

October 2019 Weather Digest



October 2019 Weather Summary

October turned out to be a fairly active month, with the first portion of the month mild and wet, while the month finished with dry and cool weather. The month started out with a prolonged period of southwest flow, which brought up tropical moisture over the first week of the month. In fact the majority of sites saw almost their entire month rain in the first 8 days of October.

The last week or so was dominated by an eastern Pacific Ridge which kept a persistent northwest flow over the area. This pattern allows cold fronts from the central U.S. and Canada to penetrate in to our area every 2 to 4 days.

The final cold front pushed through on the 29th and 30th, bringing the coldest low temperatures of the season to the area, with record low temperatures on the last day of the month for many localities.

The autumn first freeze came for most sites during October. The mountain areas experienced their first freeze during the first two weeks of the month, which was about 1 to 2 weeks later than normal. The lowlands all saw their first freeze the last week of the month, which is about 1 to 2 weeks earlier than normal.

October 2019 Weather Summary, cont'd

Precipitation for the month was above normal for most areas, especially Luna County and much of the area east of the Rio Grande Valley. Most of the area west of the Continental Divide were drier than normal, and hence very mild drought conditions existed in much of this area.

October for the majority of the month was well above normal for temperatures, but the last chilly week brought the averages closer to normal. For the month, most sites saw their average high temperatures a bit below normal, while their average low temperatures were a bit above normal—resulting in most average mean temperatures just above normal.

Looking ahead to November, daylight continues to decrease but the rate begins to slow down as we near the Winter Solstice in December. Our daylight decreases from 10 hours and 54 minutes on the 1st, to 10 hours and 15 minutes on the last day of the month. For full moon viewers, our full moon for November will occur on the 19th at around 9 pm. The average high temperature for El Paso is 72 degrees on the 1st, and 60 degrees on the 30th.

**October 4 Tornado near
Hermanas, NM**



October 5 Sunrise at El Paso



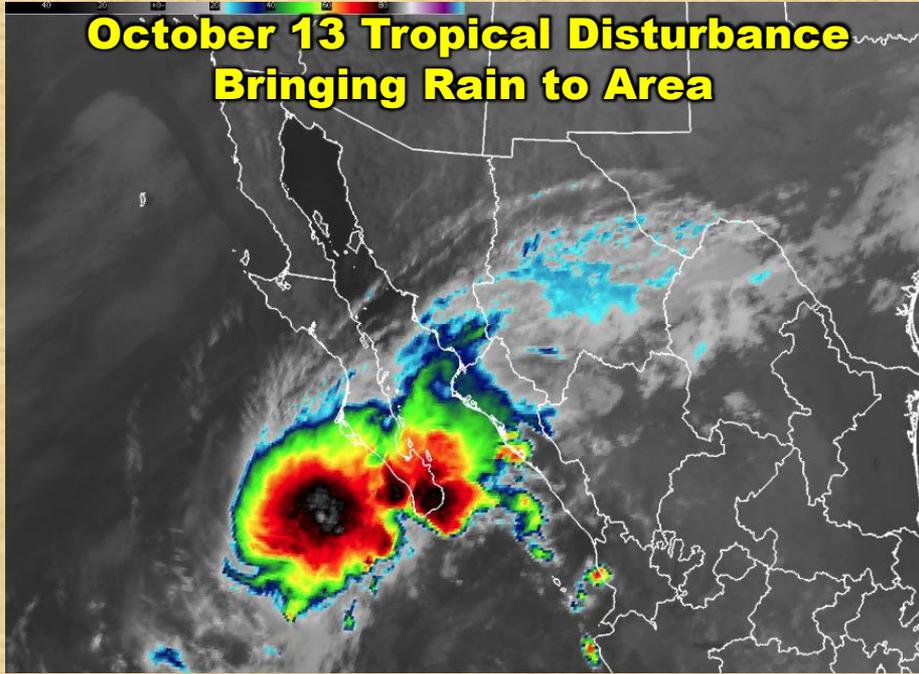
**October 9 Fog near
Las Cruces**



October 8 Lightning



**October 13 Tropical Disturbance
Bringing Rain to Area**



**Rio Grande nearing
the end of October**



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.

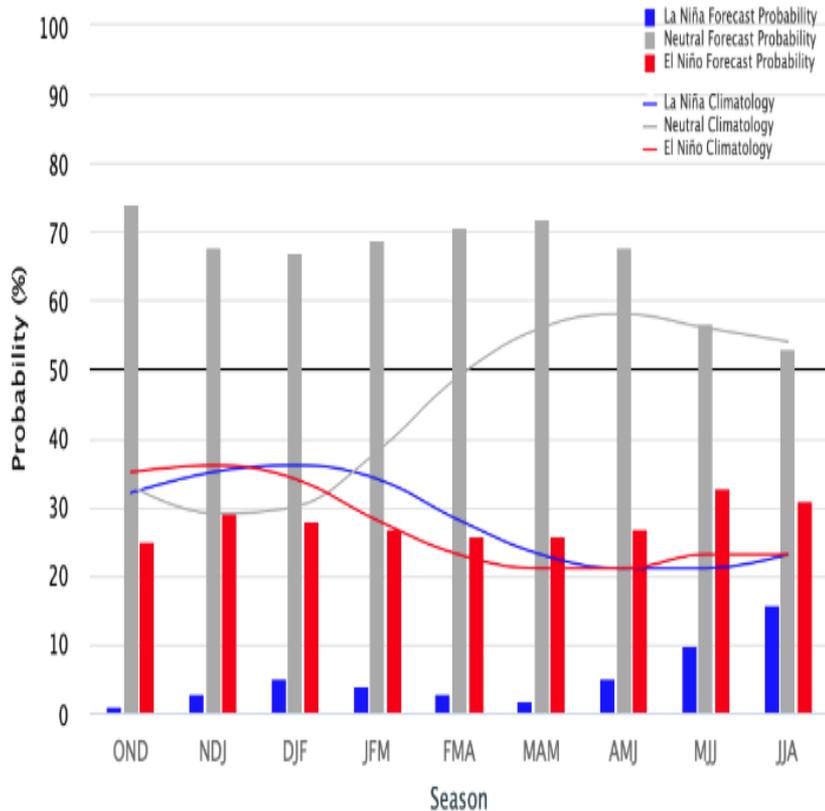
ENSO Forecast

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

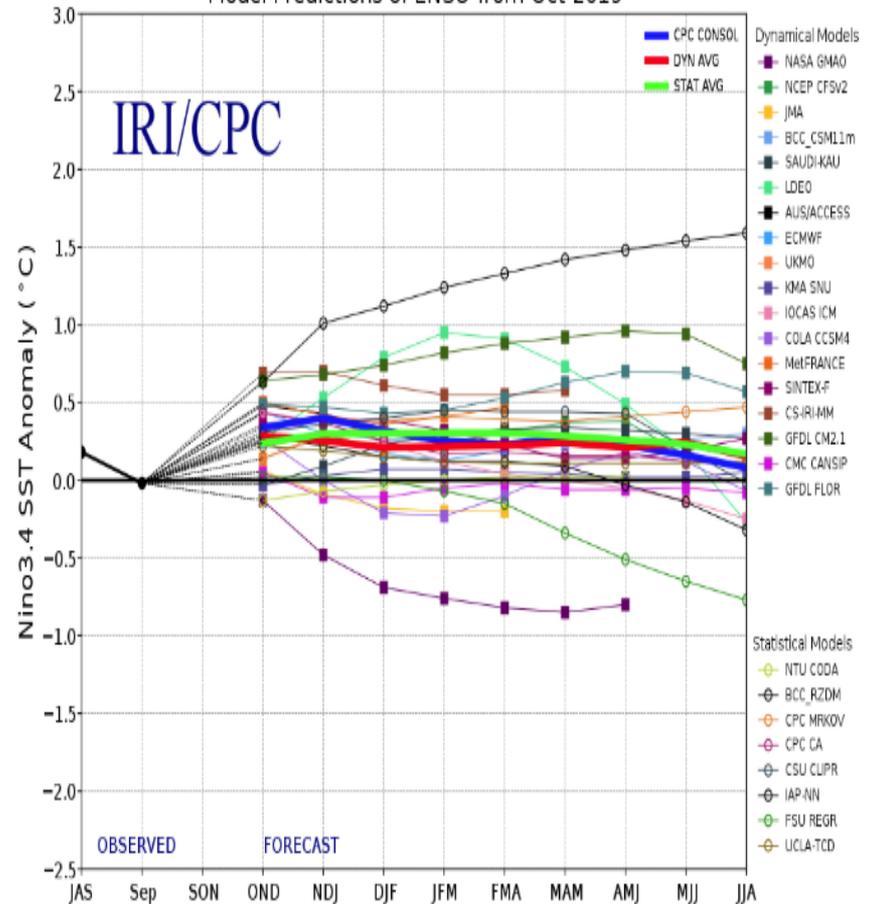
Mid-October 2019 IRI/CPC Model-Based Probabilistic ENSO Forecasts

