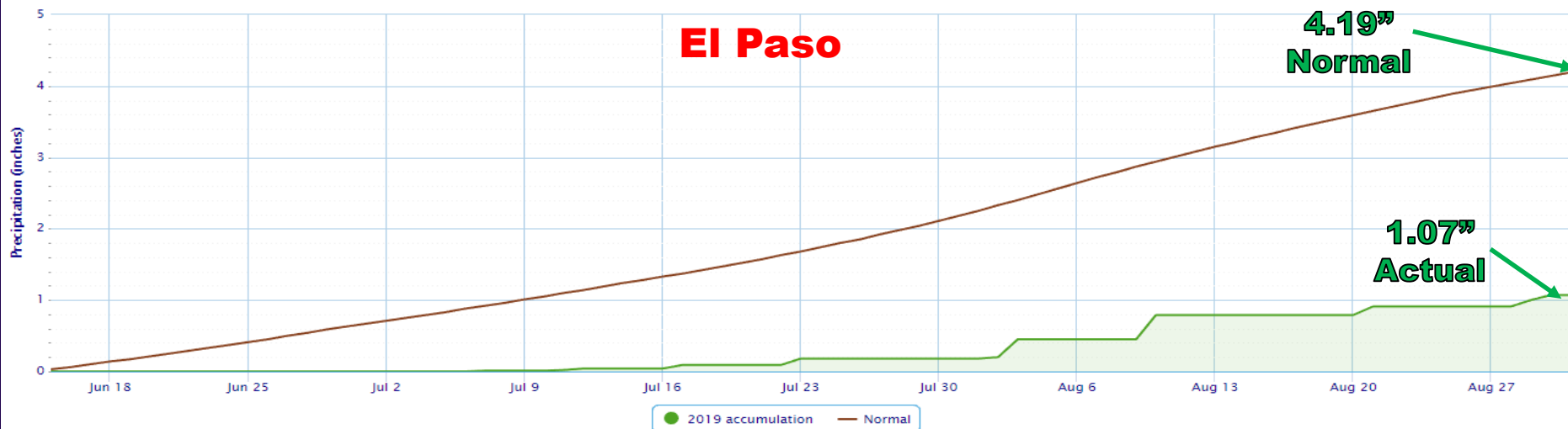
Monsoon (Jun-Aug) Season So Far- Radar Rainfall Estimate Percent of Normal



Monsoon (Jun 15-Aug 31) Season So Far- Rainfall and normals for El Paso and Cloudcroft

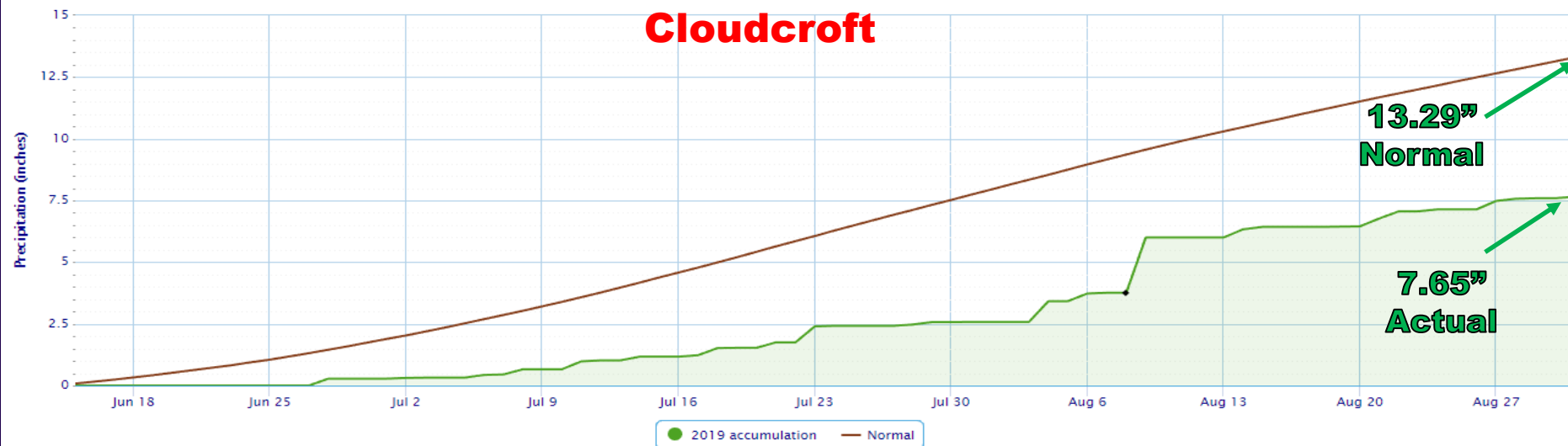
Accumulated Precipitation – El Paso Area, TX (ThreadEx)

