

December 2019 Weather Digest



December 2019 Weather Summary

December started out on a wet note, as it continued the wet trend of November, where sub-tropical moisture made occasional intrusions into the area. One such moisture intrusion occurred on the 8th and 9th, with many places receiving over half their monthly rainfall total. It looked like December was going to be another wet month, much like November, but then the sub-tropical moisture intrusions stopped, and the remainder of the month became dry. Following the widespread rains, many areas had to deal with several mornings of dense fog, making the area resemble London more than the Desert Southwest! The lowlands remained basically dry the rest of the month, though the mountains were able to capture some more precipitation toward the end of the month, as a pair of storms swept across the area on Christmas Eve and then again on the 28th. For the month, most of southern New Mexico and west Texas were below normal with rainfall. Only a narrow strip from El Paso across southern Dona Ana and Luna Counties and to western Grant County received above normal rainfall.

Temperatures were above normal for most sites around the Borderland, though most of this was because of very mild lows as considerable cloud cover kept the overnight temperatures mild.

December 2019 Weather Summary, cont'd

Looking ahead to January, we will continue the slow increase in daylight. We start the month with 10 hours 8 min of sunshine, and end the month with 10 hours 40 min of sunshine. The monthly full moon occurs on Jan 10 and the new moon occurs on Jan 24. At El Paso, the average daily temperature begins warming again on Jan 12 as we slowly warm our way back towards spring.

Dec 9 Rain and fog El Paso



Dec 9 Fog El Paso



Dec 10 Fog Santa Teresa



Dec 10 Fog Santa Teresa



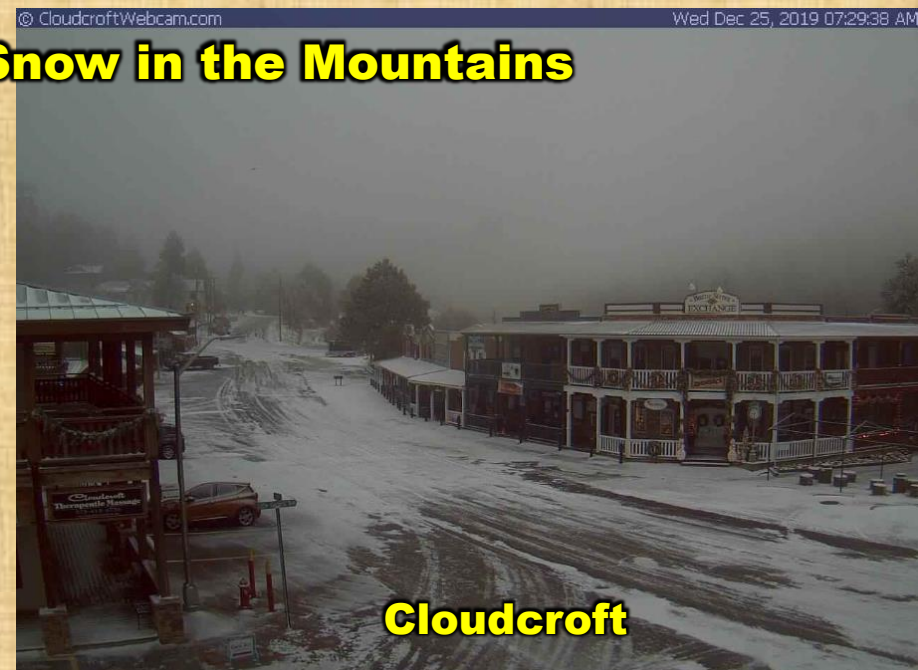
Strange things happen sometimes with the full moon



Christmas Eve Snow in the Mountains



Silver City



Cloudcroft

© CloudcroftWebcam.com

Wed Dec 25, 2019 07:29:38 AM

ENSO conditions are neutral-alert system is not active

ENSO Alert System

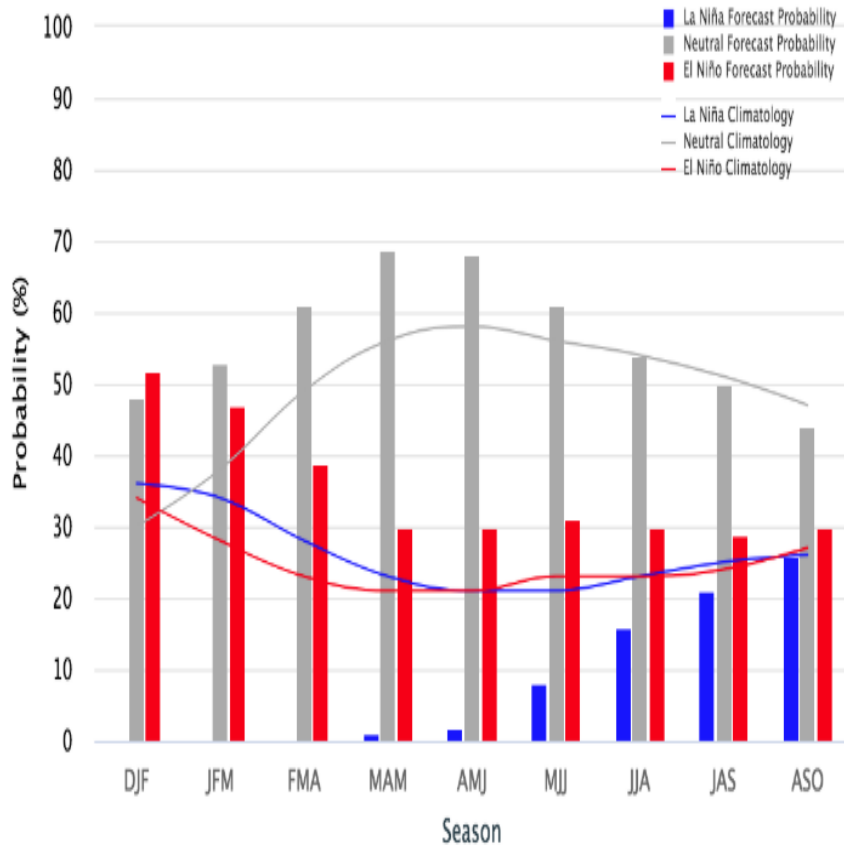
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

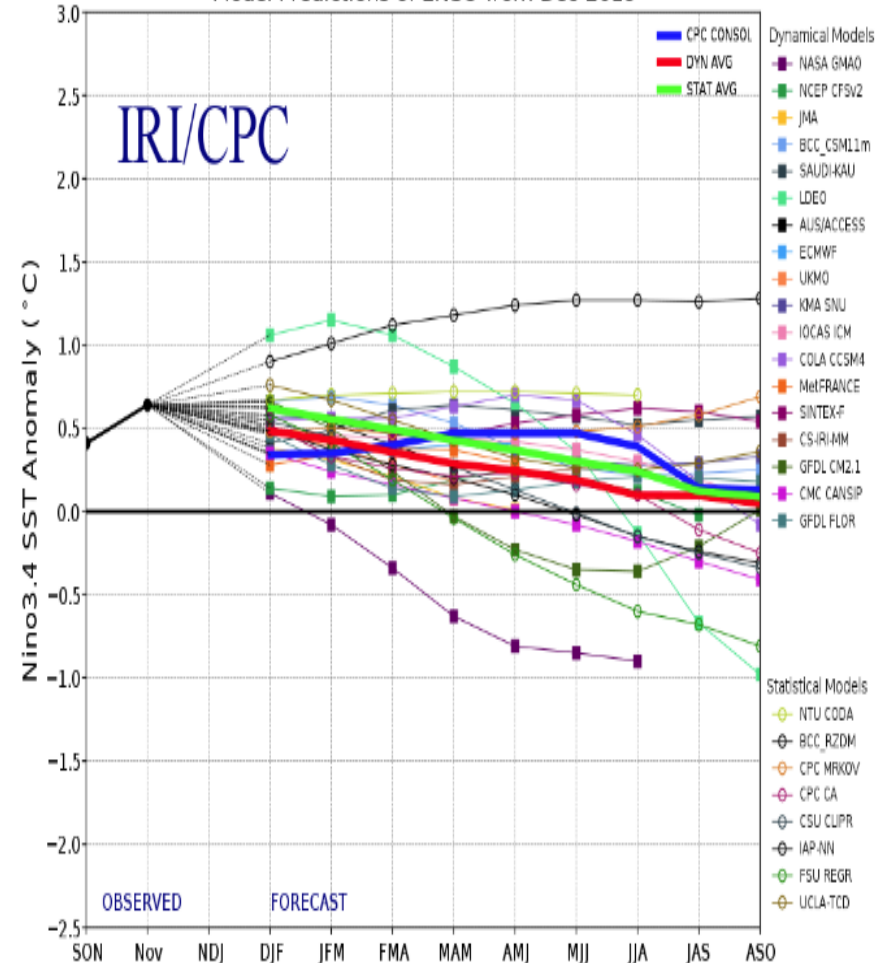
ENSO is now in a neutral phase and is expected to remain that way through the winter