ENSO state based on NINO3.4 SST Anomaly

Neutral ENSO: -0.5°C to 0.5°C



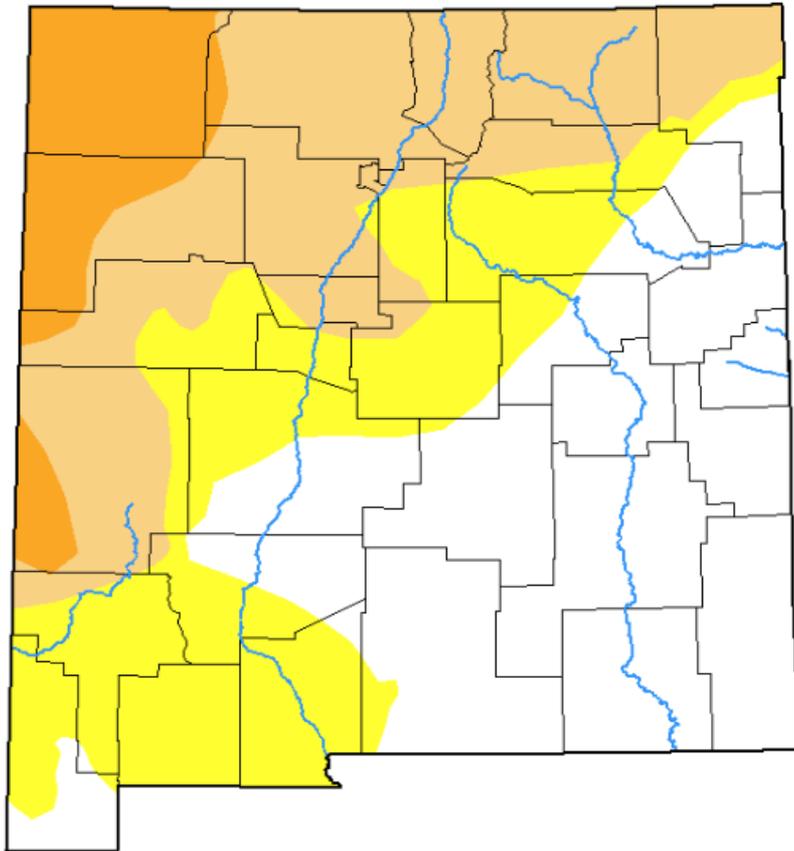
Model Predictions of ENSO from Oct 2019



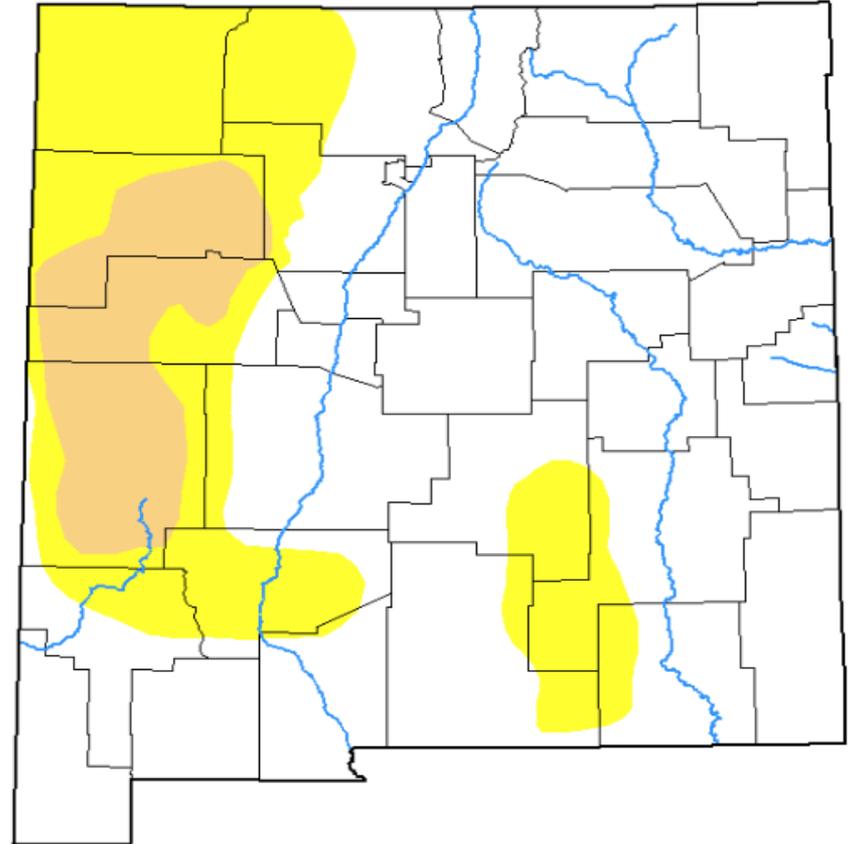
Current drought conditions for New Mexico and 3 month change

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

October 22, 2019



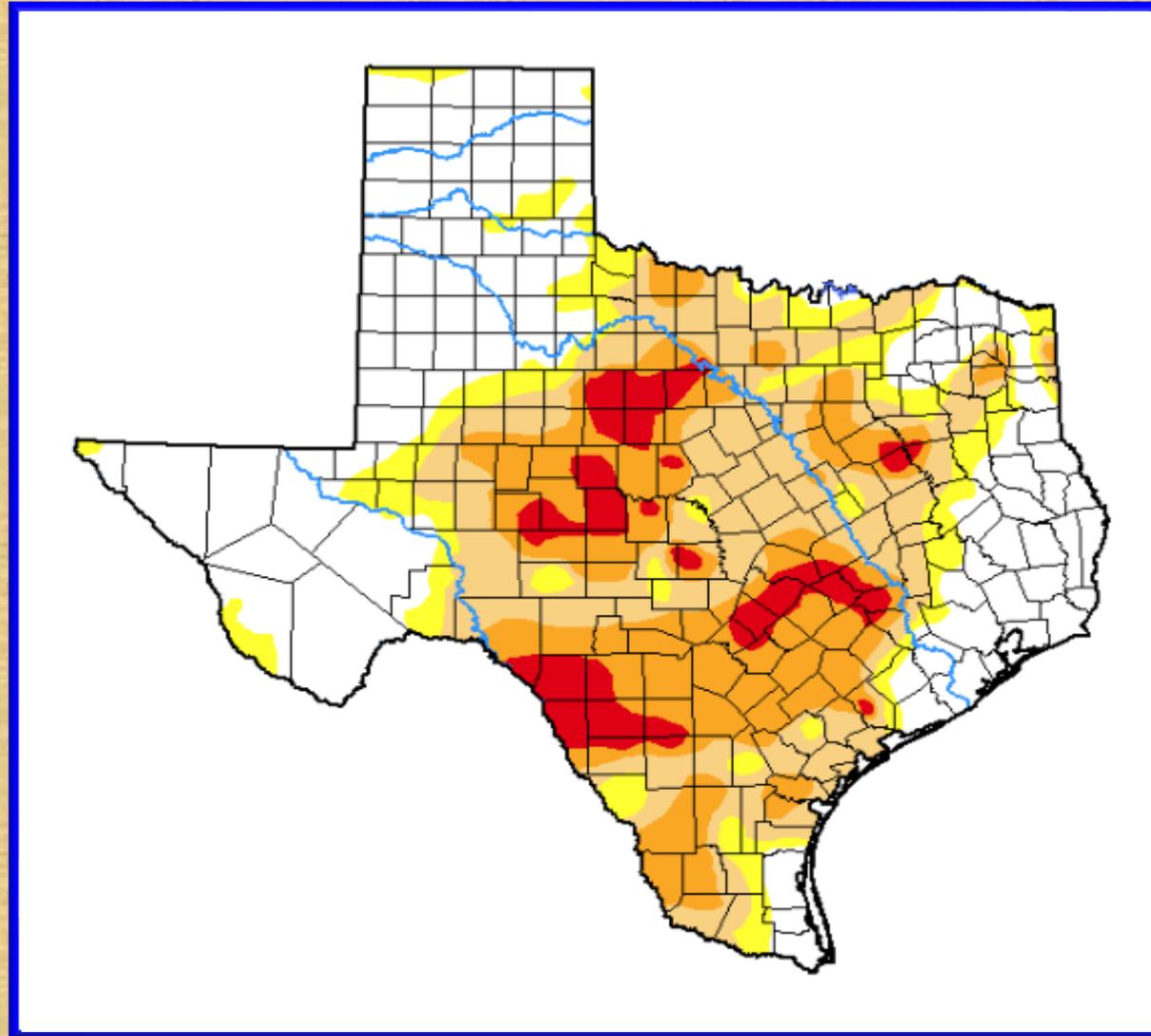
July 30, 2019



Current drought conditions for Texas as of October 22, 2019

Intensity:

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



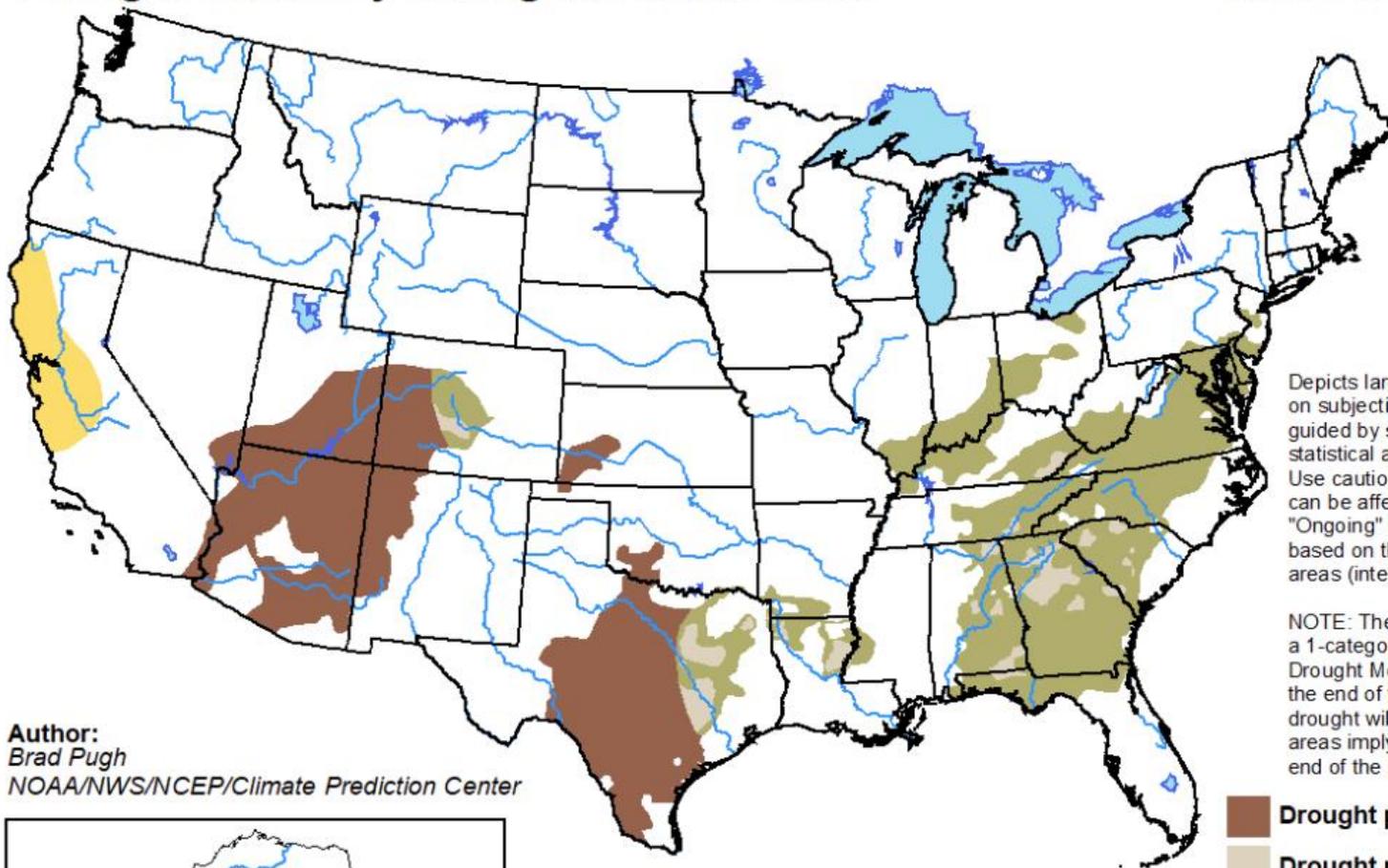
Build your own custom slider maps here at:

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

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

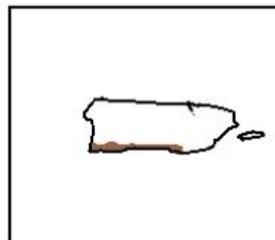
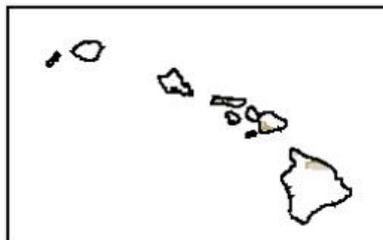
Valid for October 17, 2019 - January 31, 2020
Released October 17, 2019



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

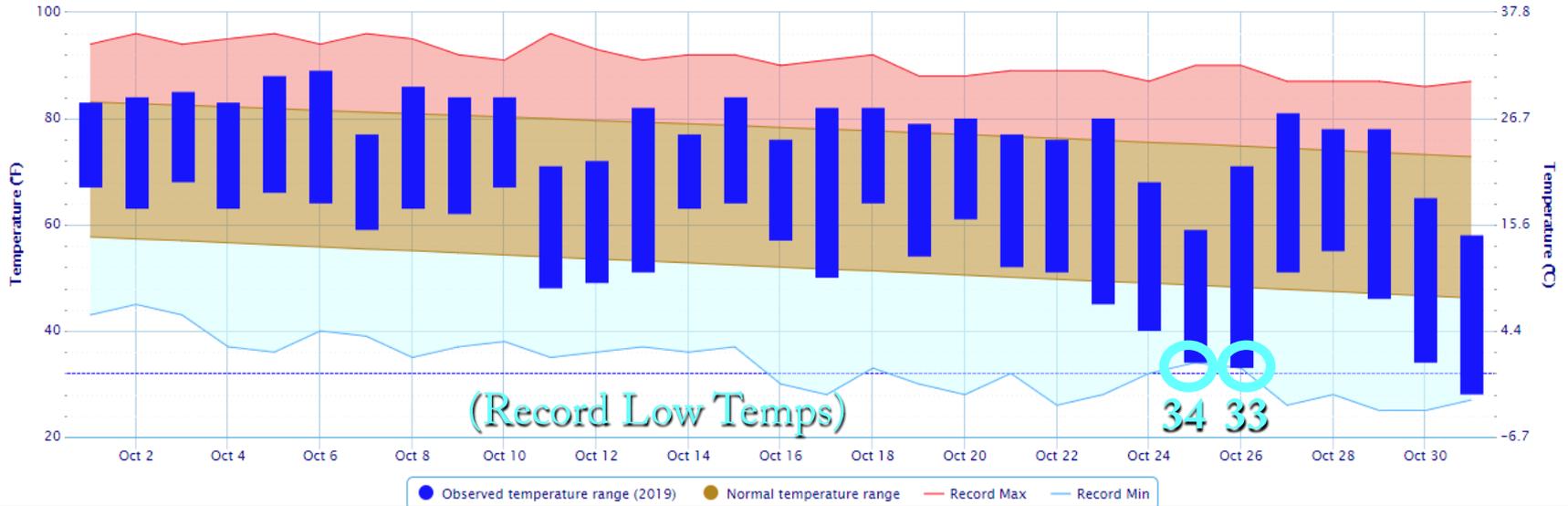


<http://go.usa.gov/3eZ73>

Temperature and precipitation data for October 2019 in El Paso

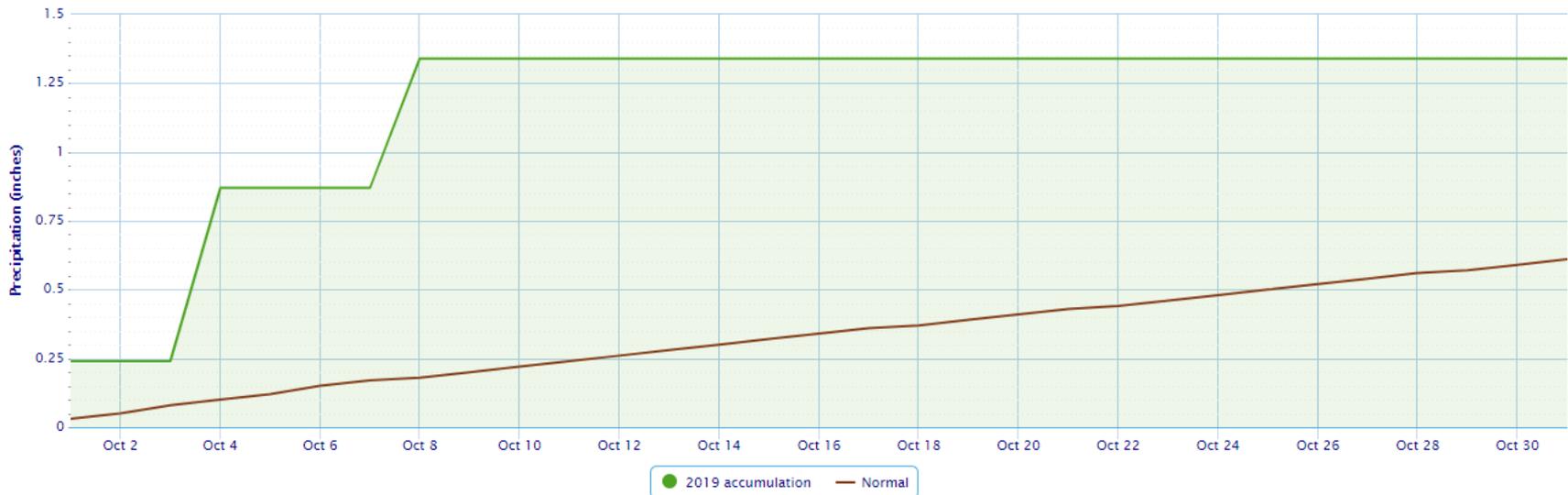
Daily Temperature Data – El Paso Area, TX (ThreadEx)

Period of Record – Max temperature: 1887-01-01 to 2019-10-31; Min temperature: 1879-01-01 to 2019-10-31. Normals period: 1981-2010. Click and drag to zoom chart.

