

November 2019 Weather Digest



November 2019 Weather Summary

November turned out to be quite a wet month as several instances of tropical moisture plumes moving across the area occurred. In fact El Paso International Airport recorded their 4th wettest November ever. Most of the area west of the Rio Grande Valley saw 200-400 percent of normal monthly rainfall, while from the Valley east 100-300 percent of normal monthly rainfall fell. Interestingly, if El Paso December rainfall does not surpass November's rainfall total, this will be the first year in El Paso history that November ended as the wettest month of any given year. Given that the rainfall events of the month were tropically influenced, most of the precipitation fell as rain during the month. However, colder air was able to move into the area and give some significant snows to the mountains, especially the Gila and Black Range areas. As much as two feet of snow fell on the 27th and 28th above 8000 feet over the Black Range, with 6 to 12 inches falling at lower elevations of 6000 and 7000 feet.

Temperatures were right around normal to slightly above normal. Despite being well above normal with precipitation, the majority of the month was cloud free and warm, as the rainfall was limited to three different two-day events.

November 2019 Weather Summary, cont'd

Looking ahead to December, we will see the month with the least amount of daylight as we approach the winter solstice on December 21. Temperatures at El Paso begin the month with an average high temperature of 60 degrees, and ends the month with an average high temperature of 56 degrees. December is usually first or second for snowiest month of the winter for most locations. For El Paso December is the second snowiest month of the winter and has the most extreme monthly snowfall amounts.

November 6 Thunderstorm El Paso



November 6 Thunderstorm El Paso



November 6 Hailstorm El Paso



November 6 Thunderstorm El Paso



November 6 Thunderstorm



November 6 Thunderstorm



November 21 Las Cruces



November 28 Snow near Elephant Butte



**November 28 Percha Creek
Near Hillsboro**



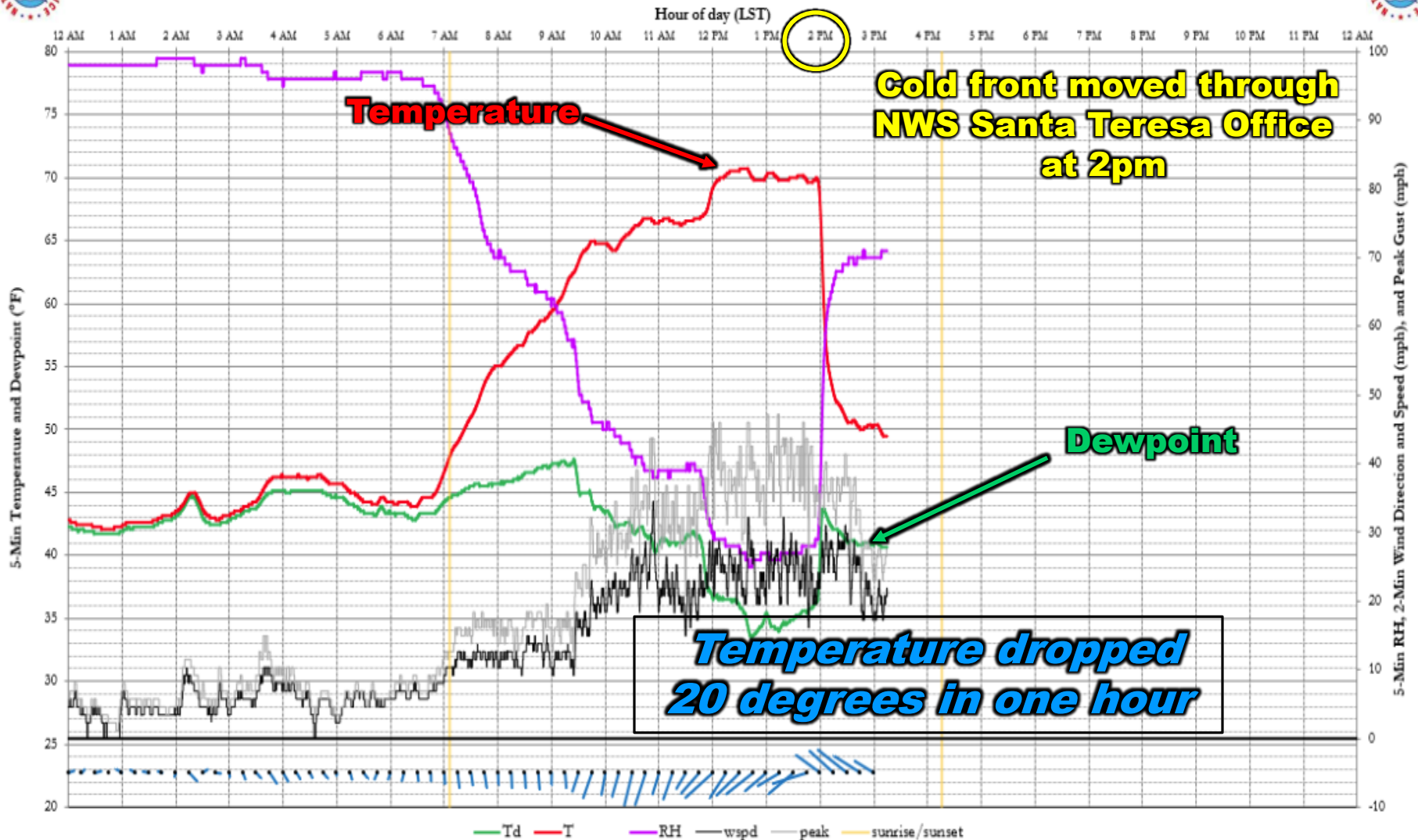
November 29 Cloudcroft



Cold Front Passage at Santa Teresa November 29



WFO Santa Teresa, NM RSOIS Data (11/29/2019)



ENSO conditions are neutral-alert system is not active

ENSO Alert System

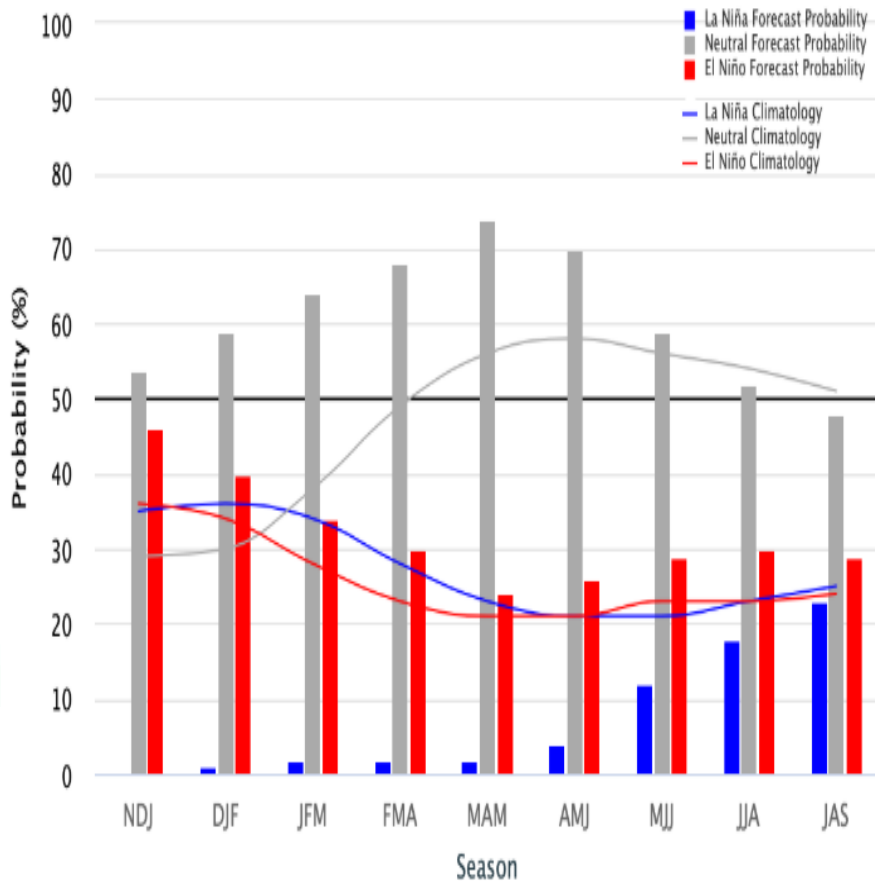
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