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

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



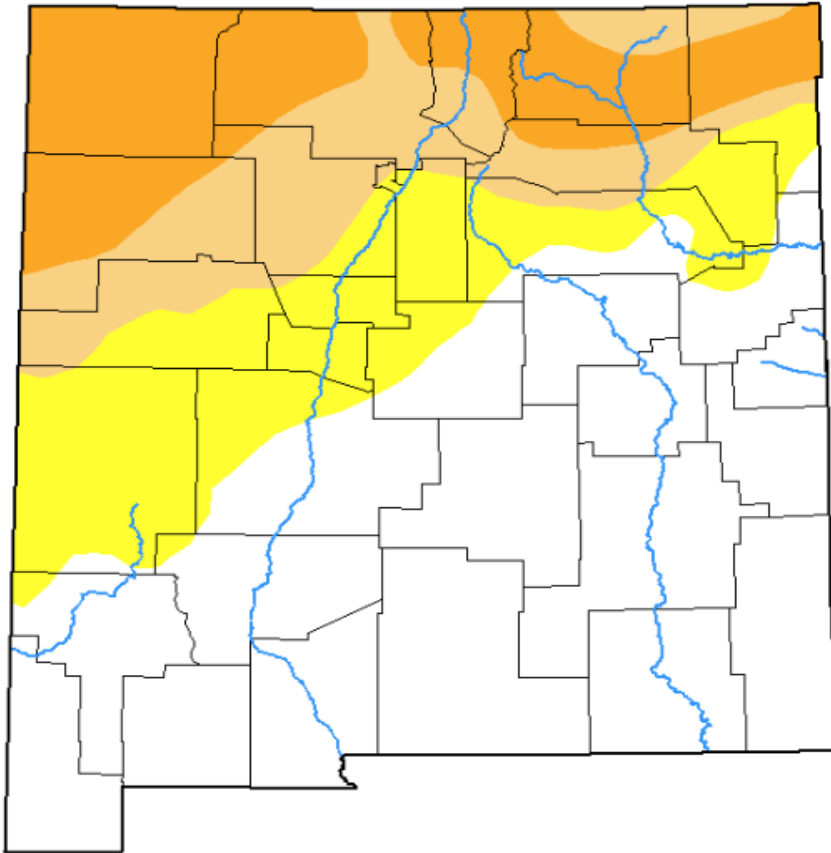
Model Predictions of ENSO from Dec 2019



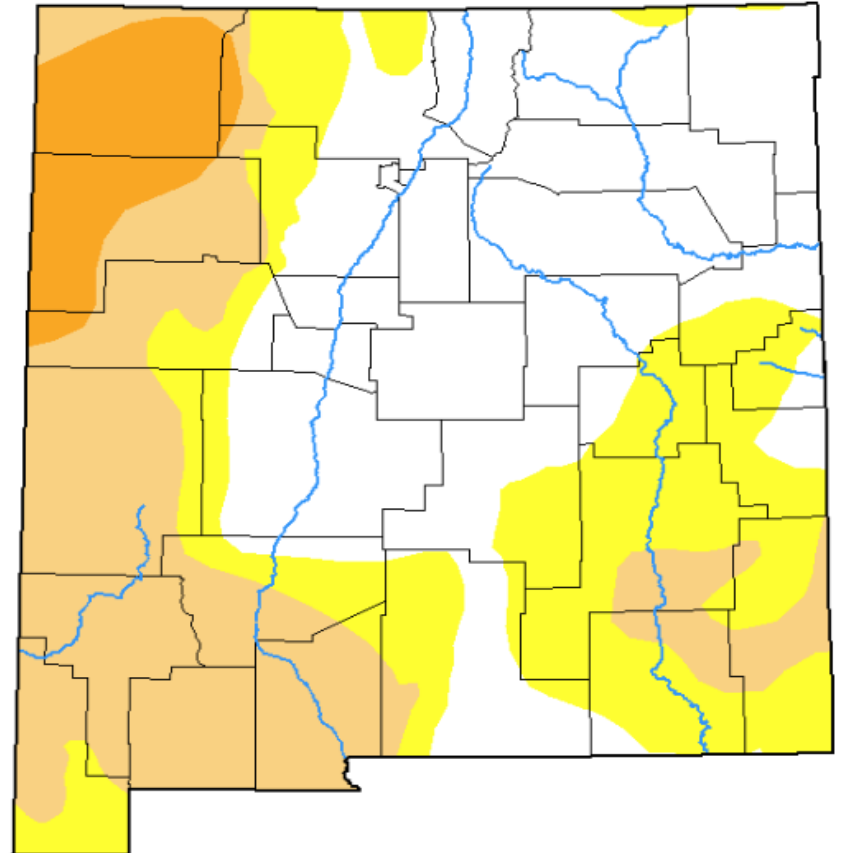
Current drought conditions for New Mexico and 3 month change

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

December 24, 2019








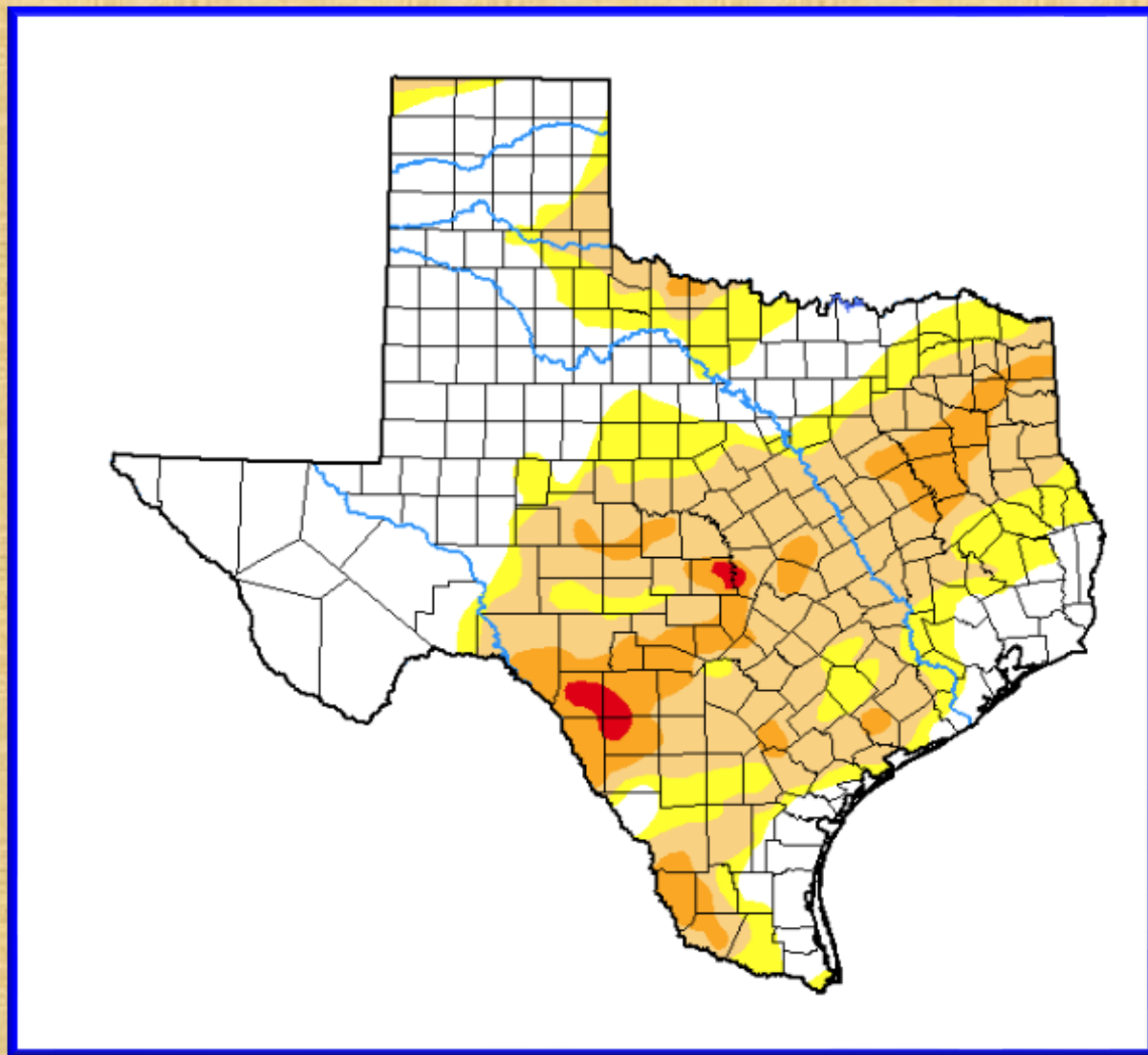
September 24, 2019



Current drought conditions for Texas as of December 24, 2019

Intensity:

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

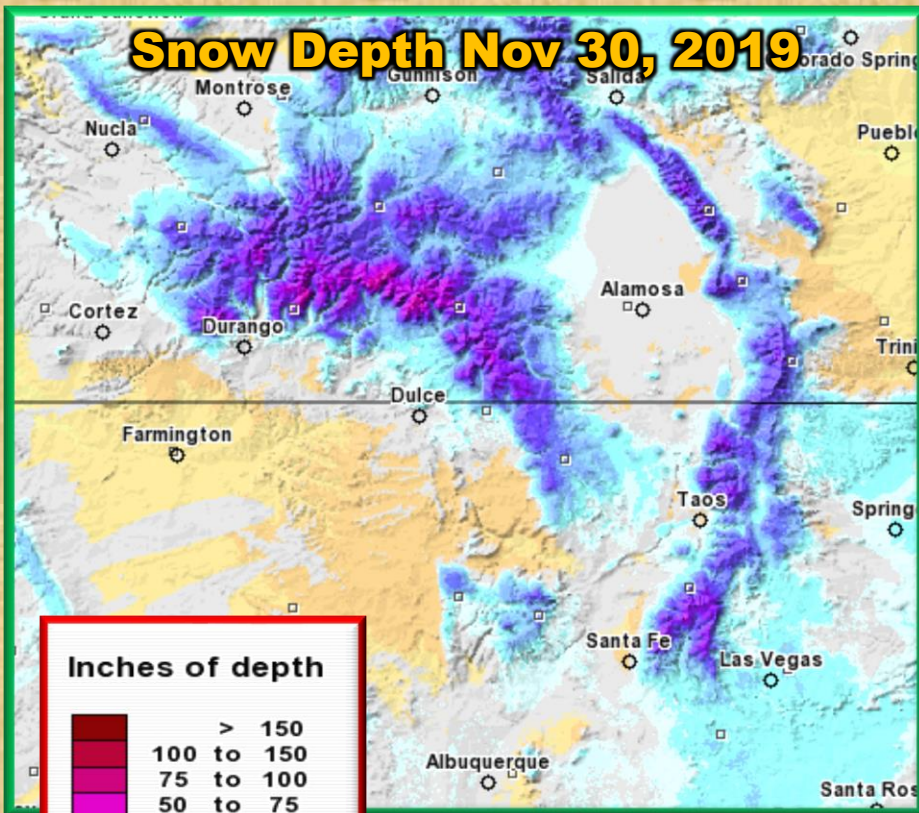


Build your own custom slider maps here at:

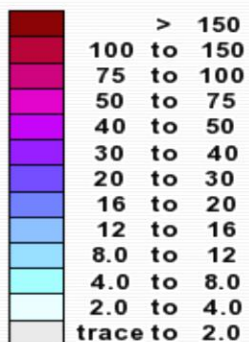
<http://droughtmonitor.unl.edu/Maps/ComparisonSlider.aspx>