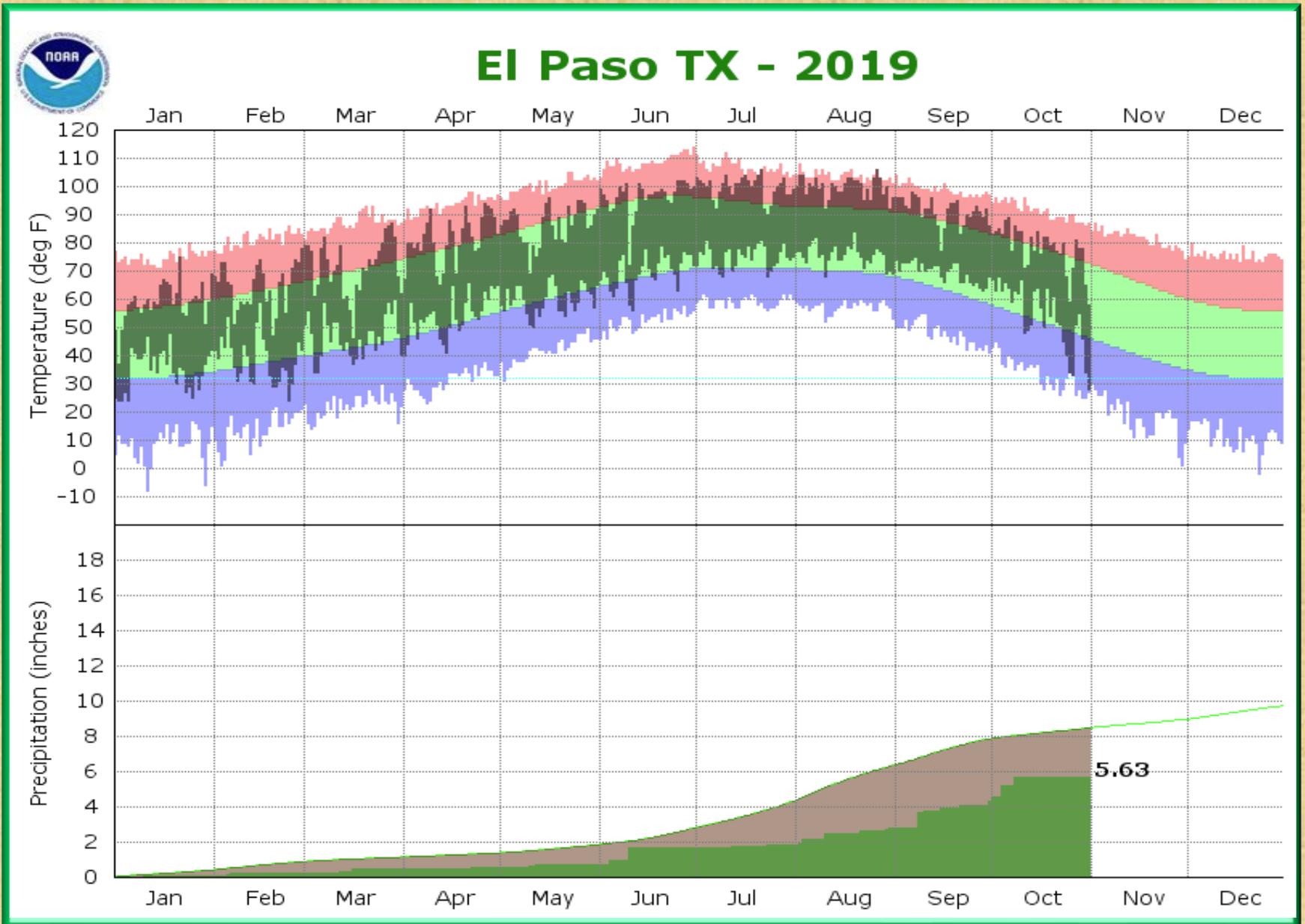


Accumulated Precipitation – El Paso Area, TX (ThreadEx)

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



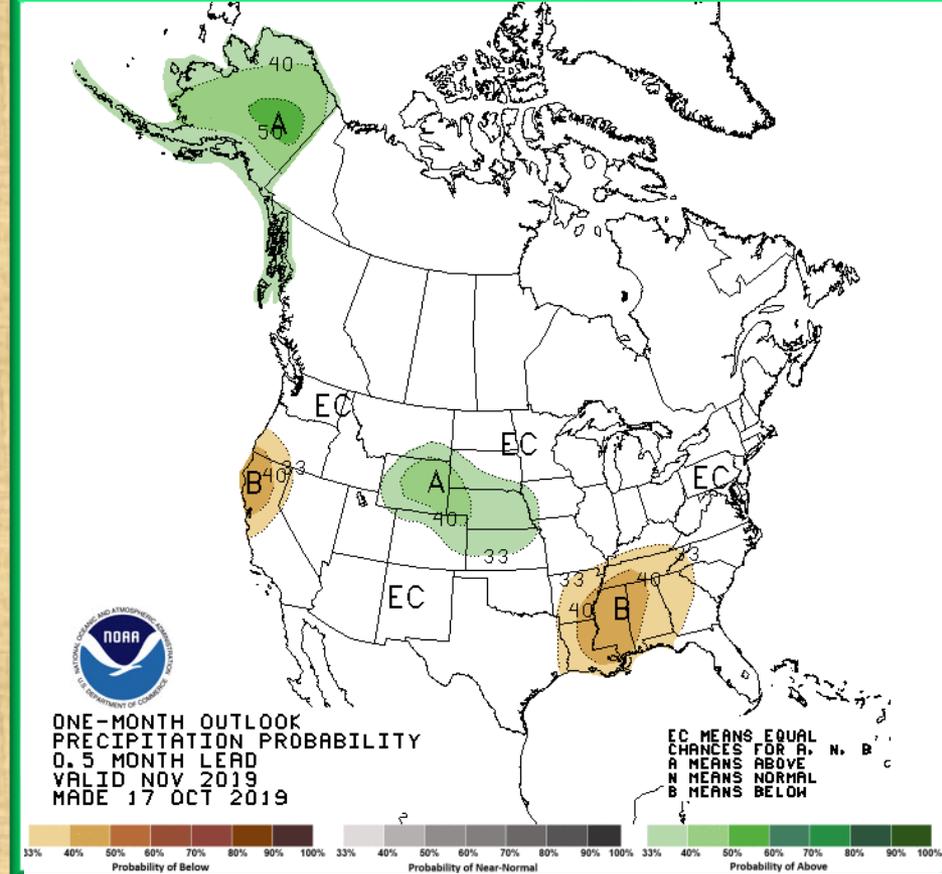
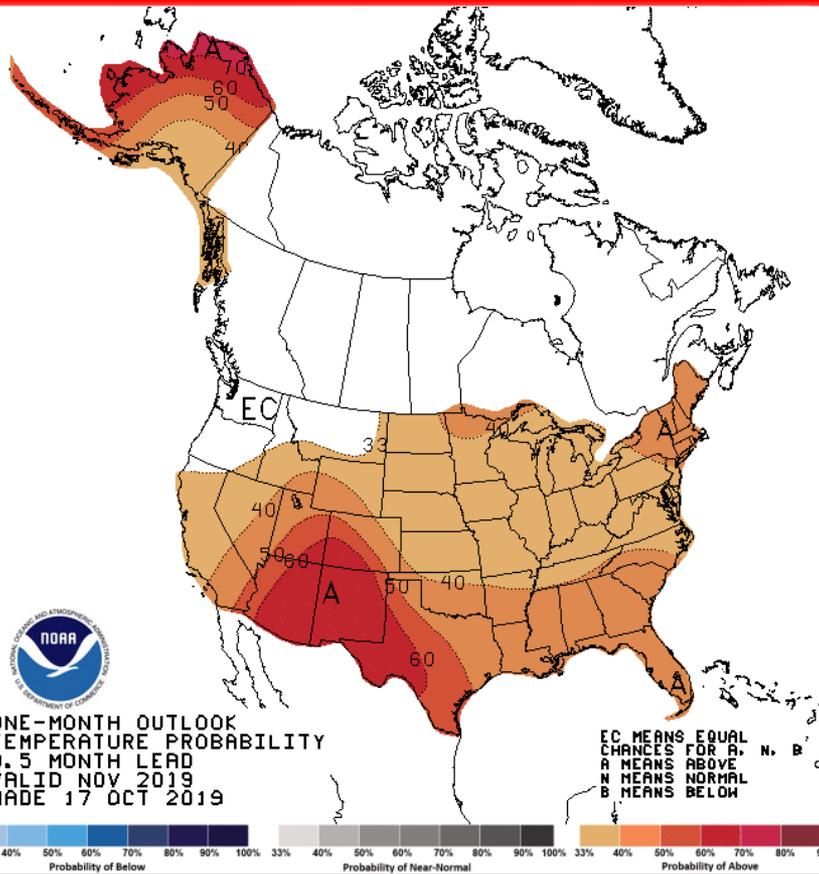
2019 year-to-date temperature and precipitation data El Paso