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

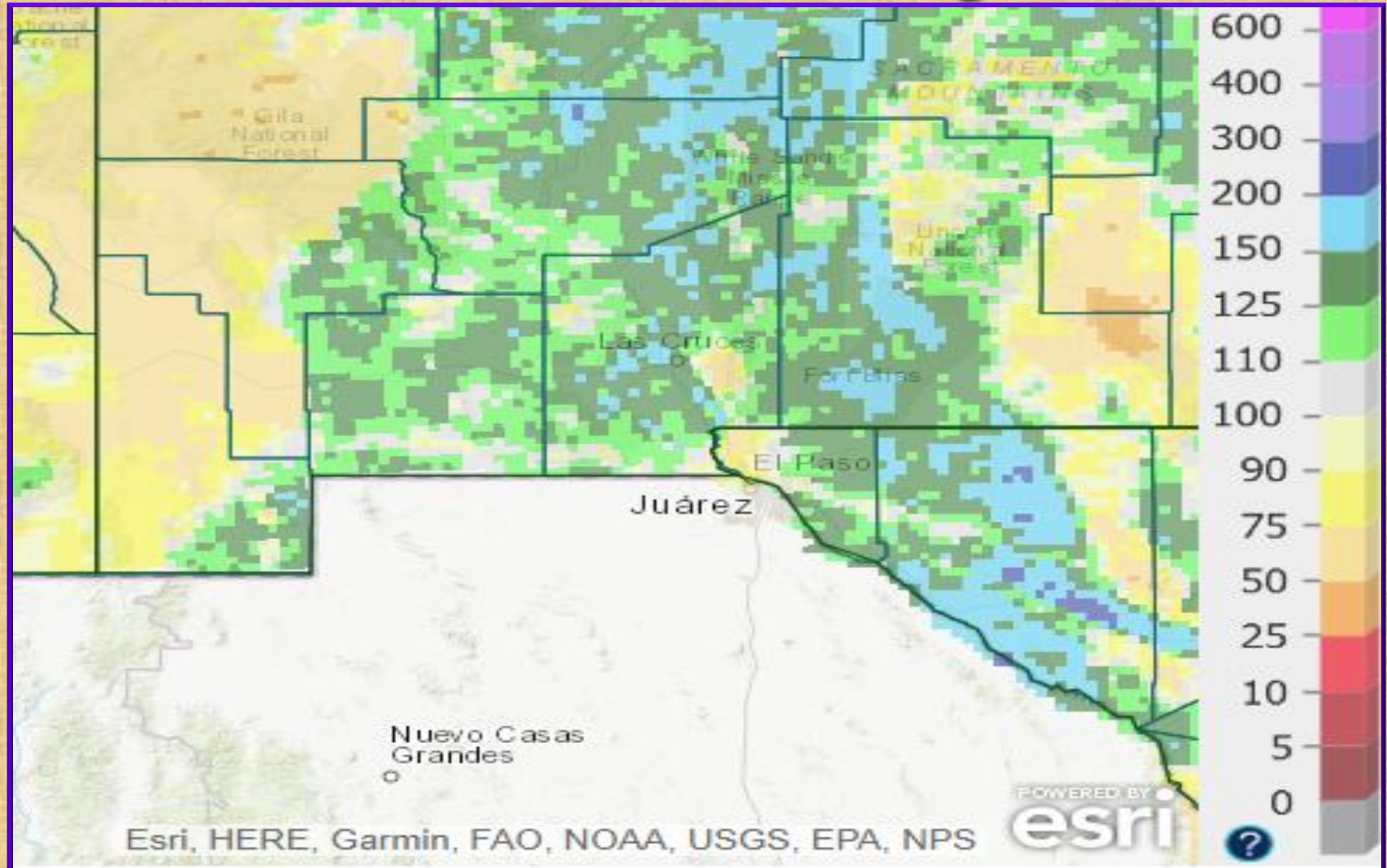


Accumulated Precipitation – CLOUDCROFT, NM

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 August 31)