Snow Data Upper Rio Grand Basin as of December 31, 2019

Snow Depth Nov 30, 2019

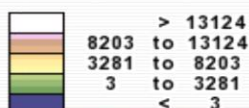


Inches of depth

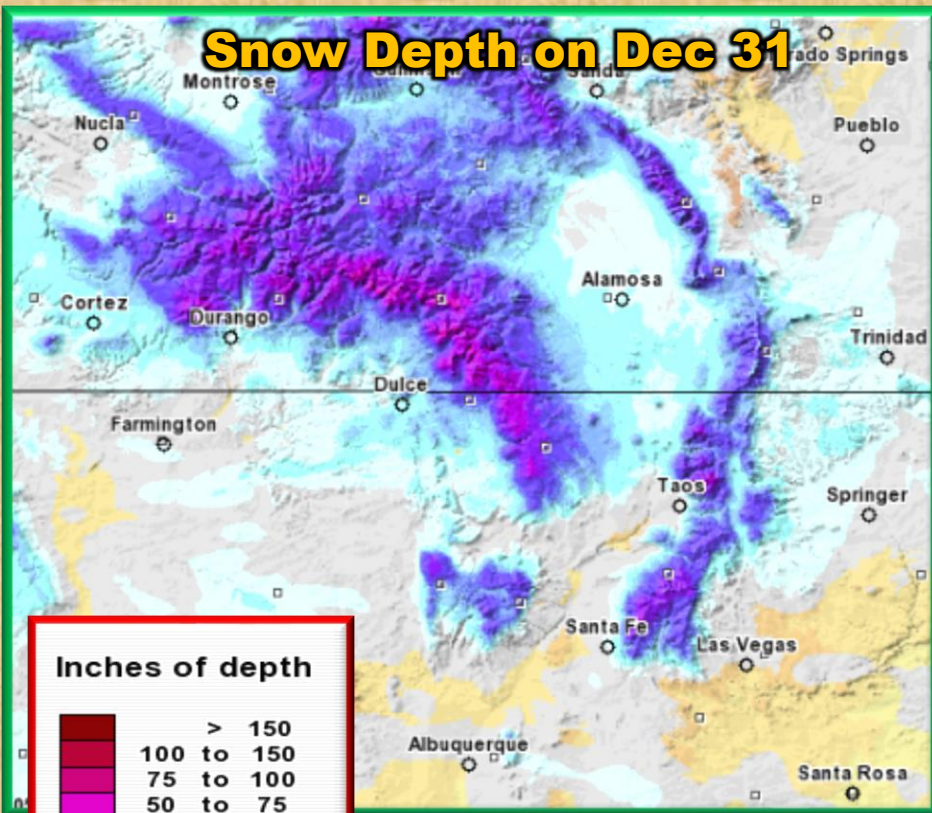


Not Estimated

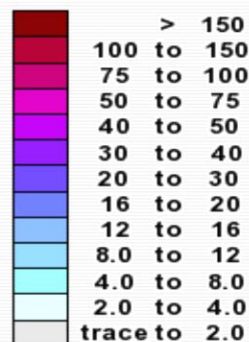
Elevation in feet



Snow Depth on Dec 31

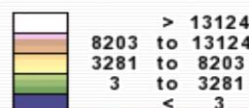


Inches of depth

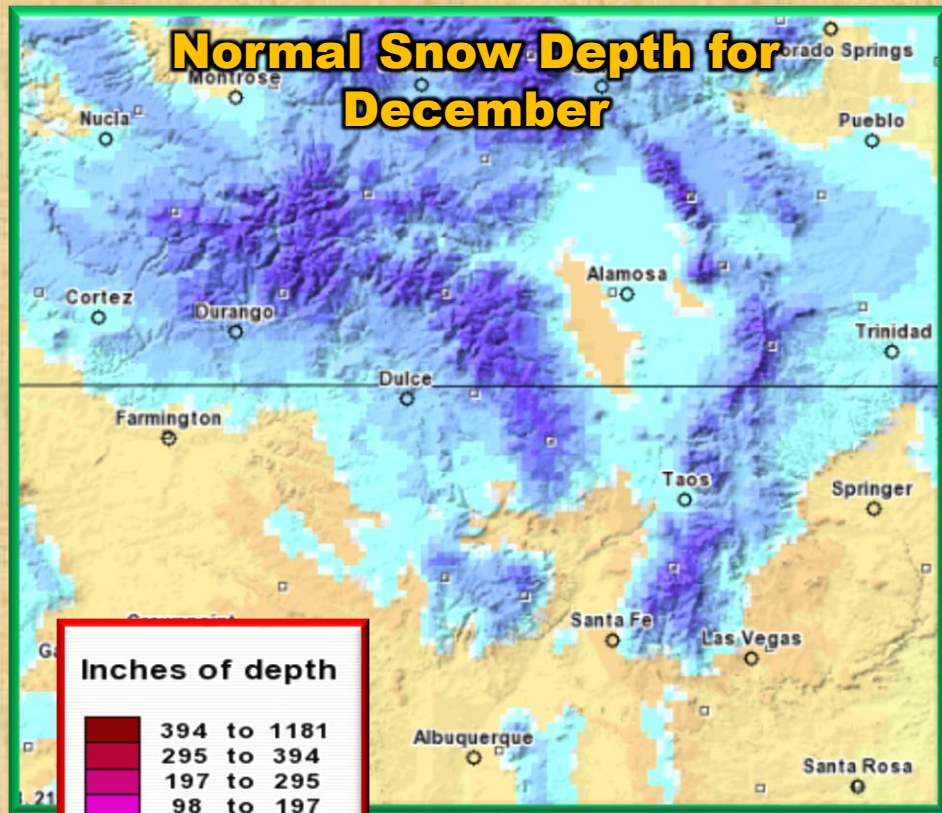
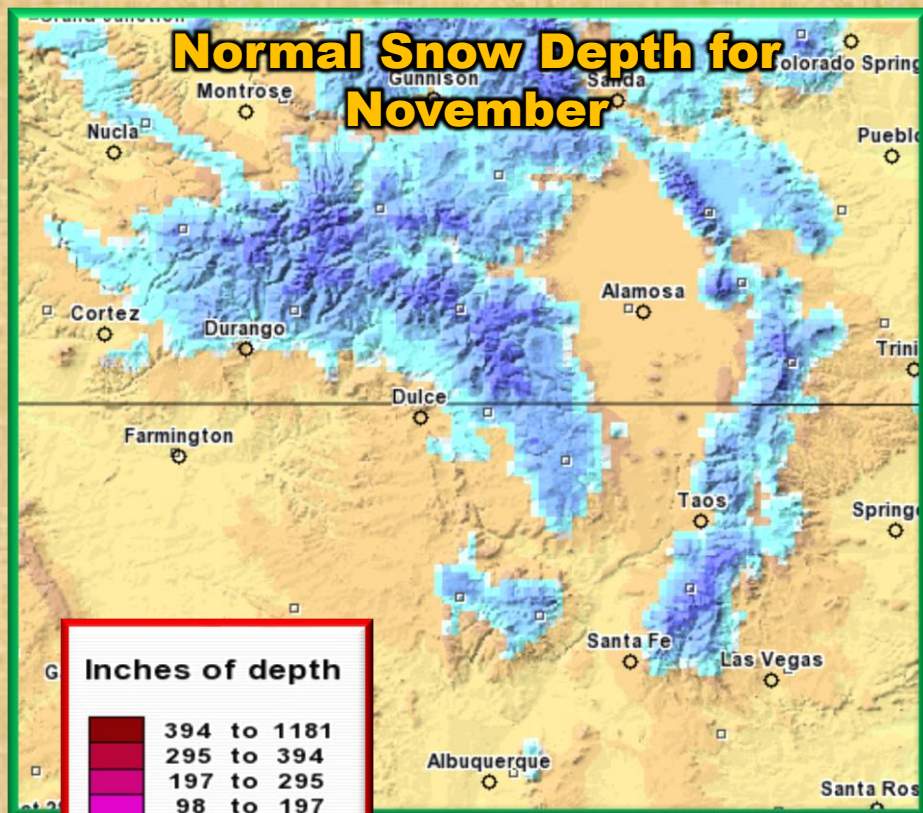


Not Estimated

Elevation in feet



Snow Data Upper Rio Grand Basin as of December 31, 2019



Inches of depth

Dark Red	394 to 1181
Red	295 to 394
Dark Orange	197 to 295
Orange	98 to 197
Light Orange	59 to 98
Yellow-Orange	39 to 59
Yellow	20 to 39
Light Yellow	9.8 to 20
Yellow-Green	3.9 to 9.8
Green	2.0 to 3.9
Light Green	0.39 to 2.0
Very Light Green	0.04 to 0.39
White	trace to 0.04

Not Estimated

Elevation in feet

White	> 13124
Light Yellow	8203 to 13124
Yellow	3281 to 8203
Green	3 to 3281
Dark Green	< 3

Inches of depth

Dark Red	394 to 1181
Red	295 to 394
Dark Orange	197 to 295
Orange	98 to 197
Light Orange	59 to 98
Yellow-Orange	39 to 59
Yellow	20 to 39
Light Yellow	9.8 to 20
Yellow-Green	3.9 to 9.8
Green	2.0 to 3.9
Light Green	0.39 to 2.0
Very Light Green	0.04 to 0.39
White	trace to 0.04

Not Estimated

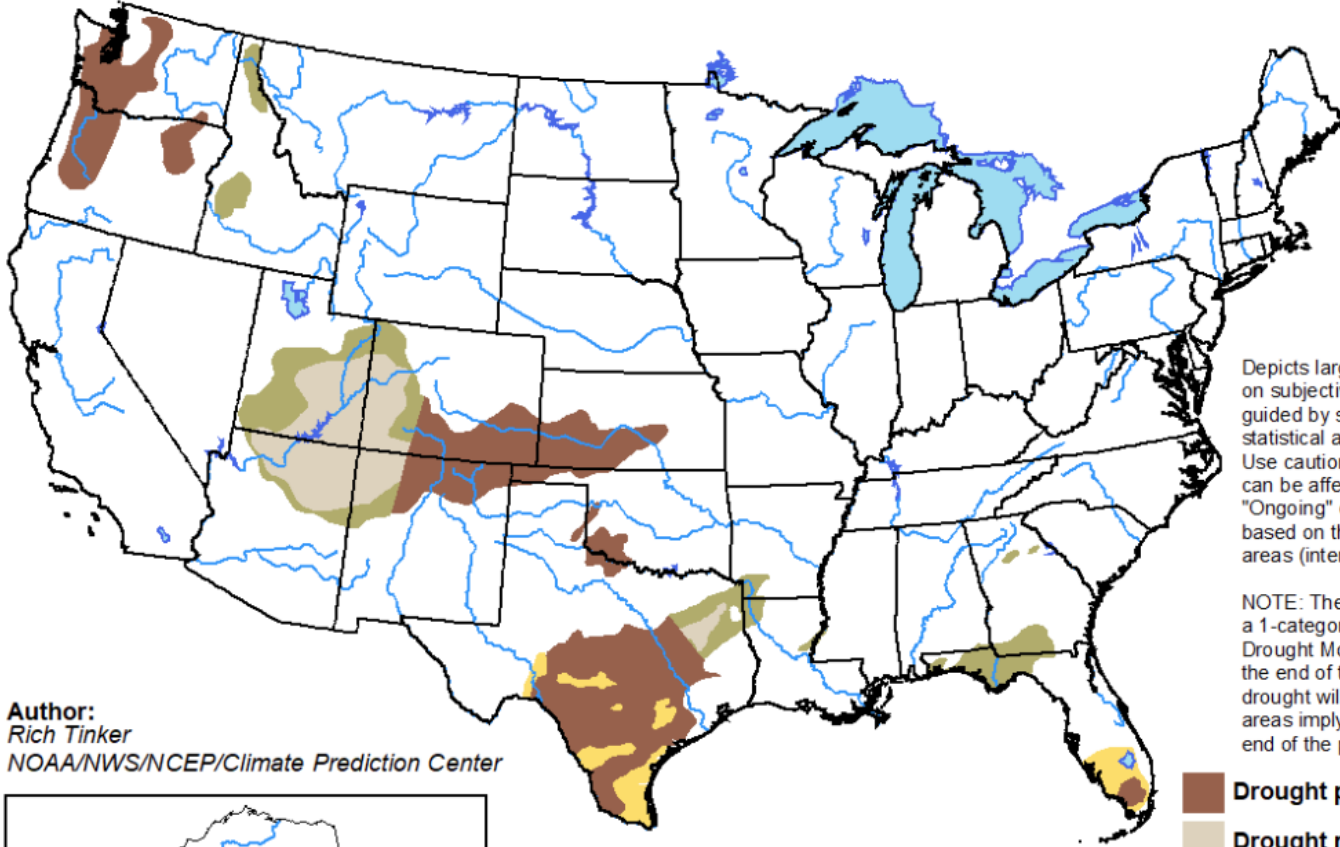
Elevation in feet

White	> 13124
Light Yellow	8203 to 13124
Yellow	3281 to 8203
Green	3 to 3281
Dark Green	< 3