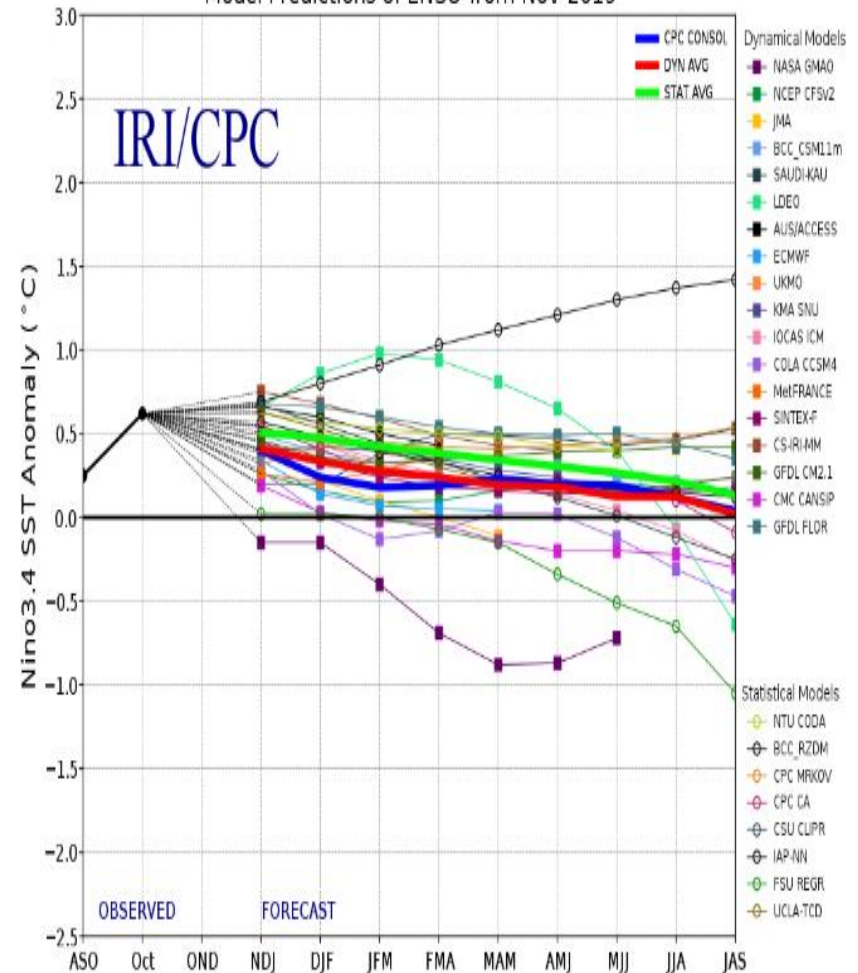
ENSO is now in a neutral phase and is expected to remain that way through the winter

Mid-November 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 Nov 2019

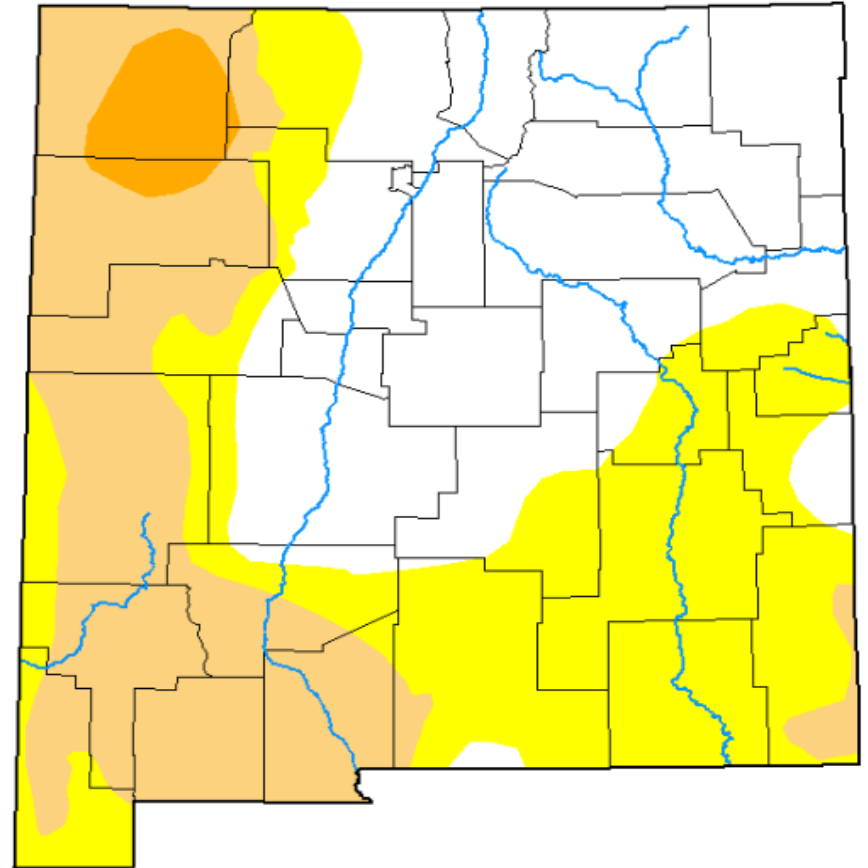
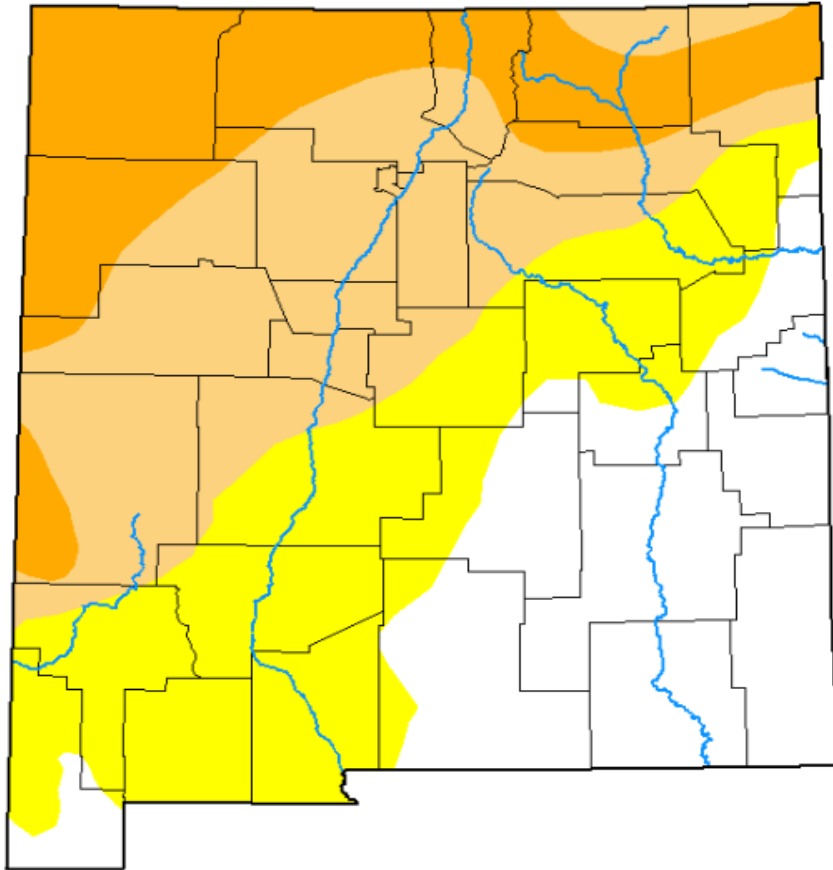