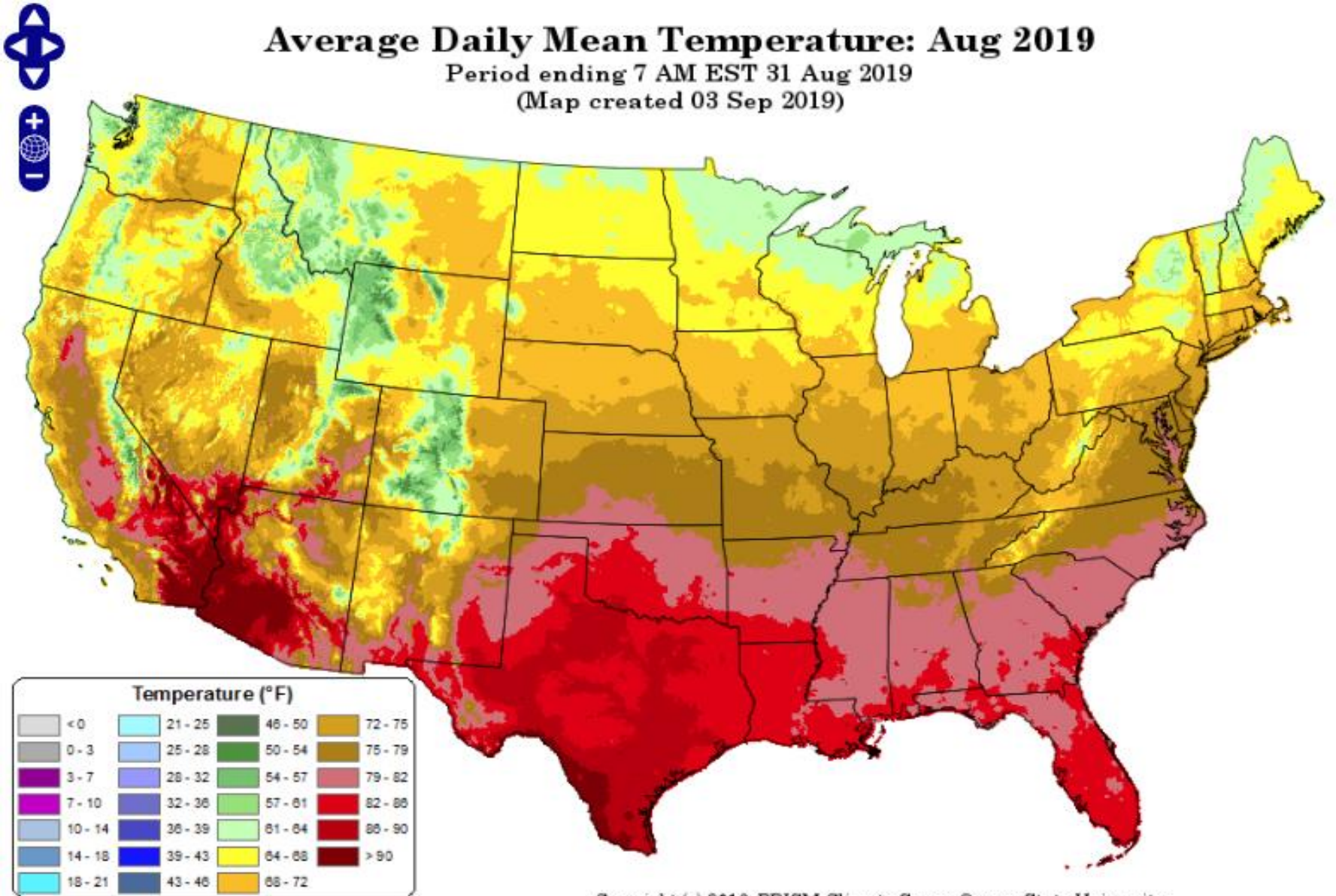


Average Daily Mean Temperature for August 2019

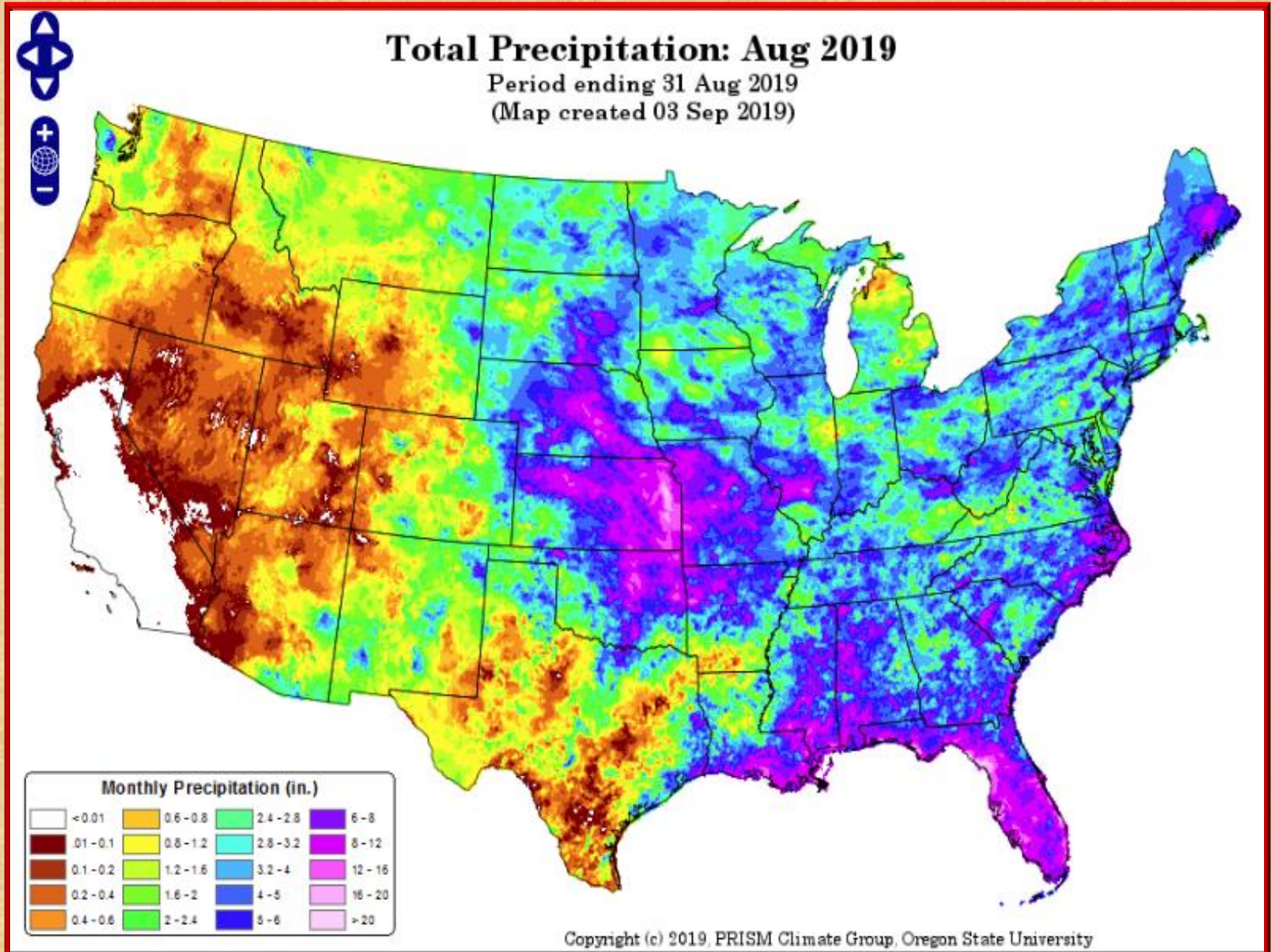
Average Daily Mean Temperature: Aug 2019

Period ending 7 AM EST 31 Aug 2019

(Map created 03 Sep 2019)