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for December 19, 2019 - March 31, 2020
Released December 19, 2019

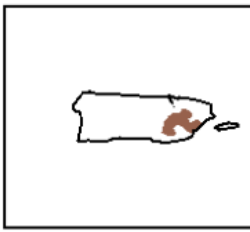
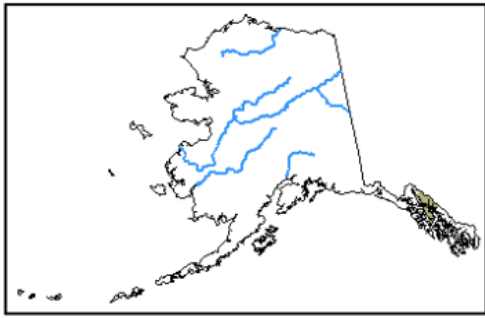


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

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

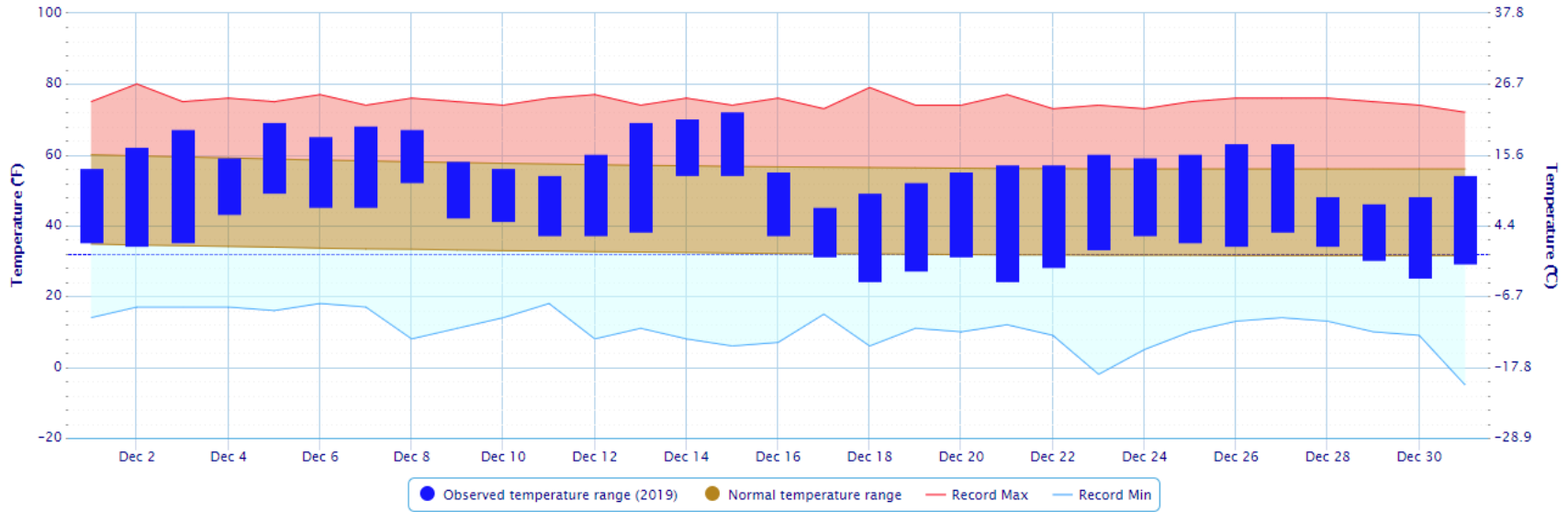


<http://go.usa.gov/3eZ73>

Temperature and precipitation data for December 2019 in El Paso

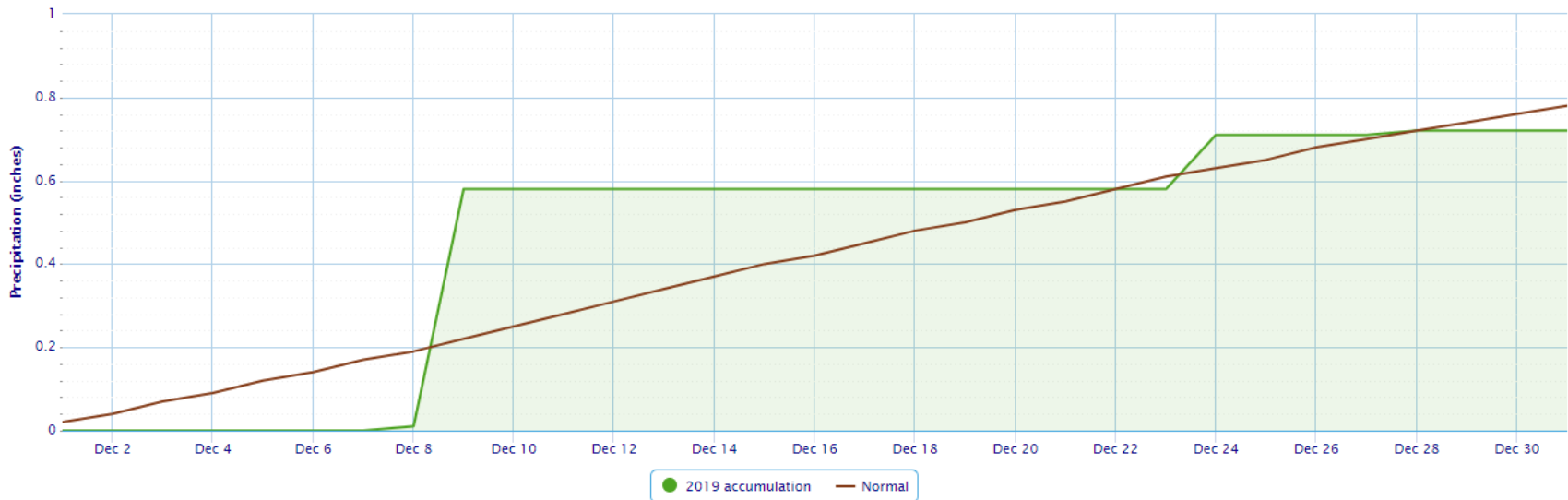
Daily Temperature Data – El Paso Area, TX (ThreadEx)

Period of Record – Max temperature: 1887-01-01 to 2020-01-02; Min temperature: 1879-01-01 to 2020-01-02. Normals period: 1981-2010. Click and drag to zoom chart.



Accumulated Precipitation – El Paso Area, TX (ThreadEx)

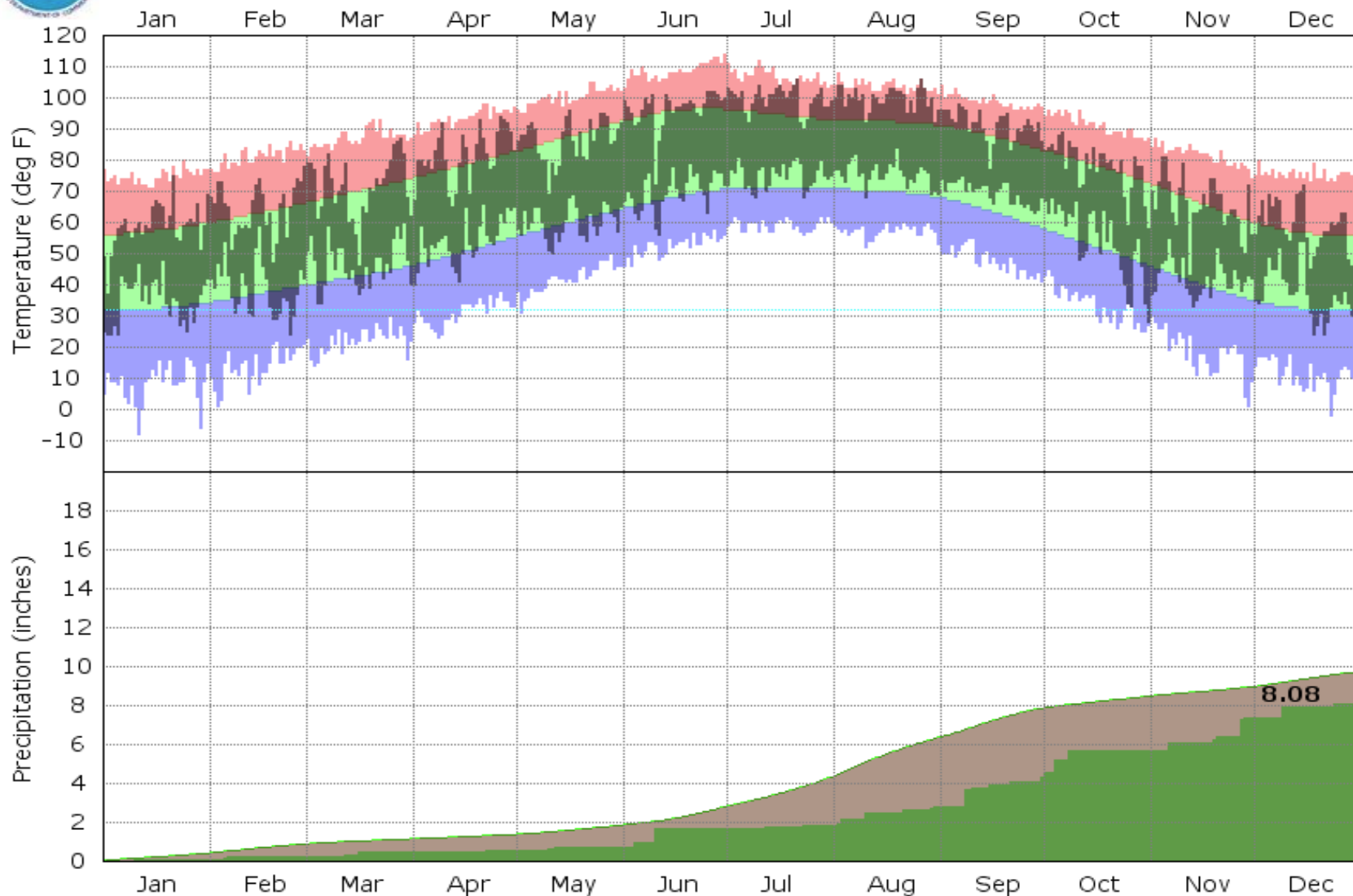
Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