Current drought conditions for New Mexico and 3 month change






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

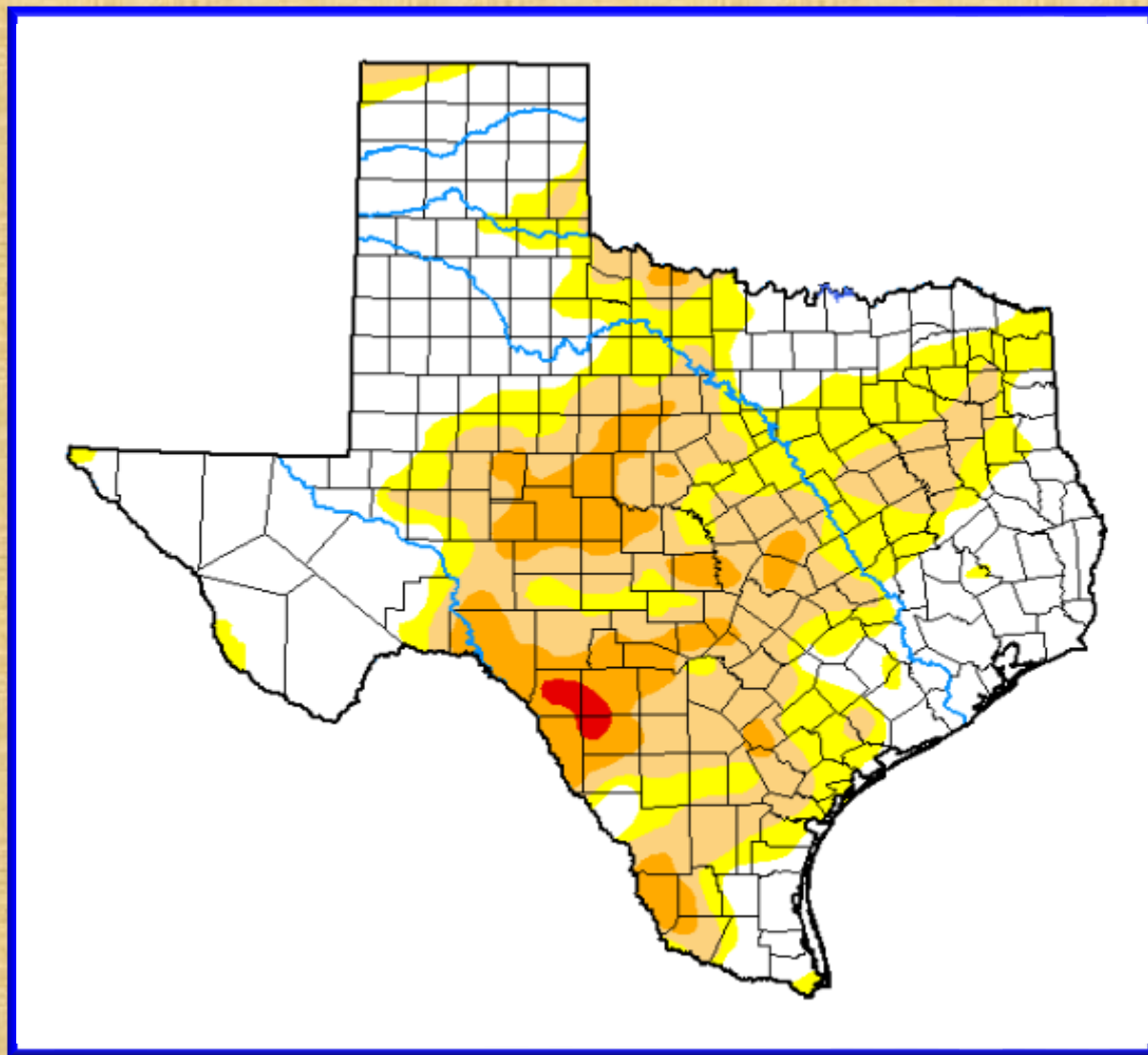
November 26, 2019

August 27, 2019



Current drought conditions for Texas as of November 26, 2019

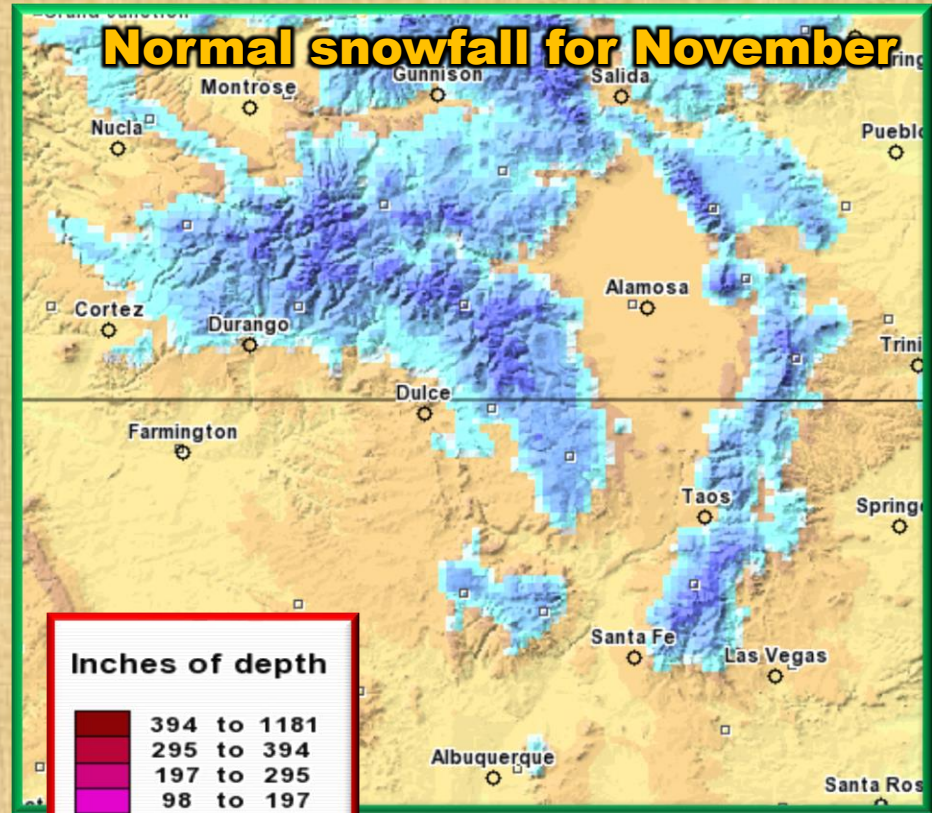
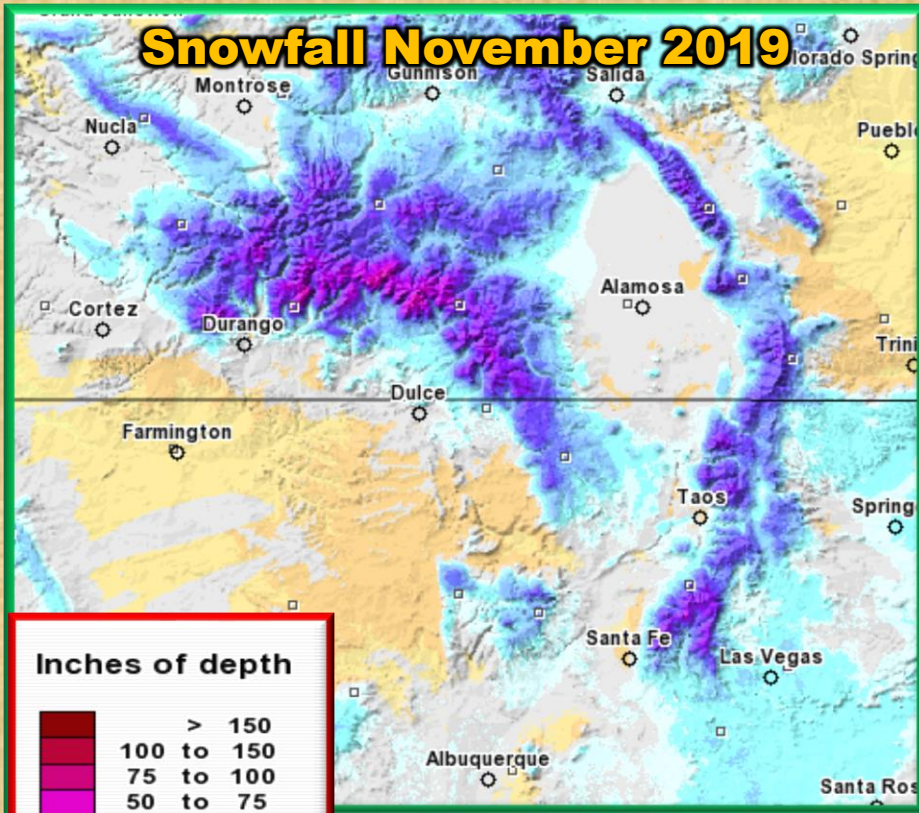
- Intensity:
-  D0 - Abnormally Dry
 -  D1 - Moderate Drought
 -  D2 - Severe Drought
 -  D3 - Extreme Drought
 -  D4 - Exceptional Drought



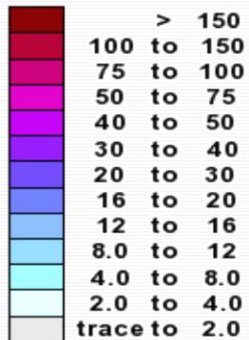
Build your own custom slider maps here at:

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

Snow Data Upper Rio Grand Basin as of November 30, 2019

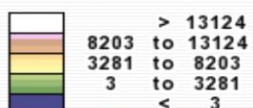


Inches of depth

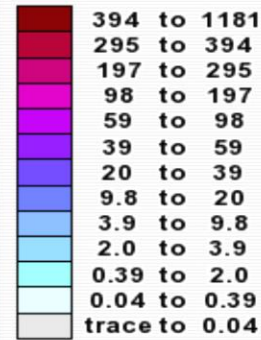


Not Estimated

Elevation in feet

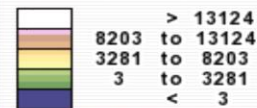


Inches of depth



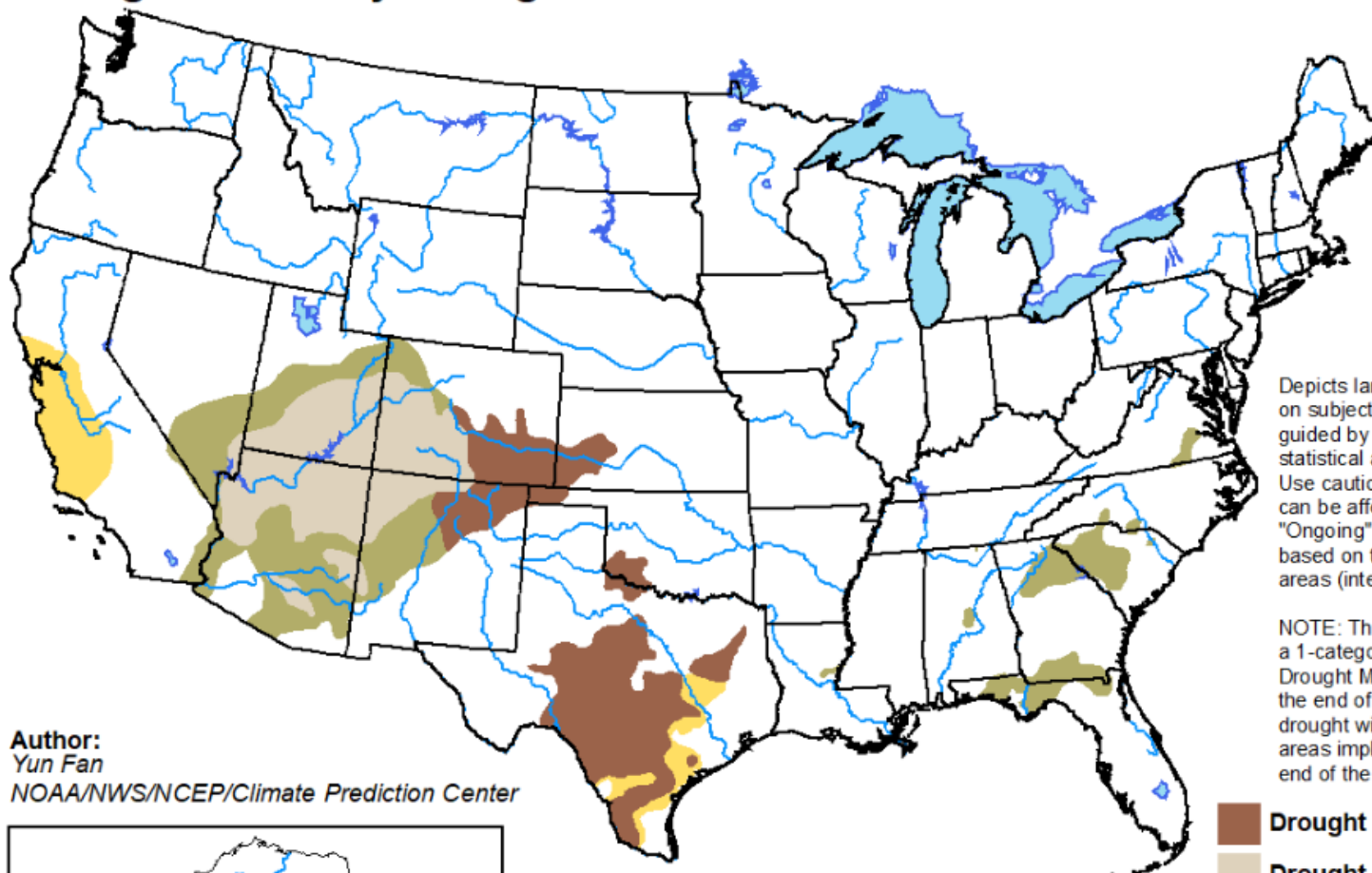
Not Estimated

Elevation in feet



U.S. Seasonal Drought Outlook





Valid for November 21, 2019 - February 29, 2020
Drought Tendency During the Valid Period
Released November 21, 2019

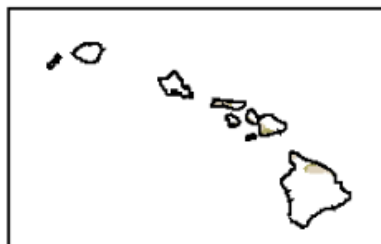


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

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

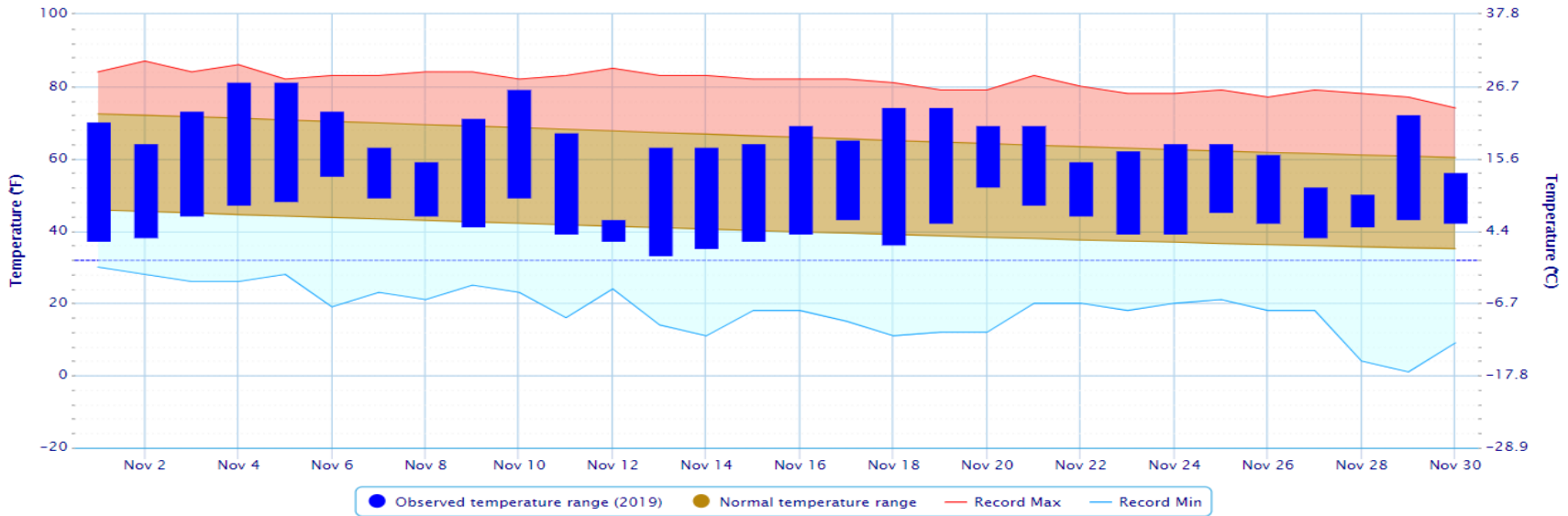


<http://go.usa.gov/3eZ73>

Temperature and precipitation data for November 2019 in El Paso

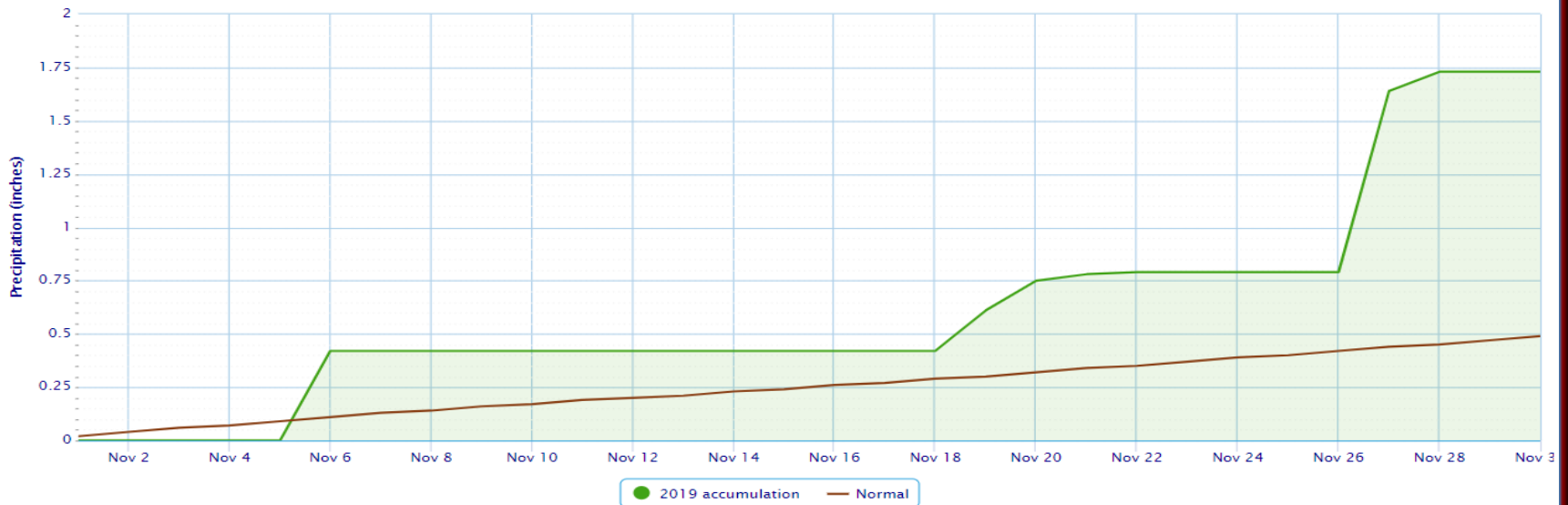
Daily Temperature Data – El Paso Area, TX (ThreadEx)

Period of Record – Max temperature: 1887-01-01 to 2019-11-30; Min temperature: 1879-01-01 to 2019-11-30. Normals period: 1981-2010. Click and drag to zoom chart.