Total Precipitation for August 2019



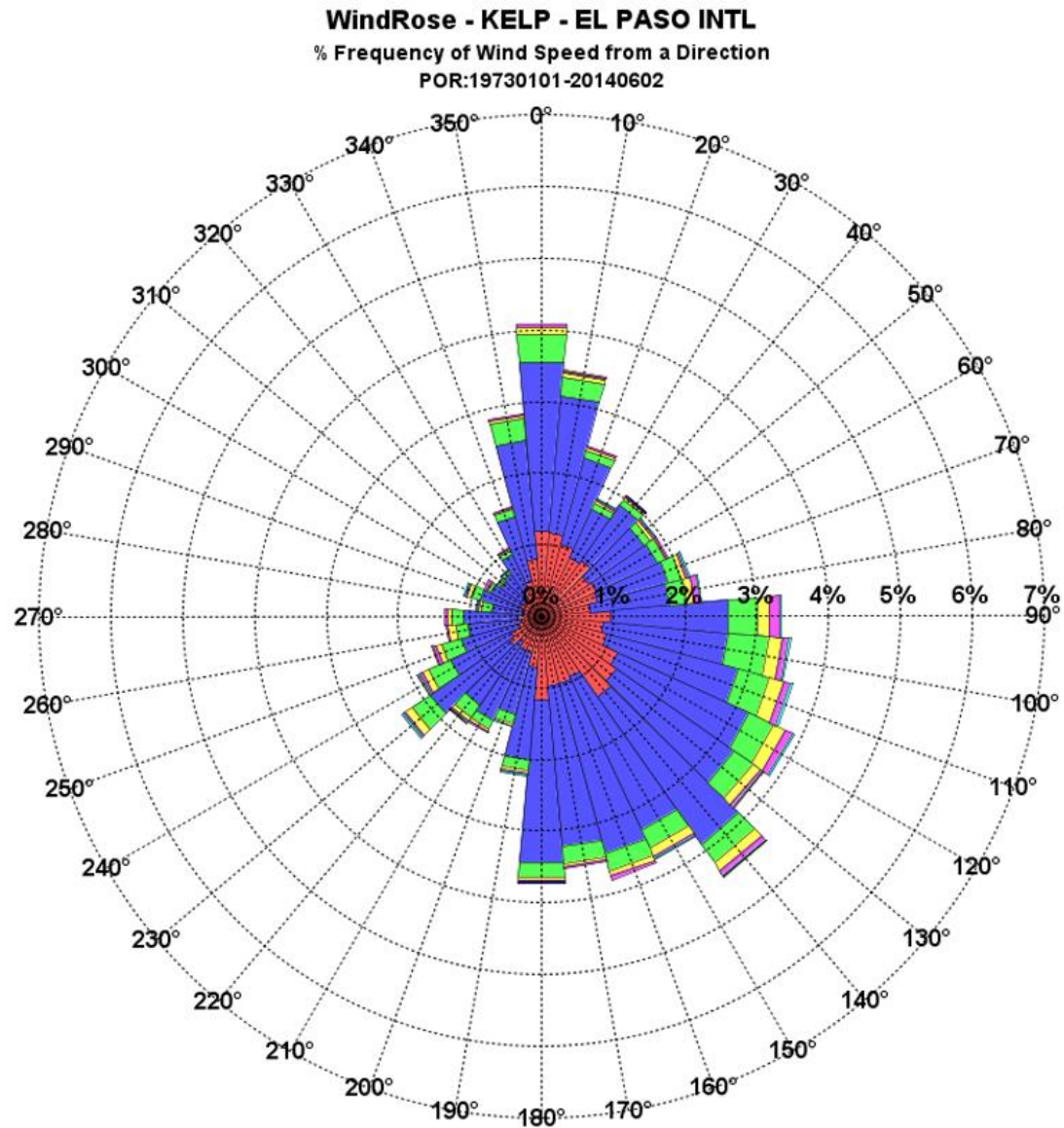
Special Features

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

Month: AUGUST

Calm: 10.33%

Variable: 9.31%



Selected weather reports August 2019

| Date/Time | Location (County) | Event |
|------------------|---------------------------------|-------------------------|
| AUGUST 14 837 PM | EL PASO 3NW-EL PASO | 57 MPH WIND GUST-TSTORM |
| AUGUST 14 730 PM | OROGRANDE 4NW-OTERO | 55 MPH WIND GUST-TSTORM |
| AUGUST 14 726 PM | DRIPPING SPRINGS-DONA ANA | 55 MPH WIND GUST-TSTORM |
| AUGUST 14 715 PM | WSMR MAIN POST-DONA ANA | 54 MPH WIND GUST-TSTORM |
| AUGUST 22 500 PM | MIMBRES-GRANT | 1.06 INCH HEAVY RAIN |
| AUGUST 27 635 PM | CORONADO HILLS, EL PASO-EL PASO | 1.75 INCH HAIL |
| AUGUST 27 655 PM | UT EL PASO-EL PASO | 1.75 INCH HAIL |
| AUGUST 28 200 AM | OLIVER LEE STATE PARK-OTERO | 1.50 INCH HAIL |

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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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.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**