Temperature and precipitation outlook for November 2019

Temperature

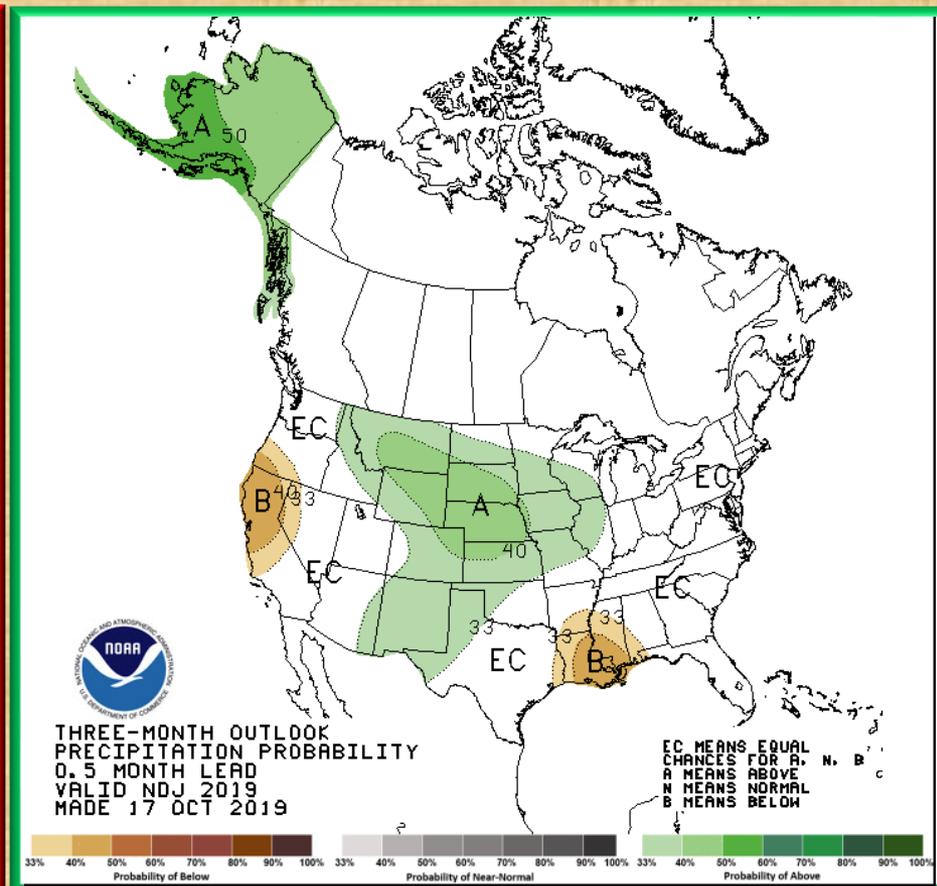
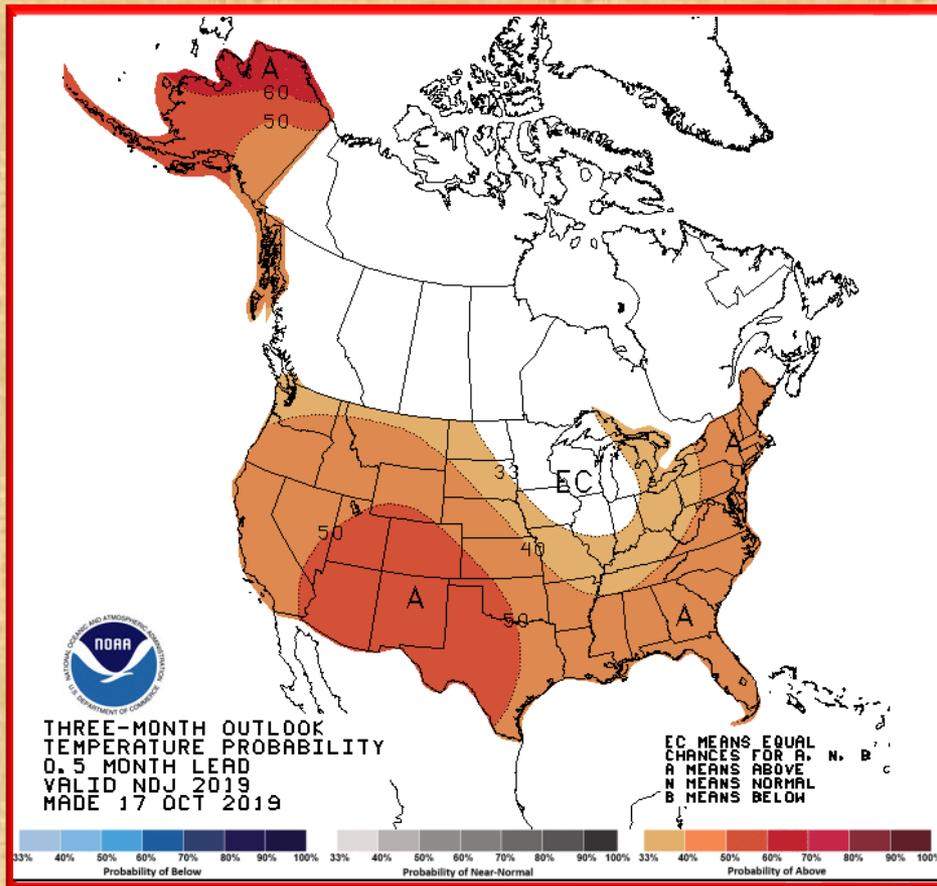
Precipitation



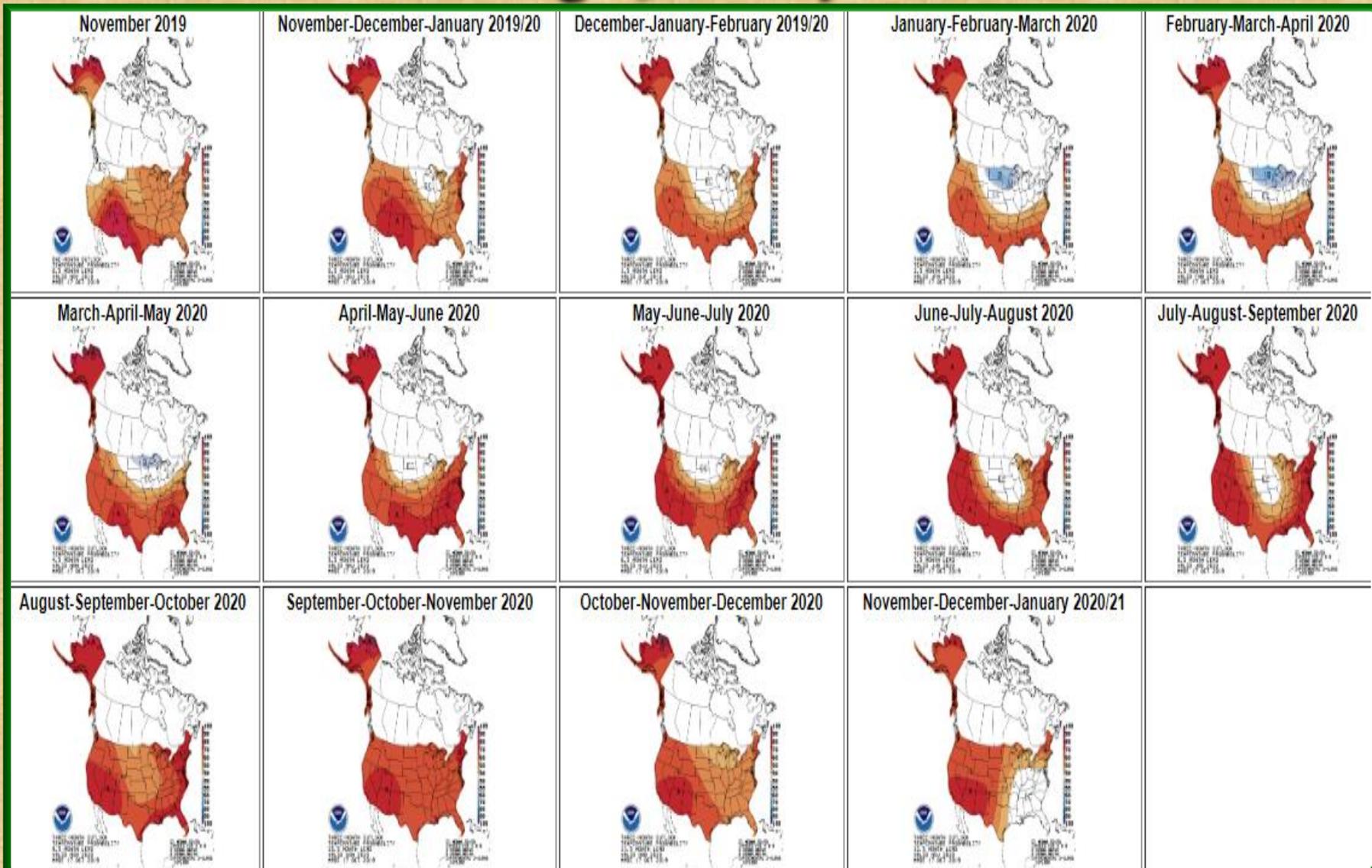
Temperature and precipitation outlook For November-January 2019