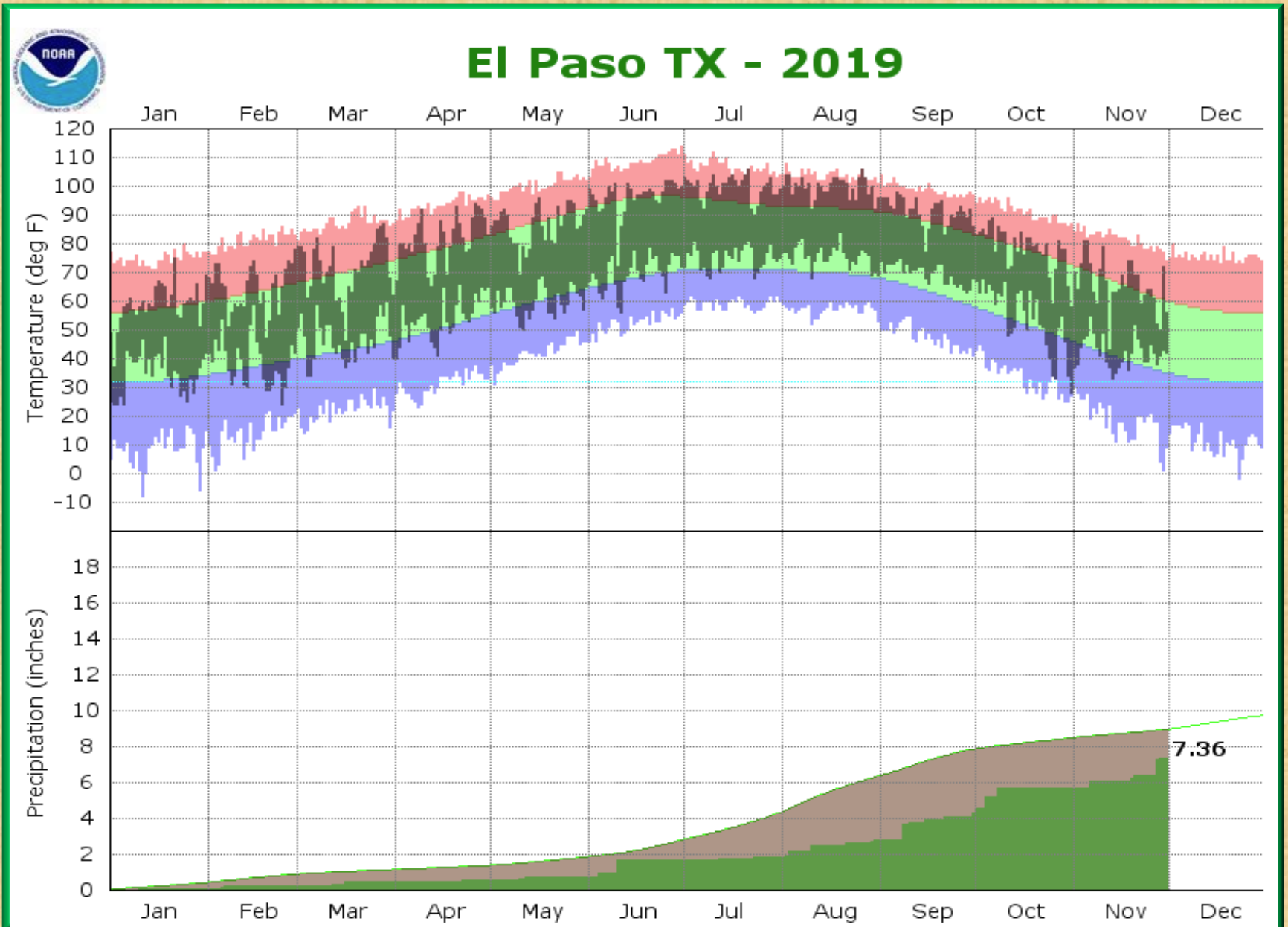


Accumulated Precipitation – El Paso Area, TX (ThreadEx)

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



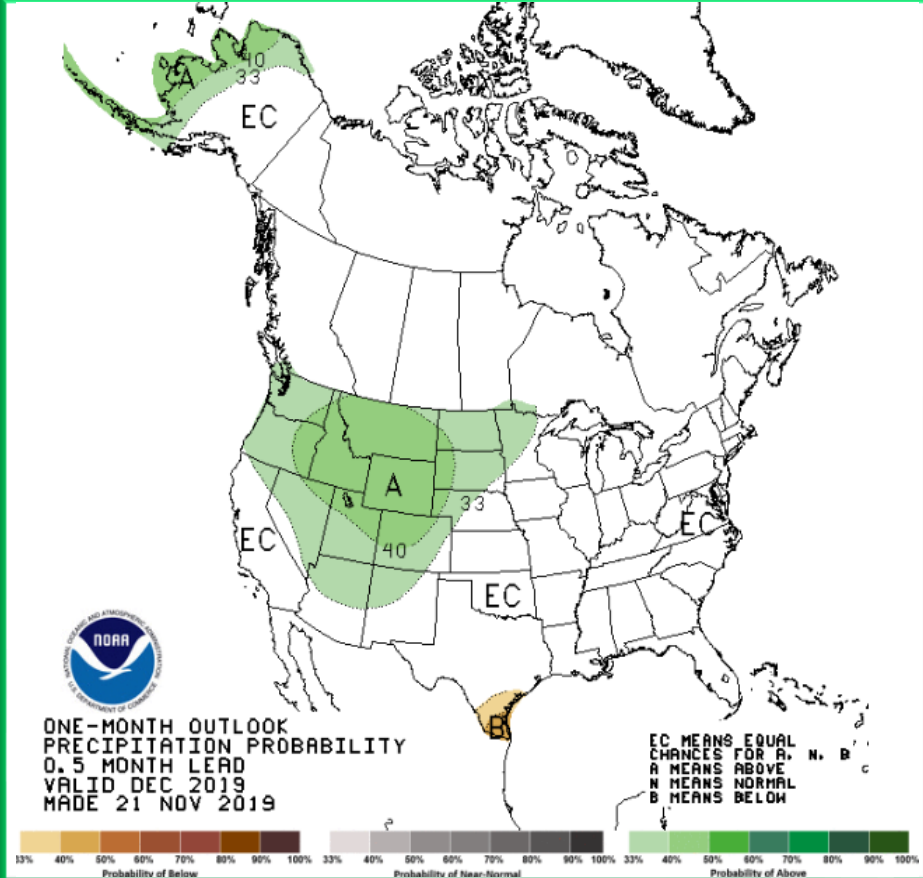
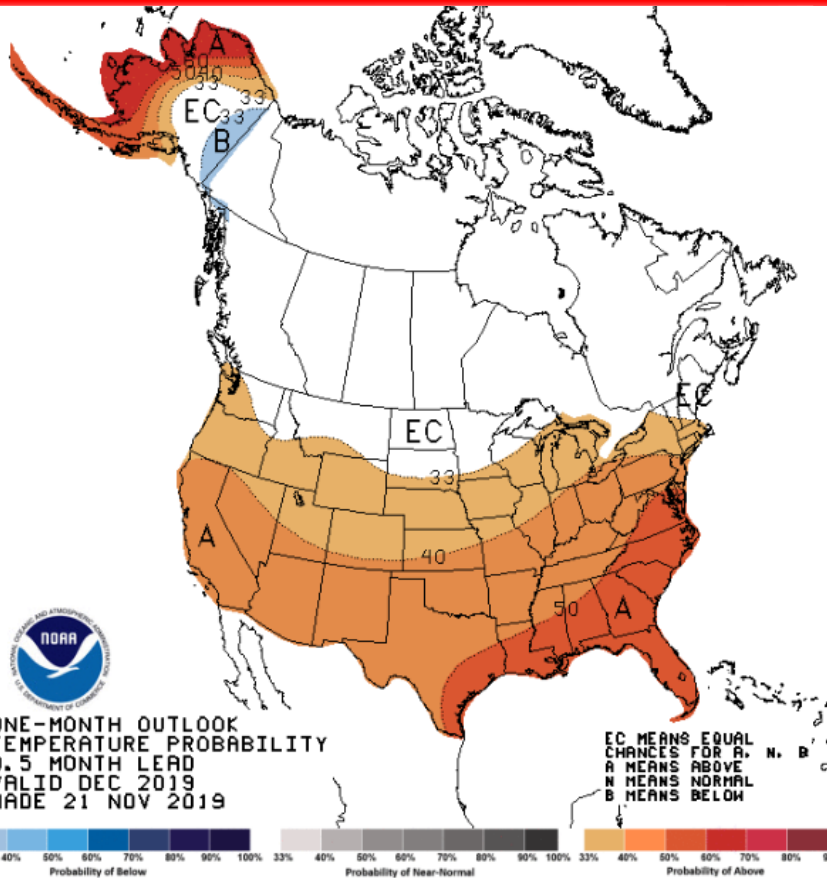
2019 year-to-date temperature and precipitation data El Paso