2019 Temperature and Precipitation Data for El Paso



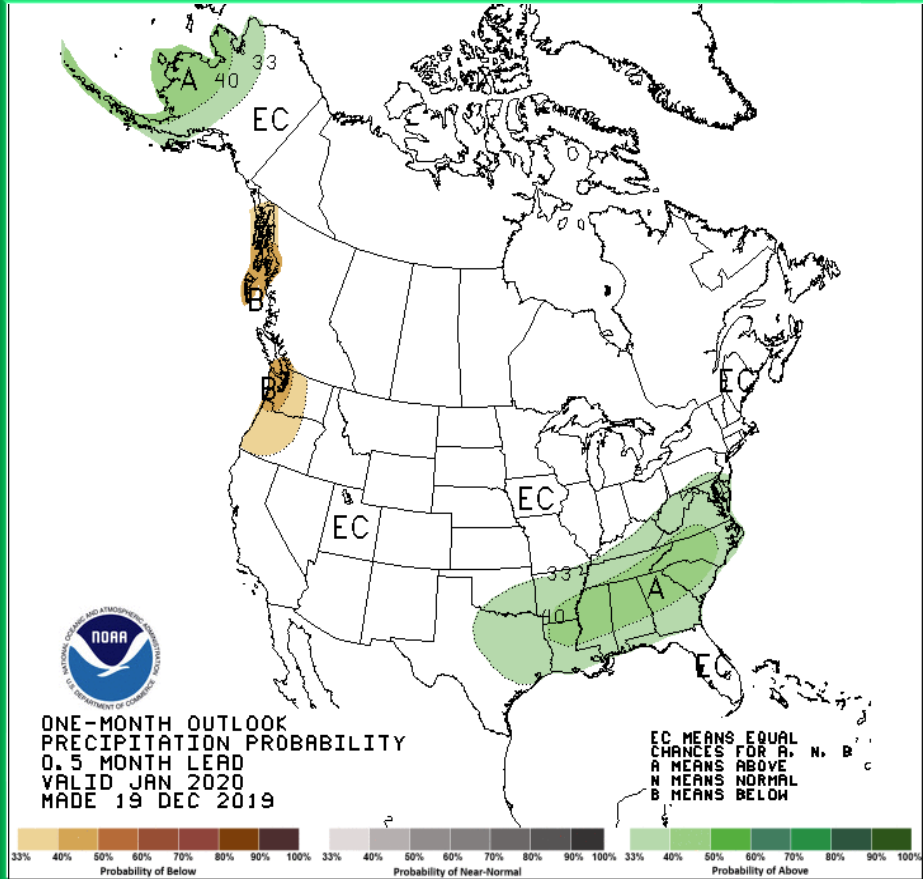
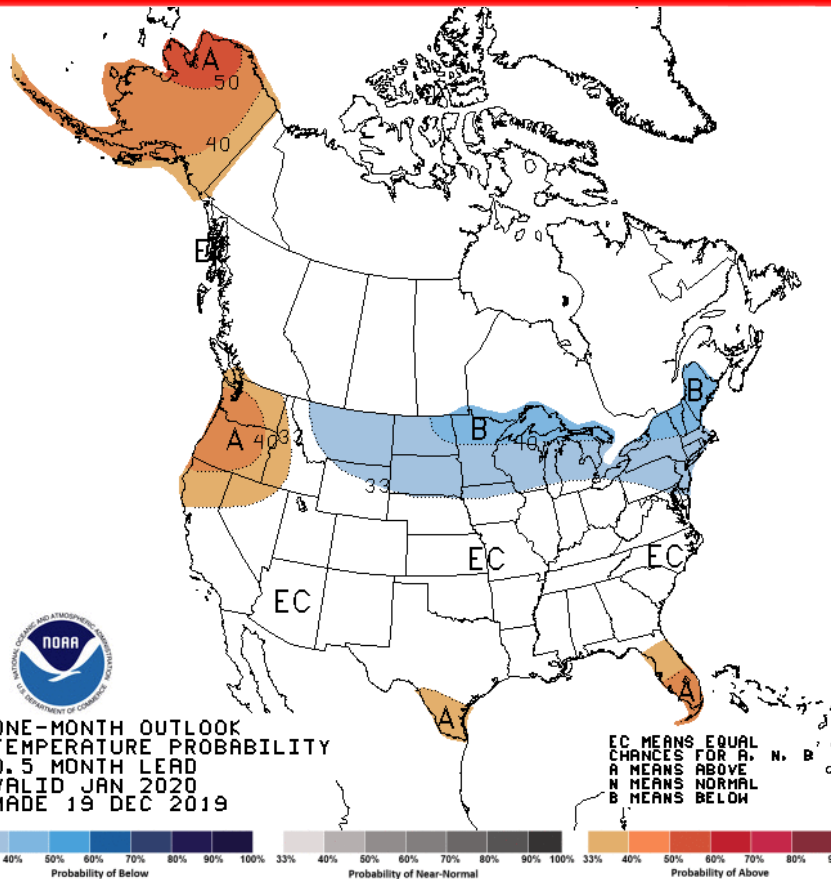
El Paso TX - 2019



Temperature and precipitation outlook for January 2020

Temperature

Precipitation



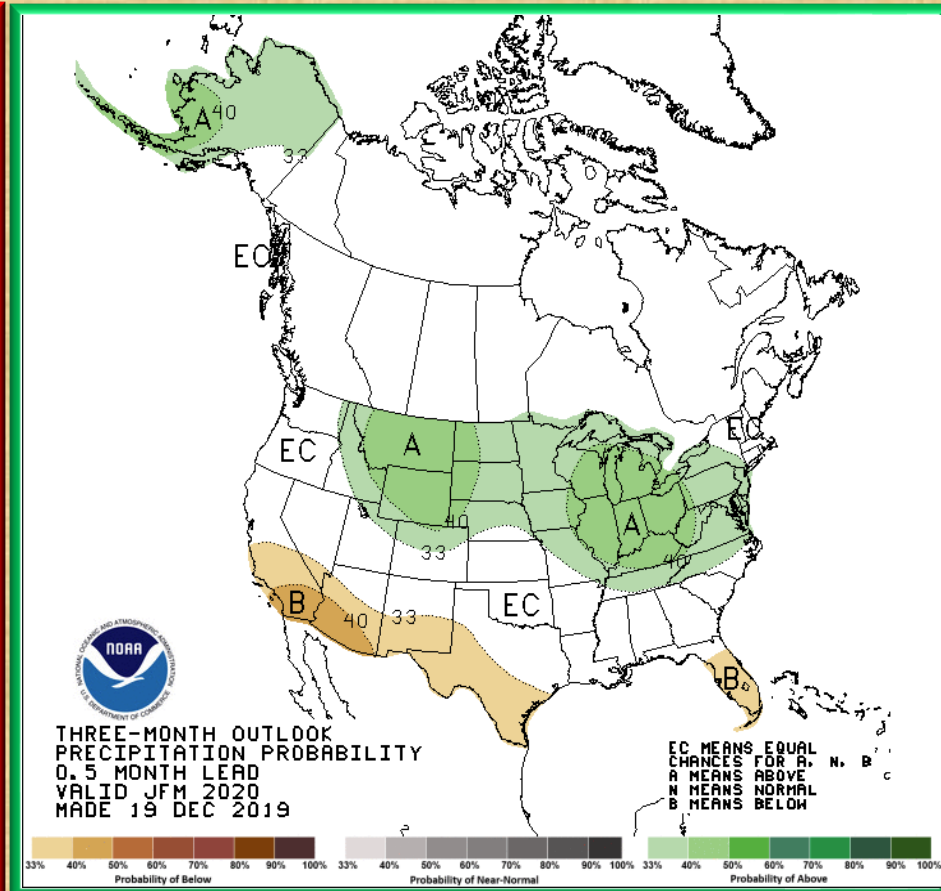
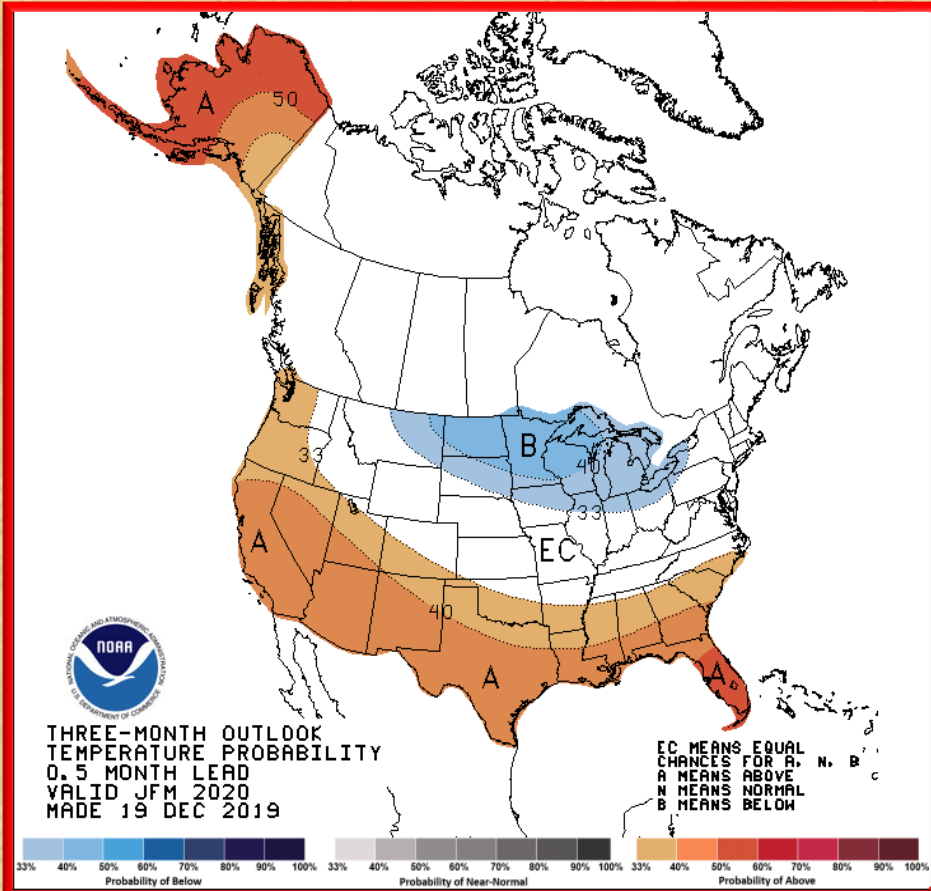
ONE-MONTH OUTLOOK
 TEMPERATURE PROBABILITY
 0.5 MONTH LEAD
 VALID JAN 2020
 MADE 19 DEC 2019