Temperature

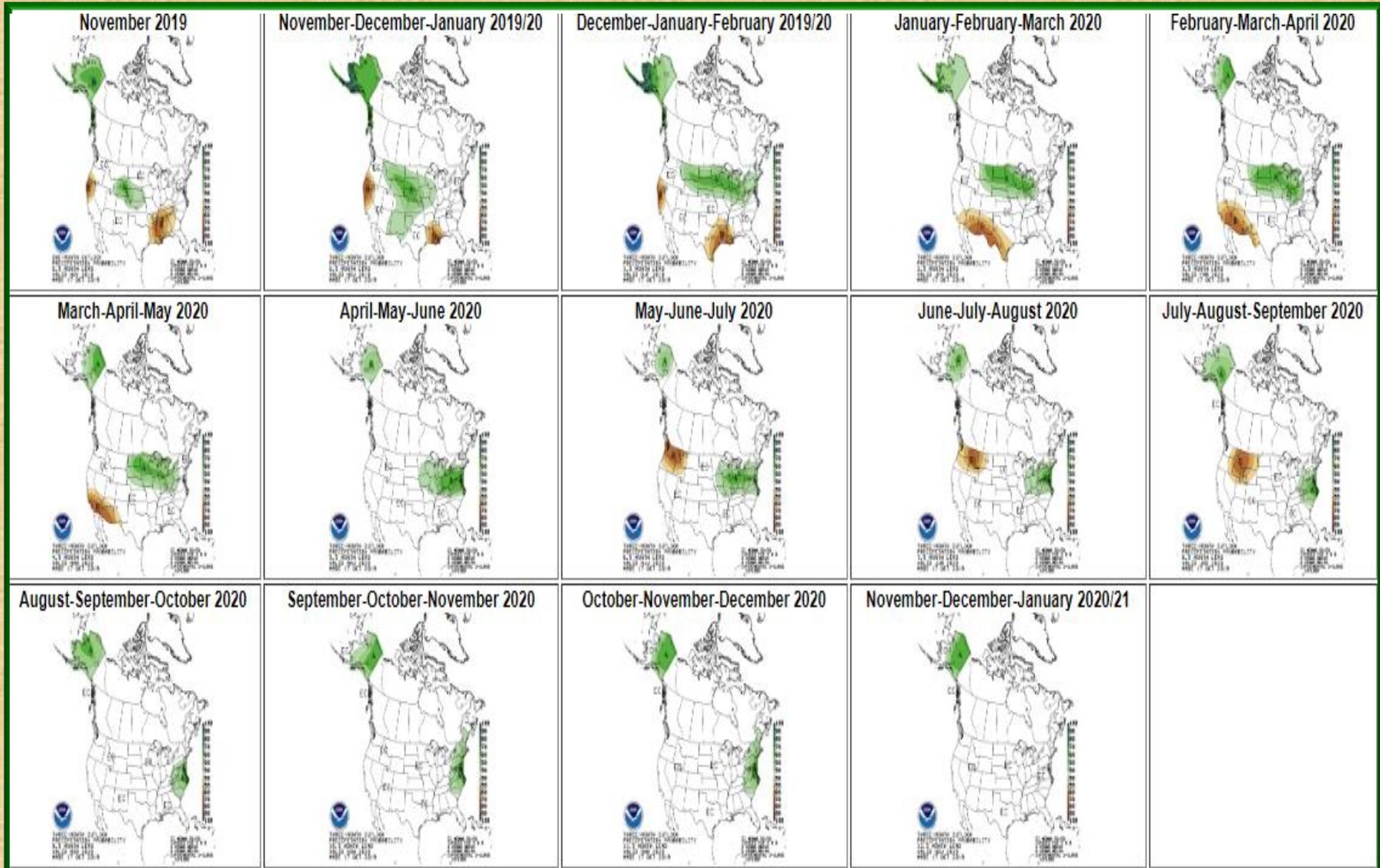
Precipitation



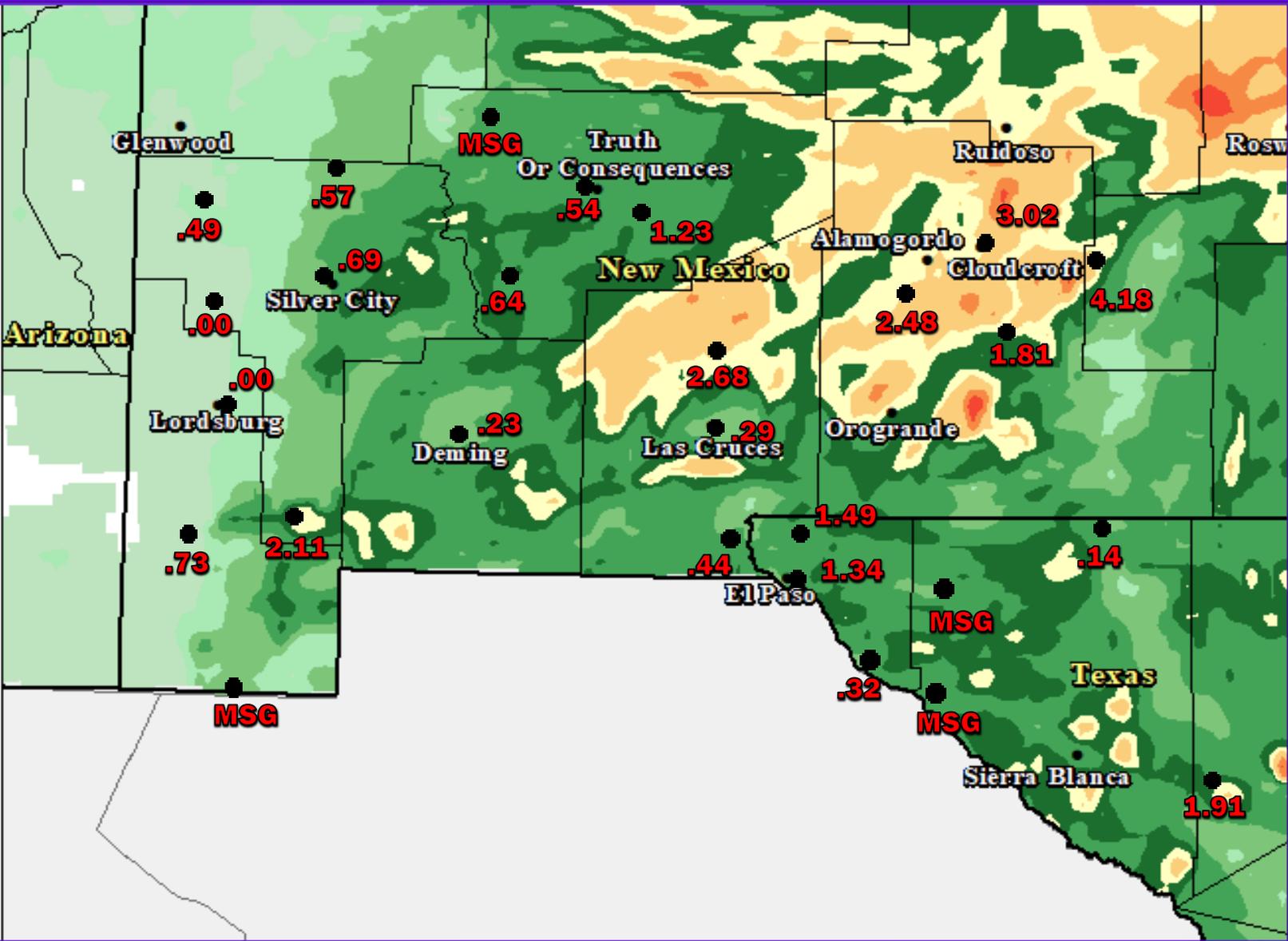
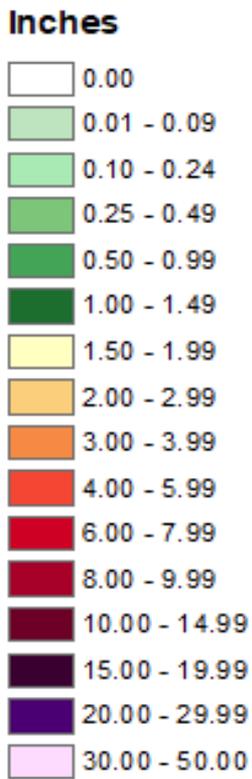
Temperature Outlook Through January 2021