Temperature and precipitation outlook for December 2019

Temperature

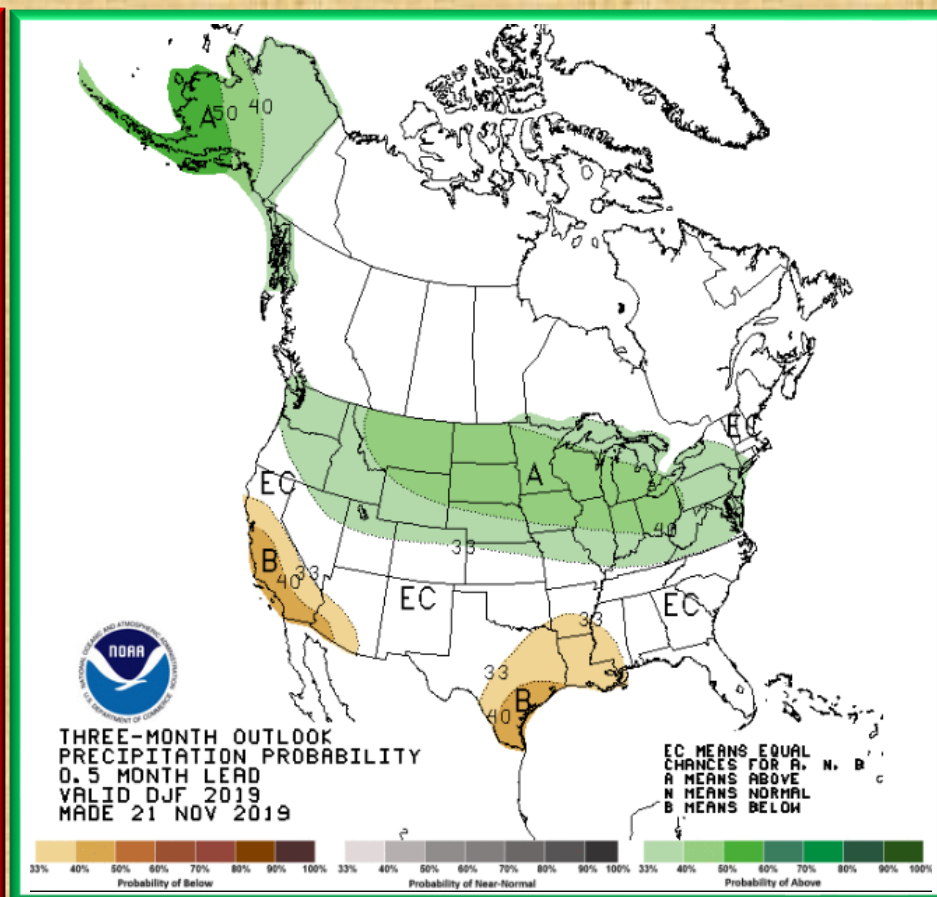
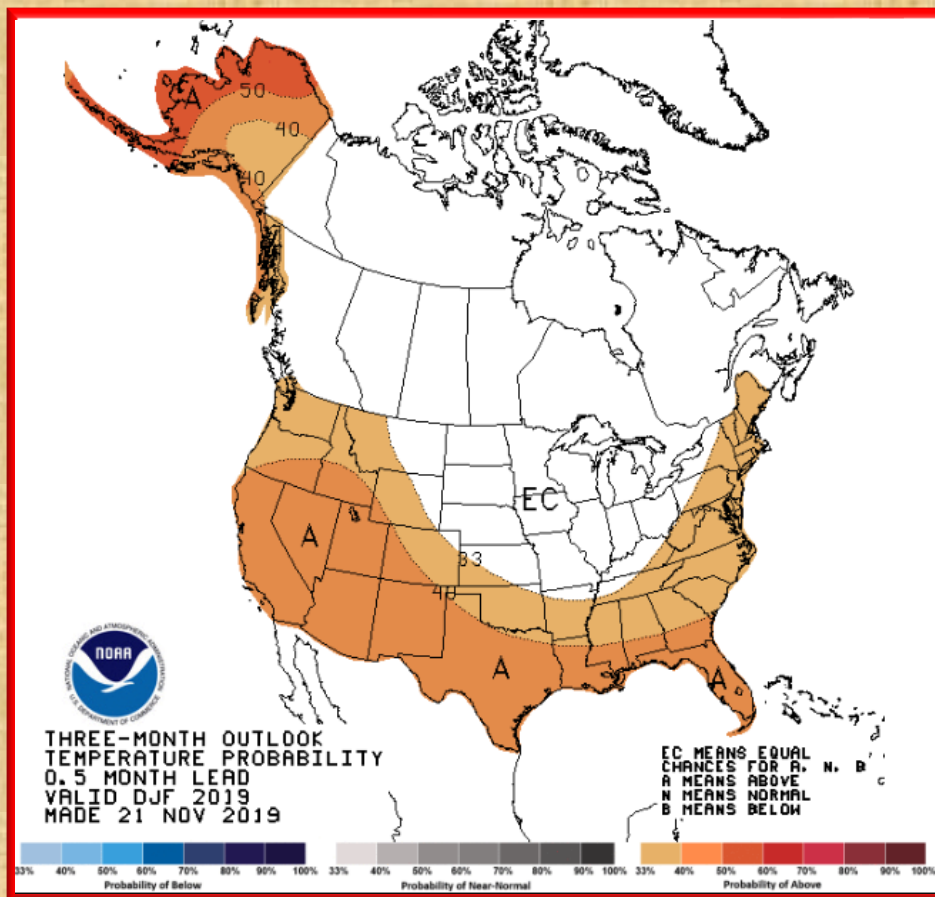
Precipitation



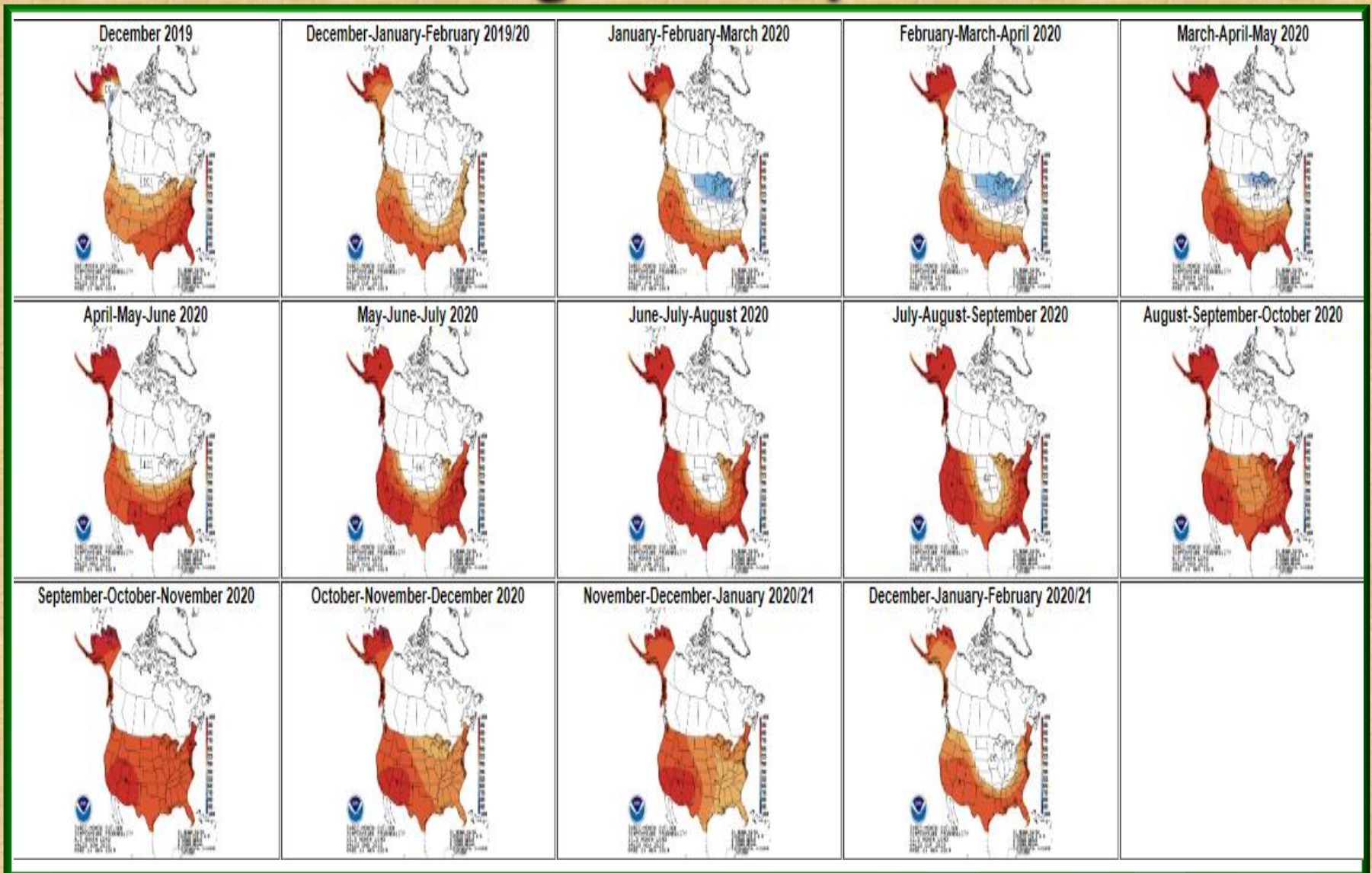
Temperature and precipitation outlook For December-February 2019