ONE-MONTH OUTLOOK
 PRECIPITATION PROBABILITY
 0.5 MONTH LEAD
 VALID JAN 2020
 MADE 19 DEC 2019

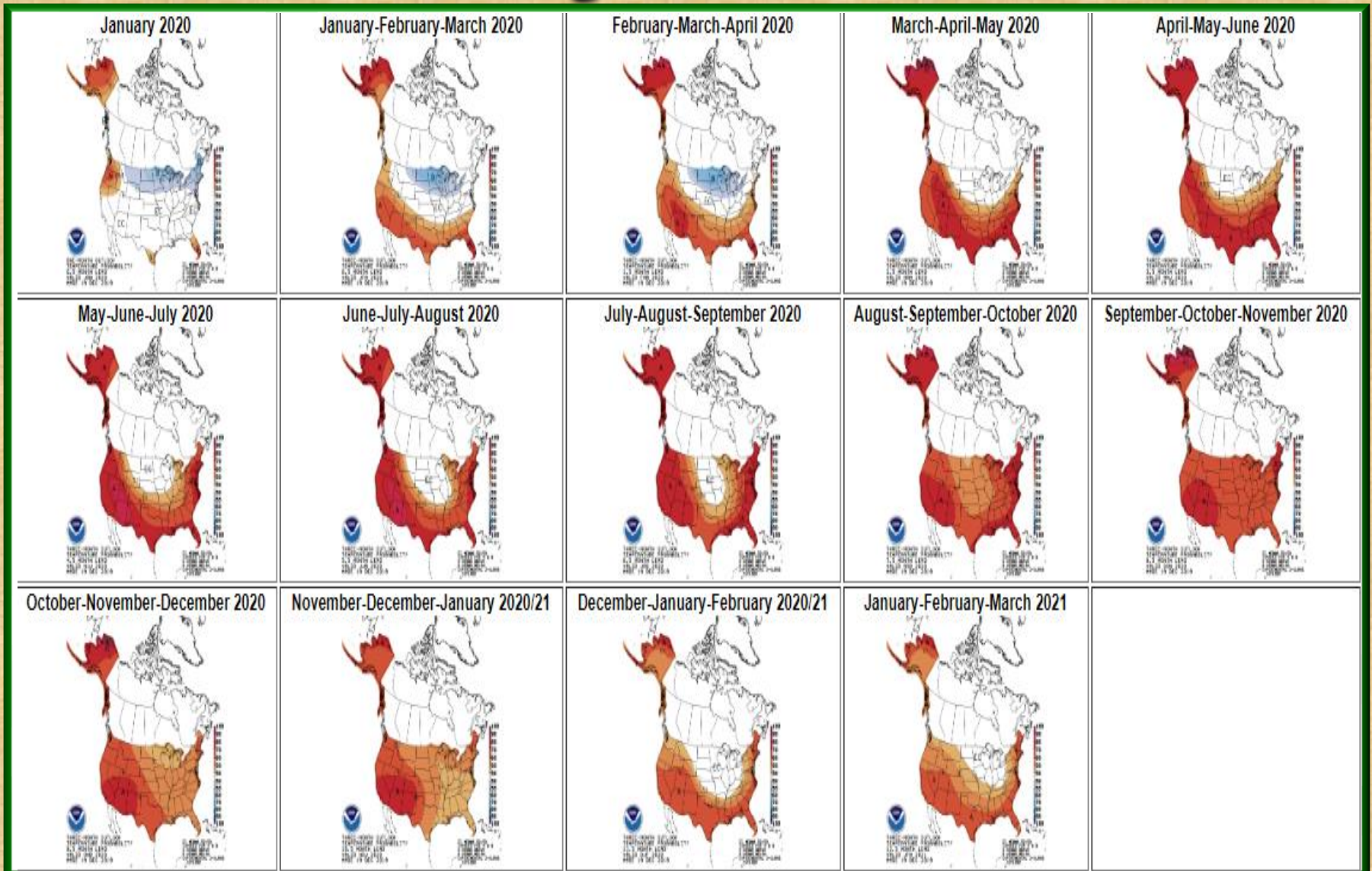
Temperature and precipitation outlook For January-March 2019

Temperature

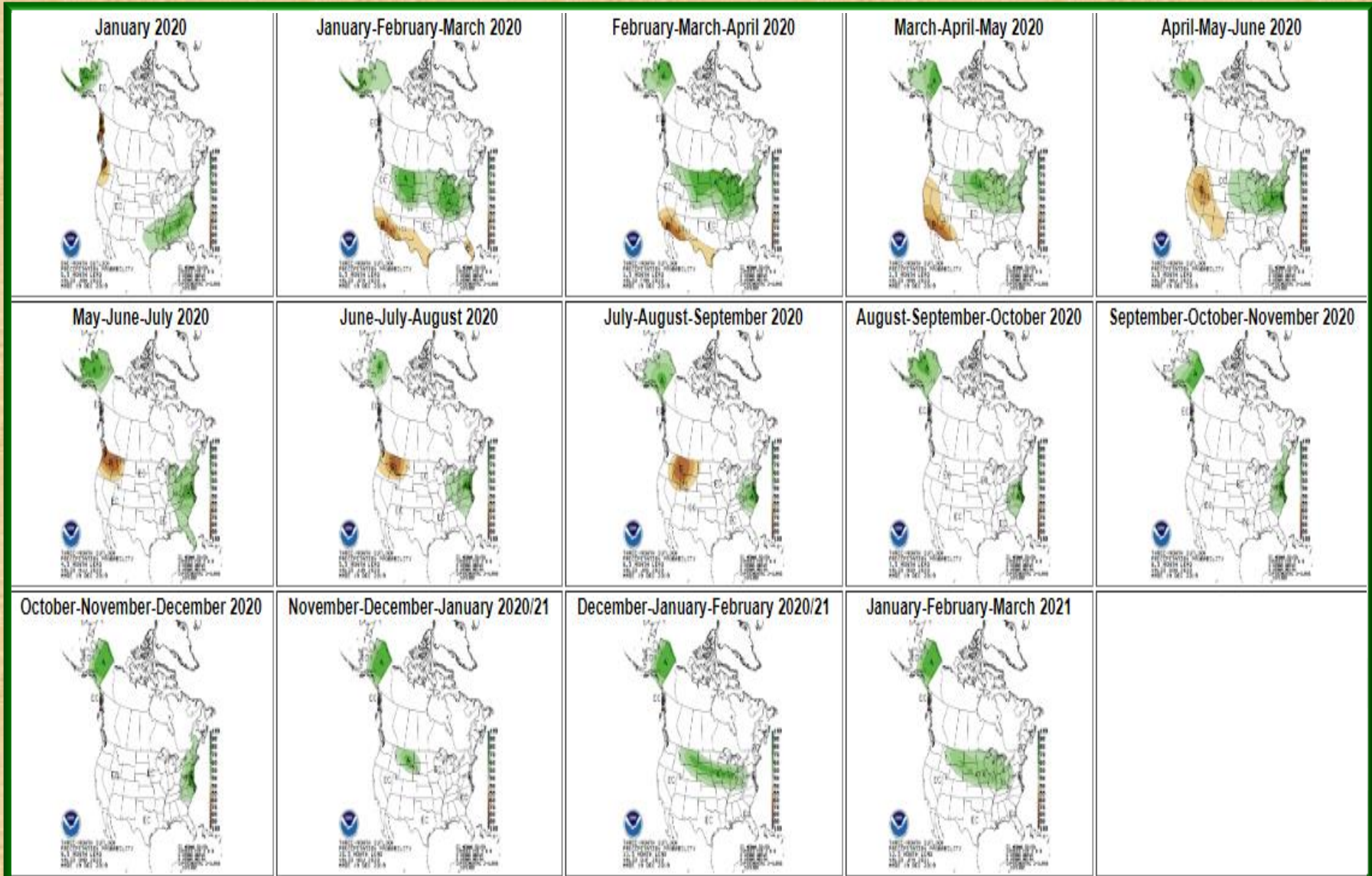
Precipitation



Temperature Outlook Through March 2021

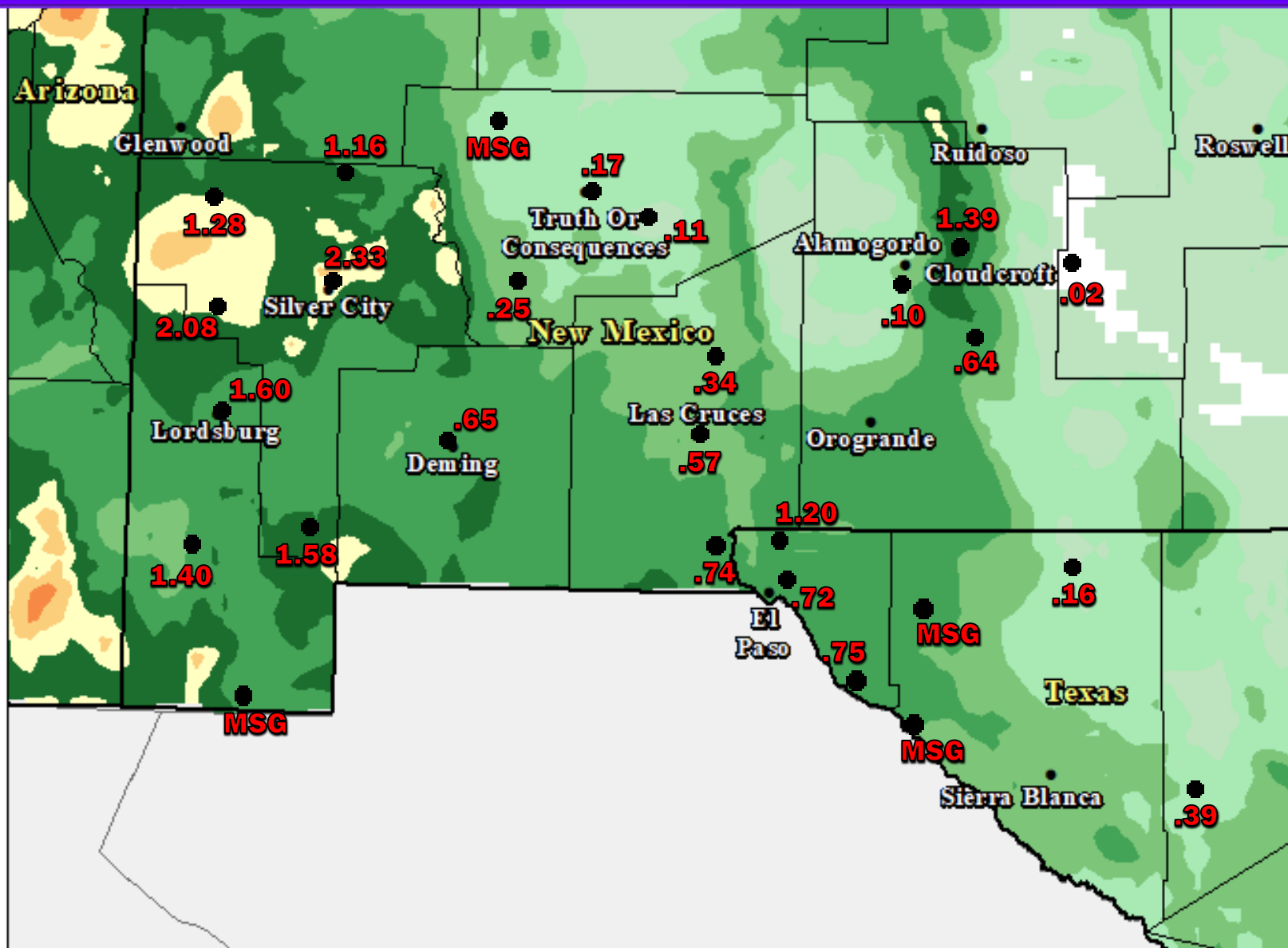
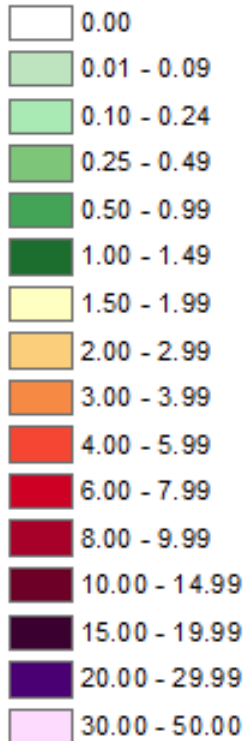