Precipitation Outlook Through January 2021

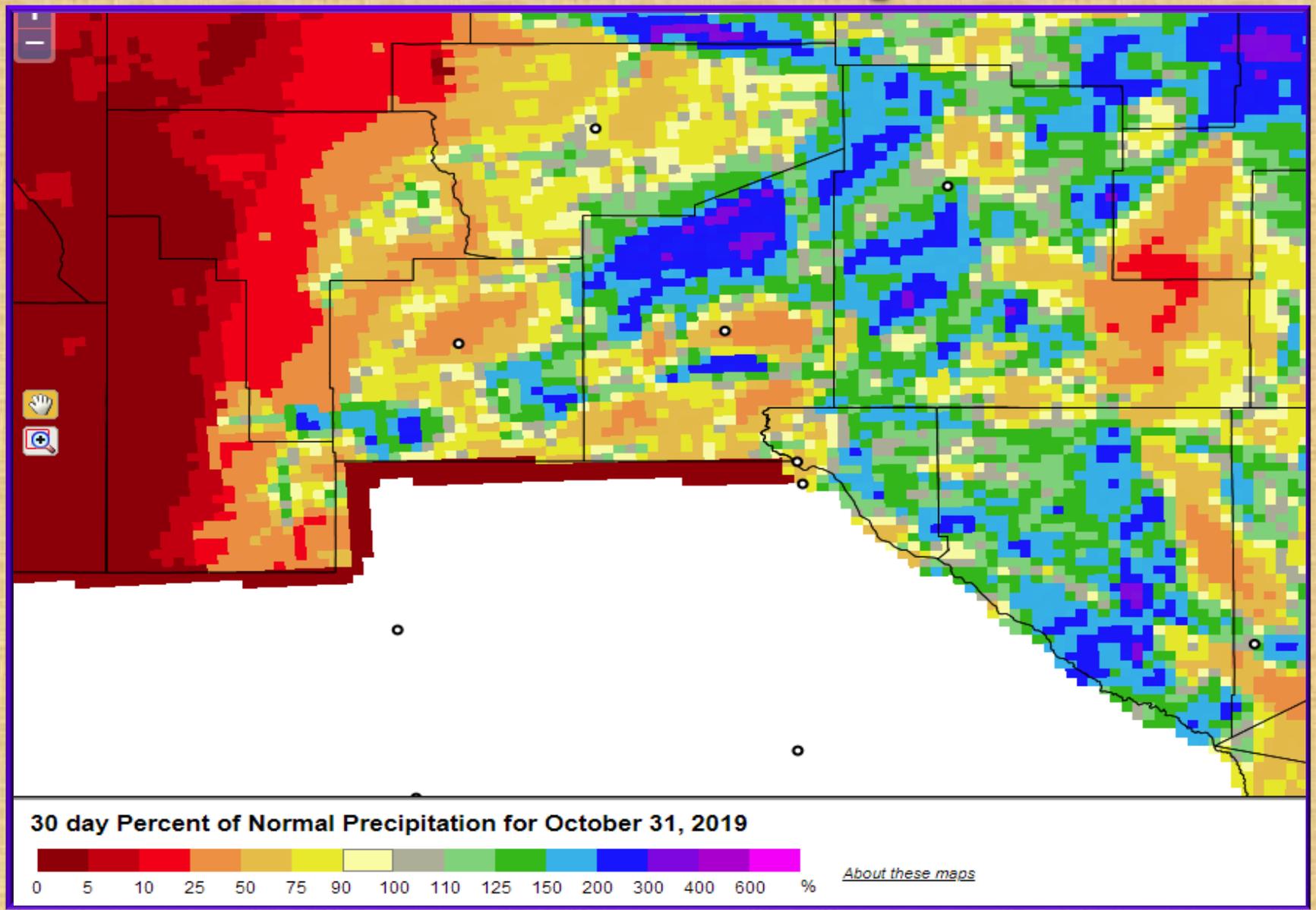


October 2019 radar rainfall estimate with surface rainfall reports



Created by the
NWS Forecast Office
El Paso, TX

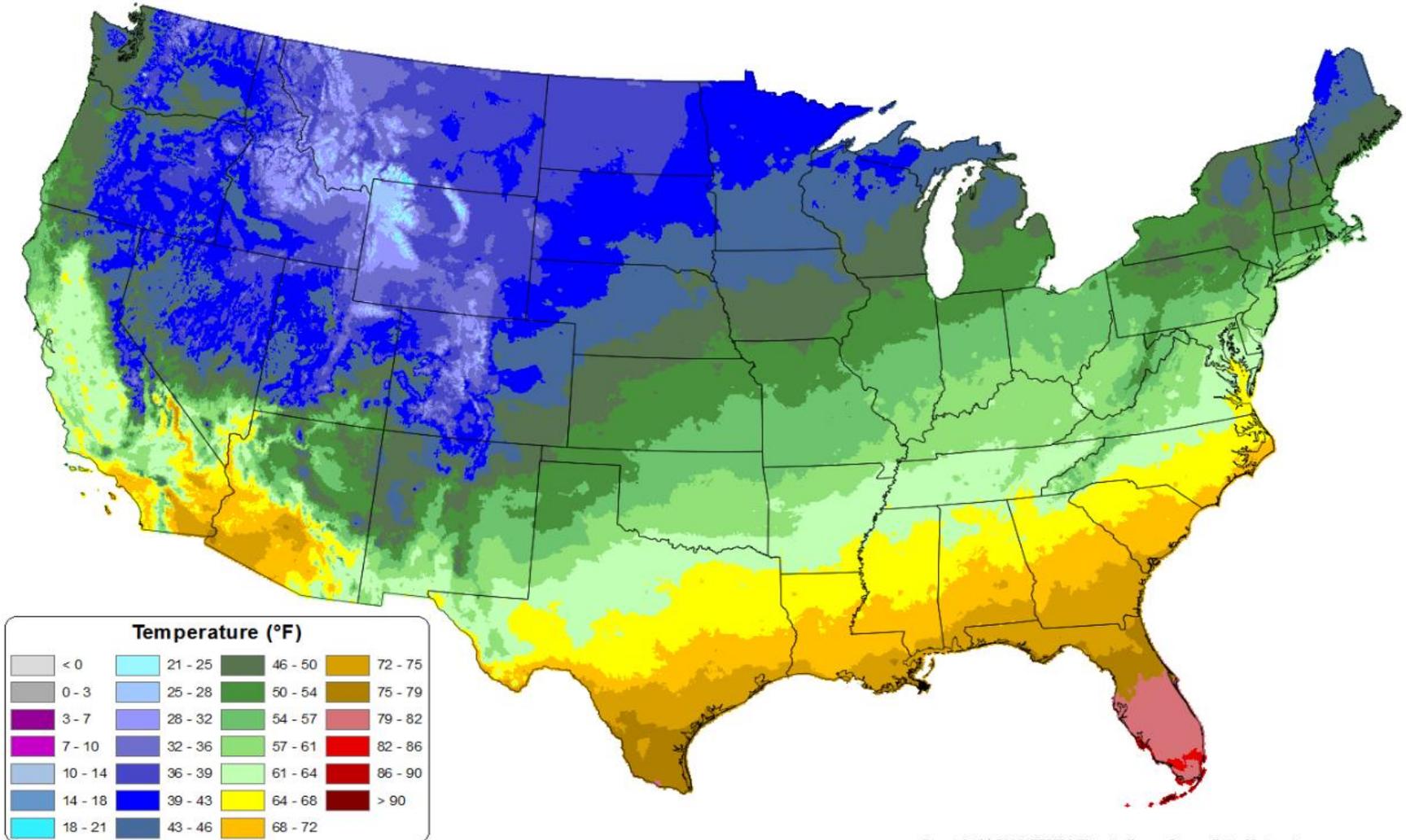
Radar rainfall estimate percent of normal for the Water Year (Oct 1 to present)



Average Daily Mean Temperature for October 2019

Average Daily Mean Temperature: Oct 2019

Period ending 7 AM EST 31 Oct 2019
(Map created 02 Nov 2019)