Temperature

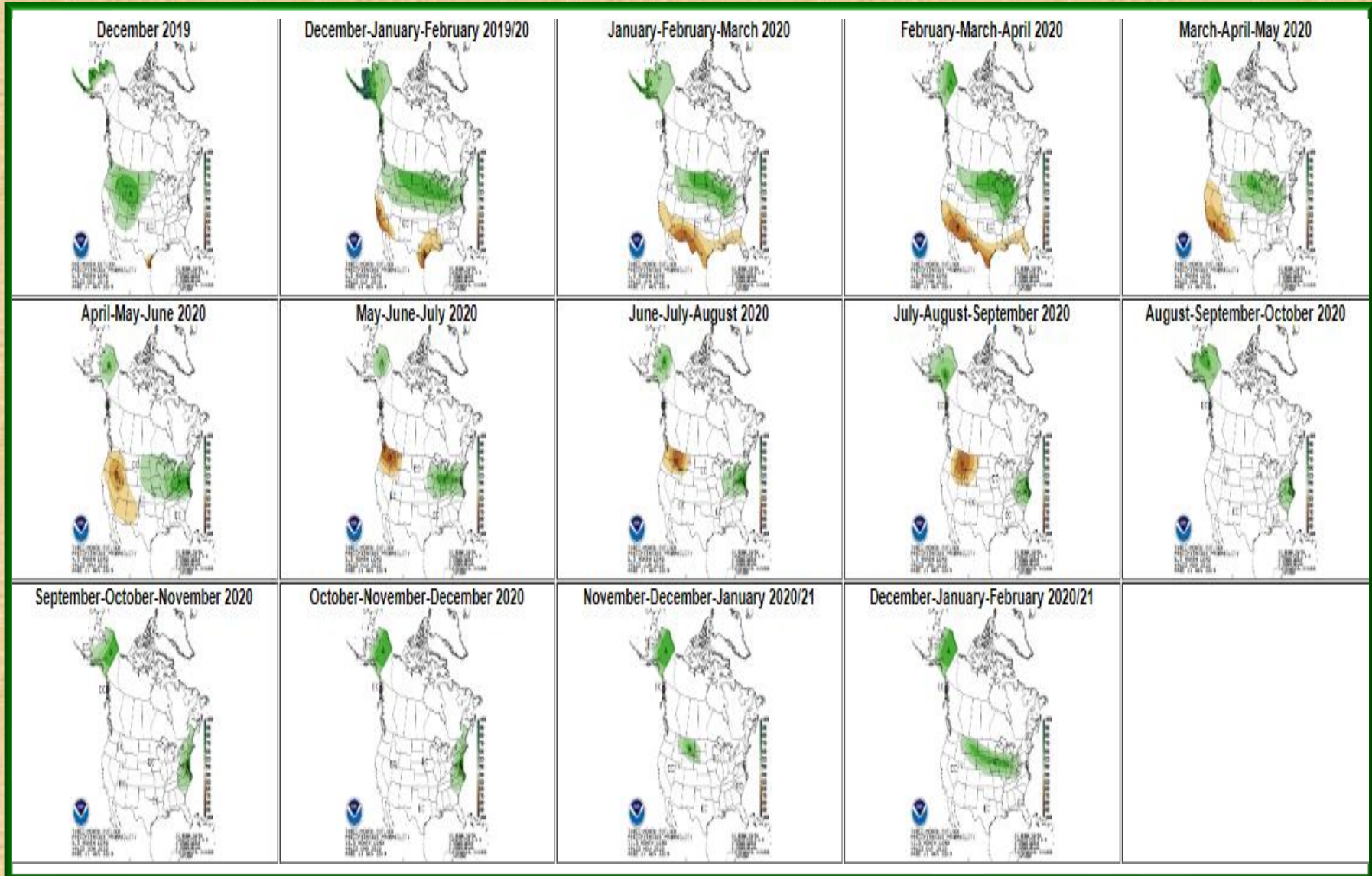
Precipitation



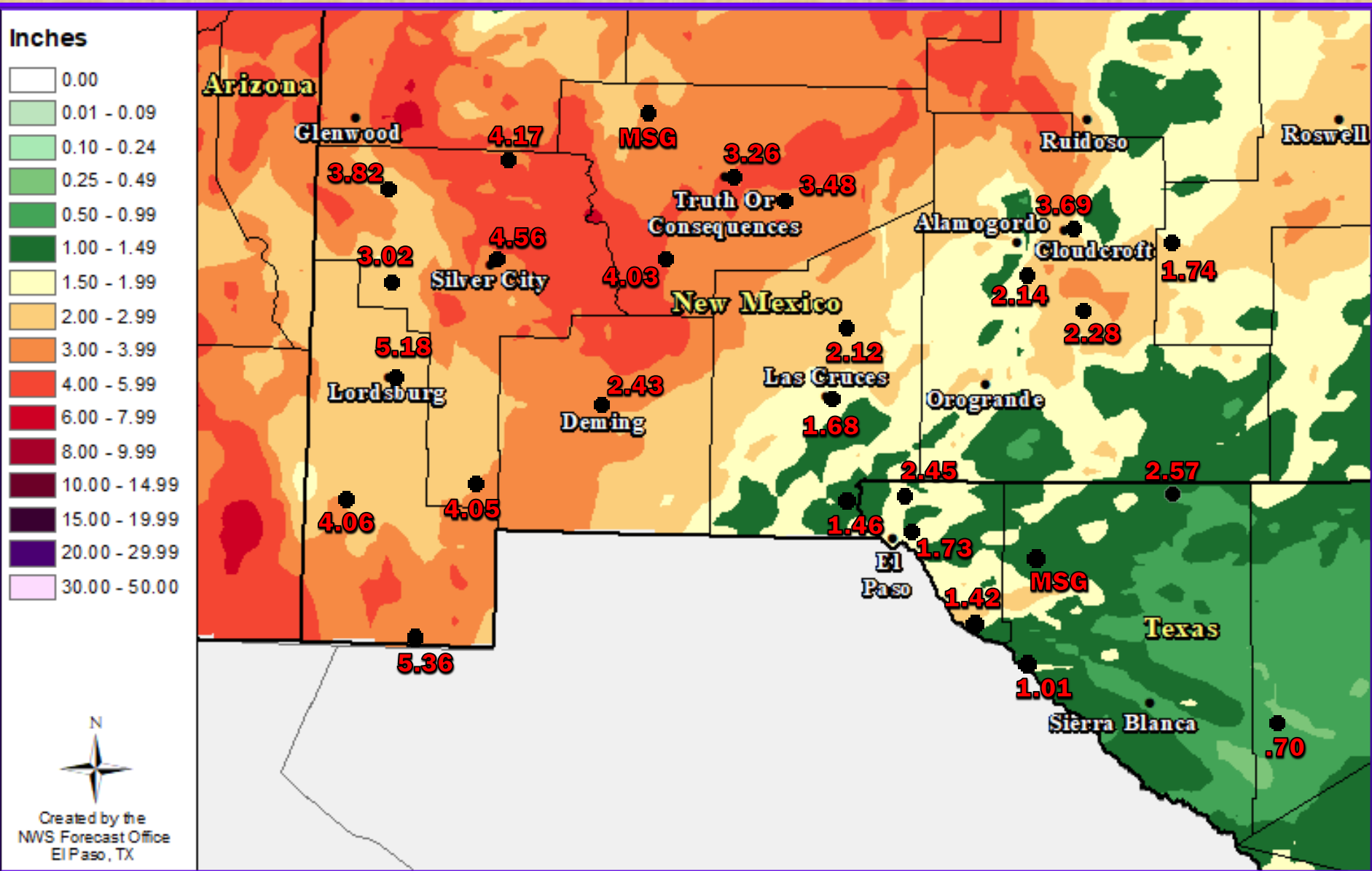
Temperature Outlook Through February 2021



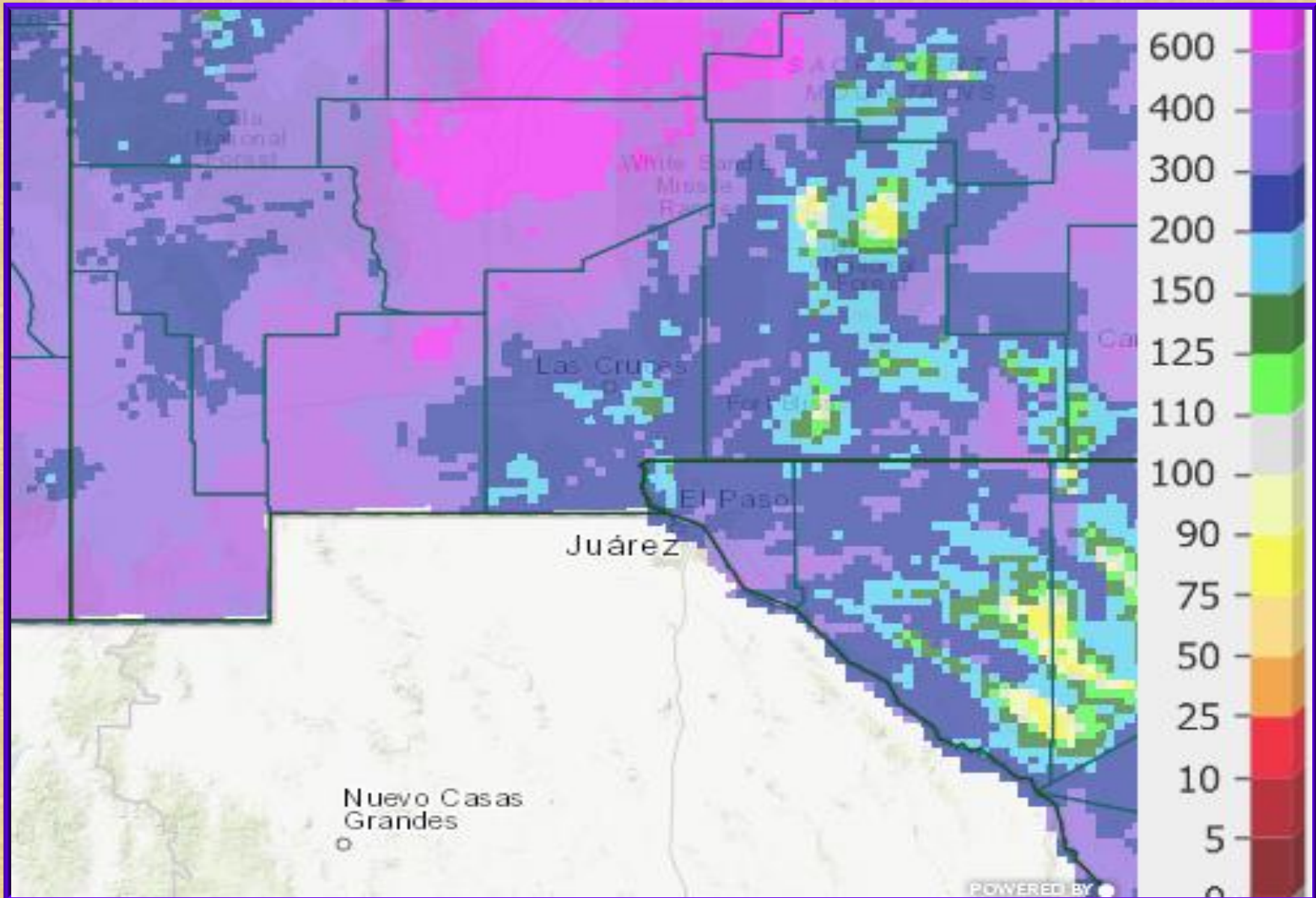
Precipitation Outlook Through February 2021