Precipitation Outlook Through March 2021

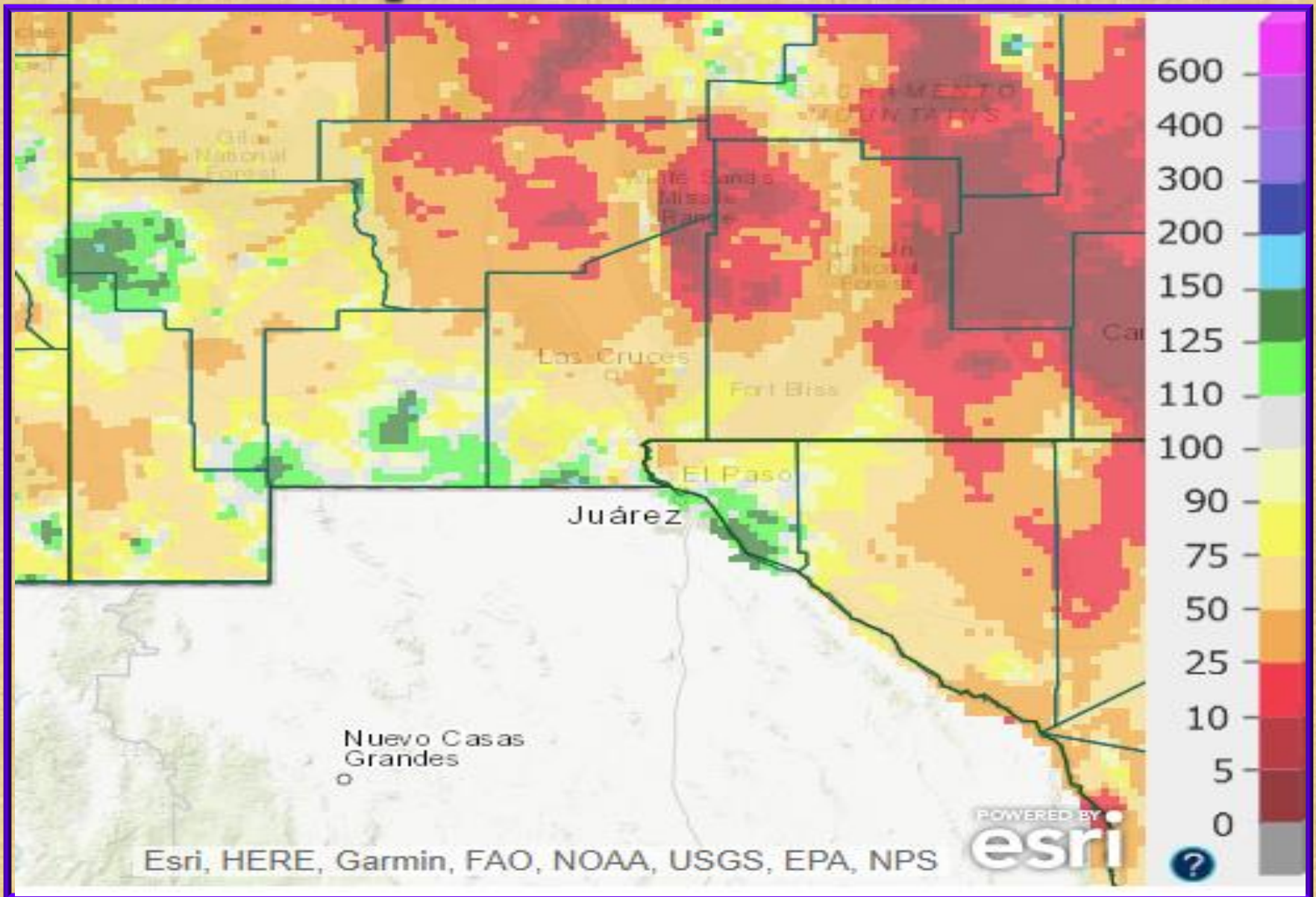


December 2019 radar rainfall estimate with surface rainfall reports

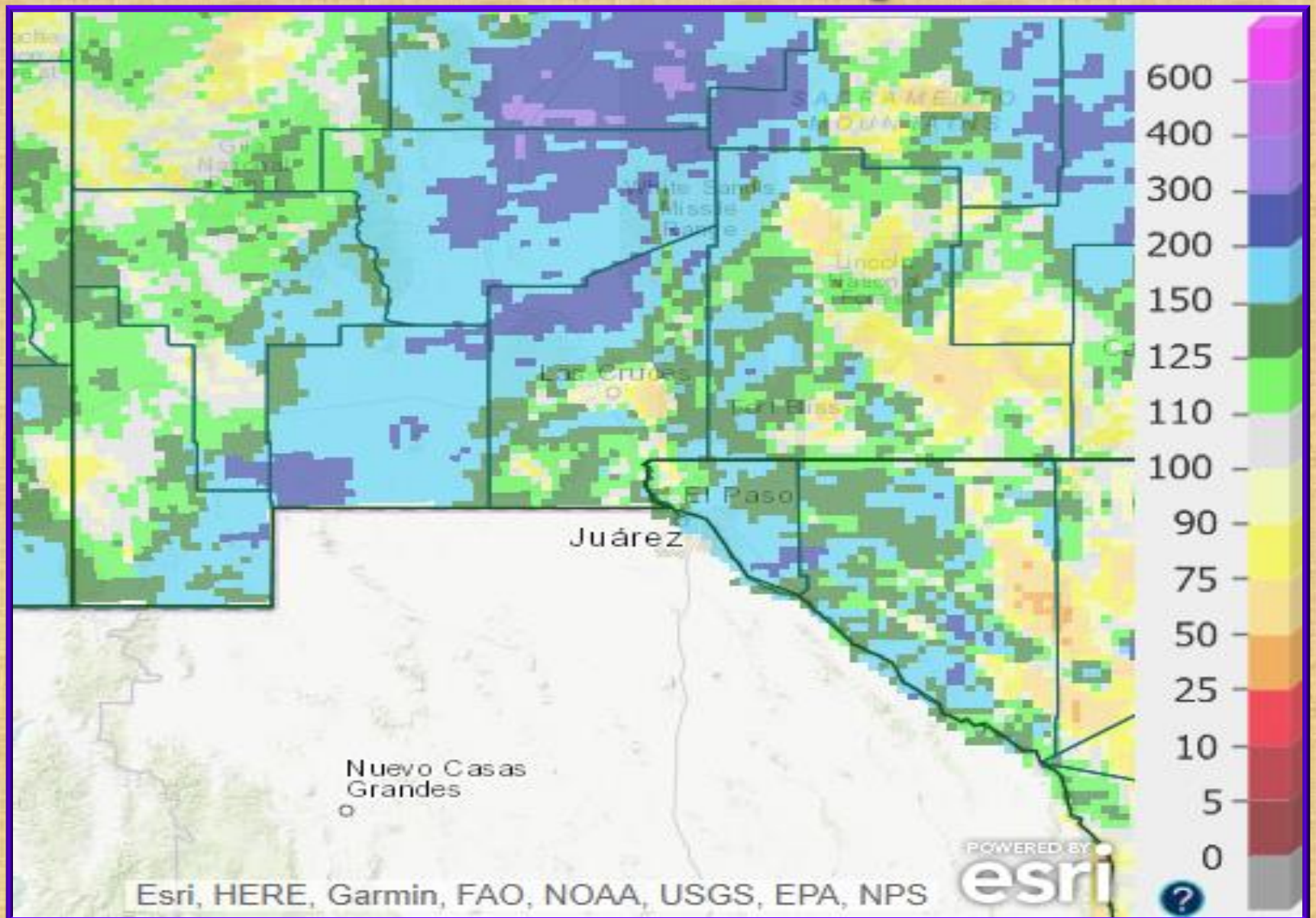
Inches



December 2019 radar rainfall estimate percent of normal



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

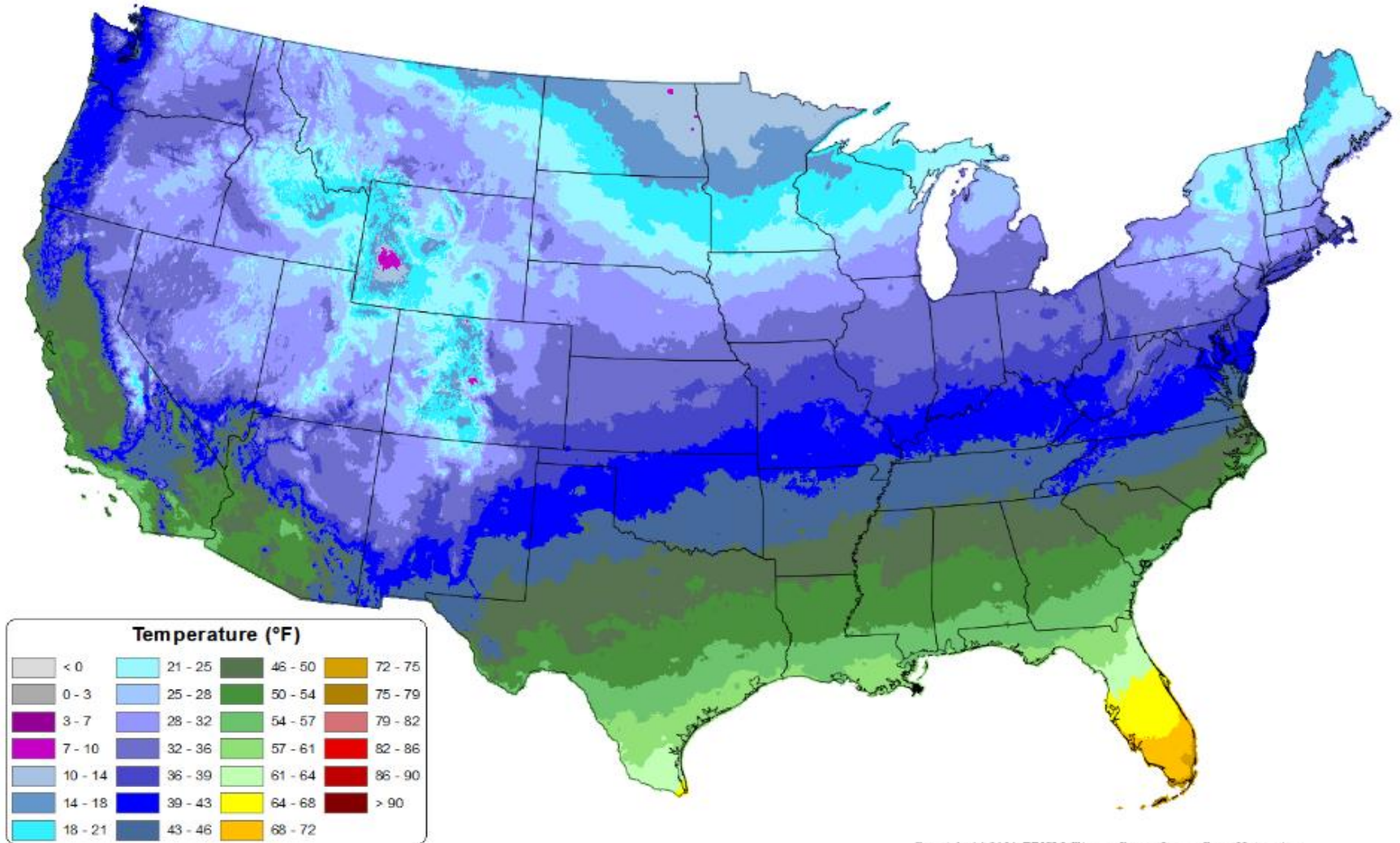


Average Daily Mean Temperature for December 2019

Average Daily Mean Temperature: Dec 2019

Period ending 7 AM EST 31 Dec 2019

(Map created 02 Jan 2020)

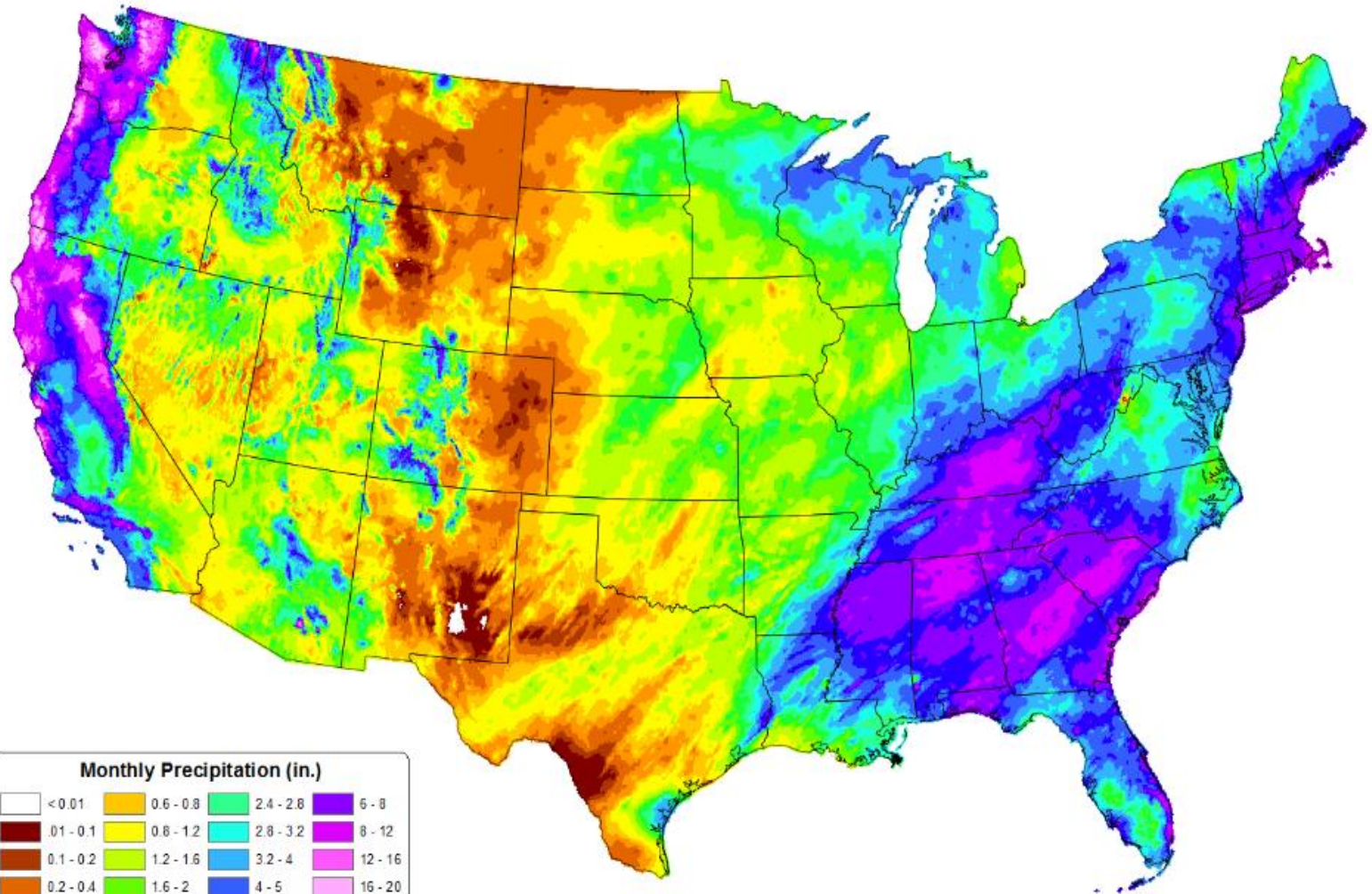


Total Precipitation for December 2019

Total Precipitation: Dec 2019

Period ending 31 Dec 2019

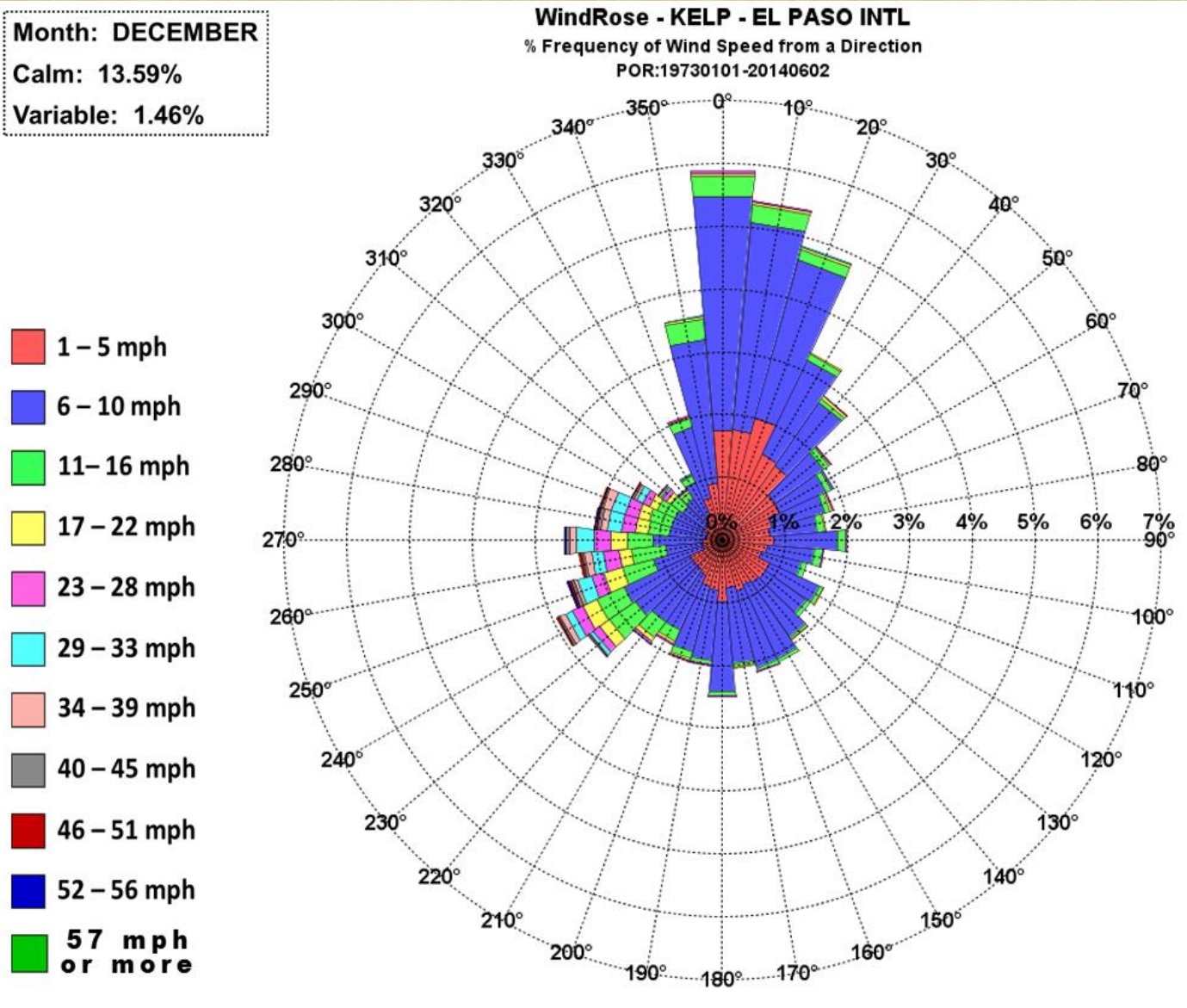
(Map created 02 Jan 2020)



Monthly Precipitation (in.)			
<0.01	0.6-0.8	2.4-2.8	6-8
0.1-0.1	0.8-1.2	2.8-3.2	8-12
0.1-0.2	1.2-1.6	3.2-4	12-16
0.2-0.4	1.6-2	4-5	16-20
0.4-0.6	2-2.4	5-6	>20

Special Features

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



Selected weather reports December 2019

Date/Time	Location (County)	Event
None reported		

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 >](#)

Customize Your Weather.gov

City, ST

Enter Your City, ST or ZIP Code

Remember Me

[Privacy Policy](#)

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 >](#)

Customize Your Weather.gov

City, ST

Enter Your City, ST or ZIP Code

Remember Me

[Privacy Policy](#)

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**