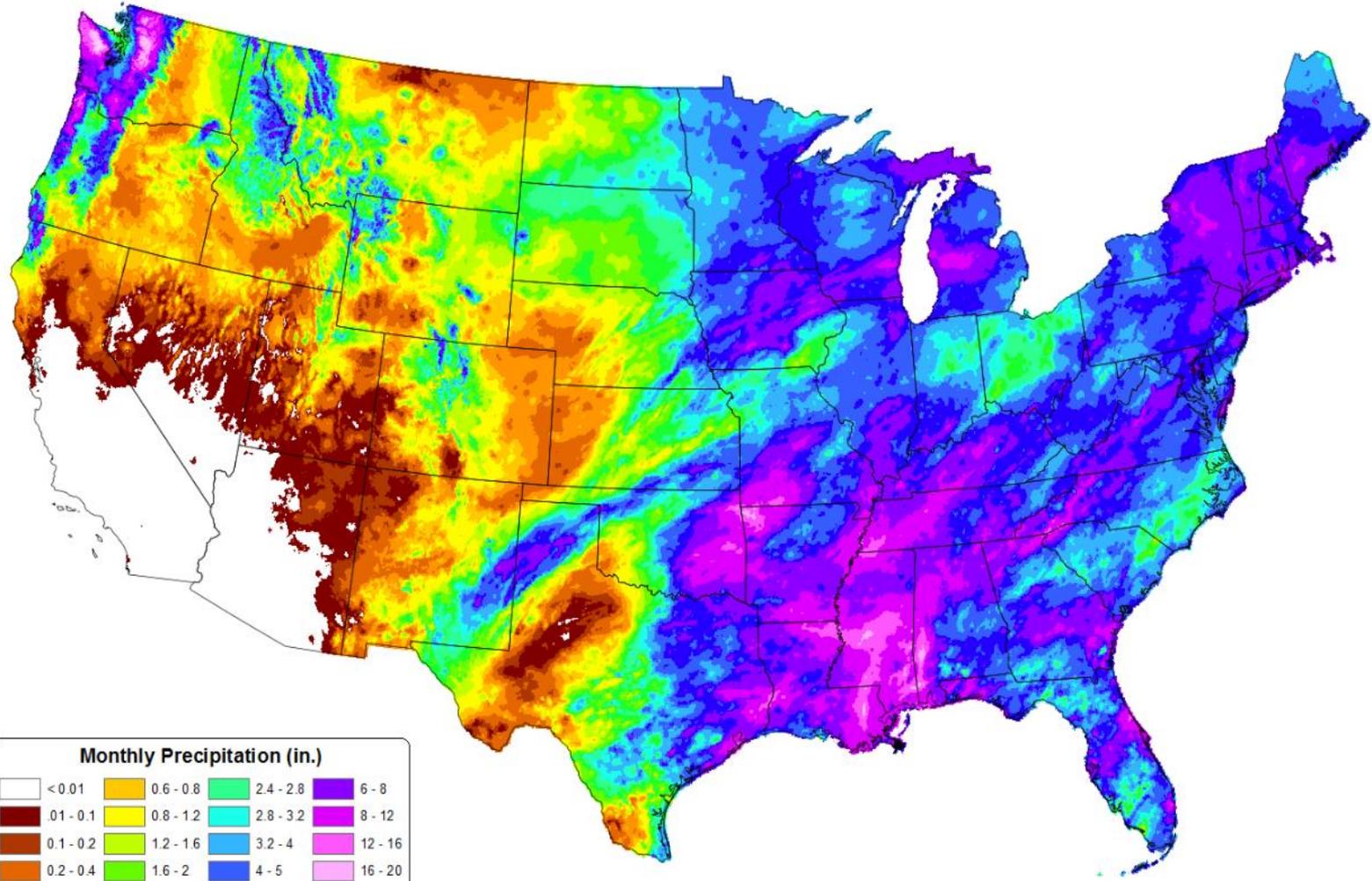


Total Precipitation for October 2019

Total Precipitation: Oct 2019

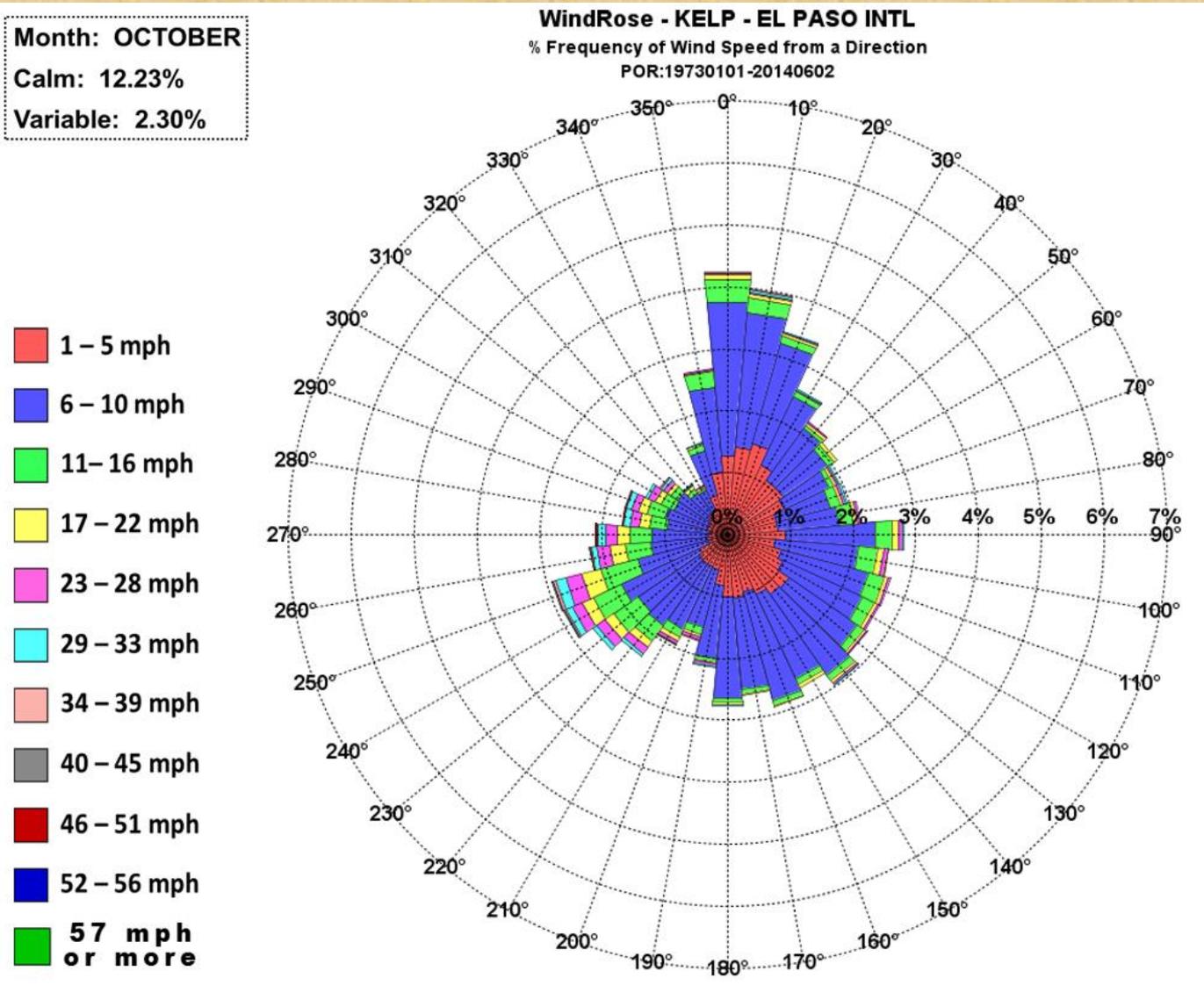
Period ending 31 Oct 2019

(Map created 02 Nov 2019)



Special Features

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



Selected weather reports October 2019

Date/Time	Location (County)	Event
OCTOBER 1 800 AM	FABENS 2SE-EL PASO	2.78 INCHES RAIN
OCTOBER 1 800 AM	TORNILLOD-EL PASO	2.60 INCHES RAIN
OCTOBER 1 800 AM	DELL CITY-HUDSPETH	1.70 INCHES RAIN
OCTOBER 1 800 AM	MAYHILL 7NW-OTERO	1.32 INCHES RAIN
OCTOBER 1 800 AM	TIMBERON 2W-OTERO	1.27 INCHES RAIN
OCTOBER 1 800 AM	HORIZON CITY-EL PASO	1.05 INCHES RAIN
OCTOBER 1 800 AM	CLOUDCROFT 7SE-OTERO	0.94 INCHES RAIN
OCTOBER 1 800 AM	EL PASO 11E-EL PASO	0.60 INCHES RAIN
OCTOBER 1 800 AM	ALAMOGORDO 2E-OTERO	0.46 INCHES RAIN
OCTOBER 7 426 AM	DRIPPING SPRINGS-DONA ANA	52 MPH PEAK WIND
OCTOBER 7 910 AM	LORDSBURG 6SW-HIDALGO	46 MPH PEAK WIND

Selected weather reports October 2019

Date/Time	Location (County)	Event
OCTOBER 7 1248 AM	EL PASO 11NW-EL PASO	45 MPH PEAK WIND
OCTOBER 7 1249 AM	HIGH ROLLS-OTERO	43 MPH PEAK WIND
OCTOBER 7 400 AM	SAN AUGUSTIN PASS-DONA ANA	41 MPH PEAK WIND

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**