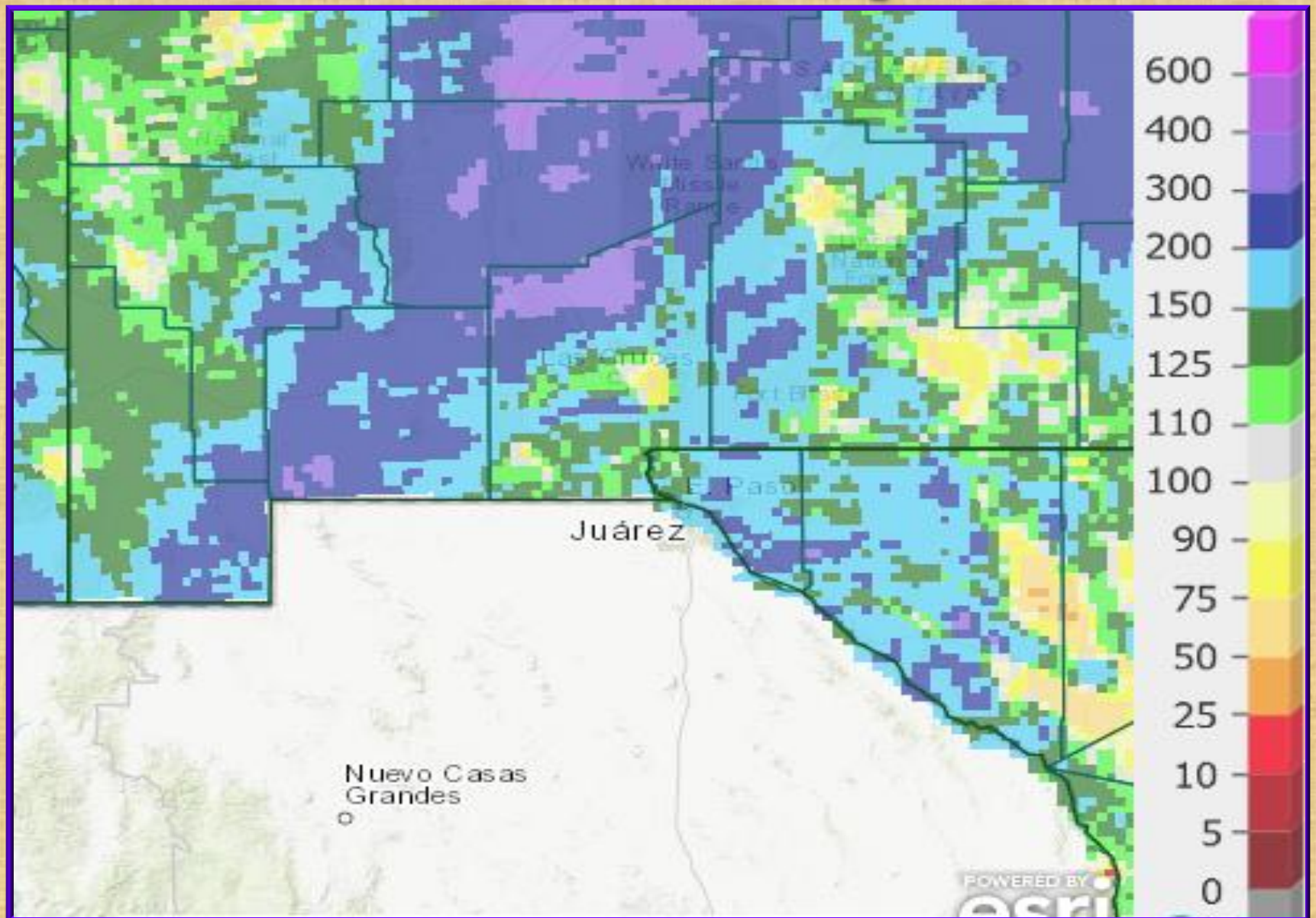
November 2019 radar rainfall estimate with surface rainfall reports



November 2019 radar rainfall estimate percent of normal

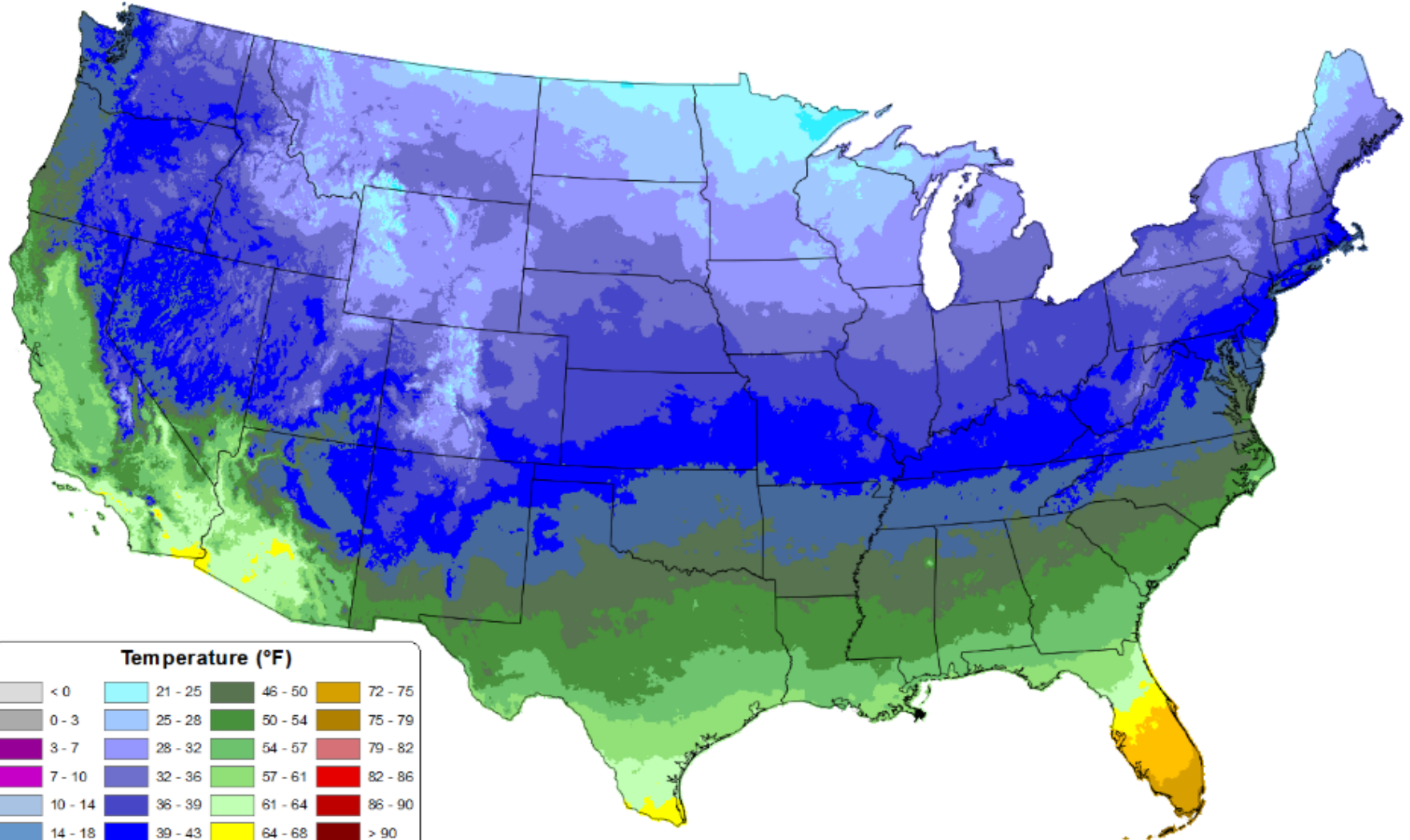


Radar rainfall estimate percent of normal for the Water Year (Oct 1 to present)



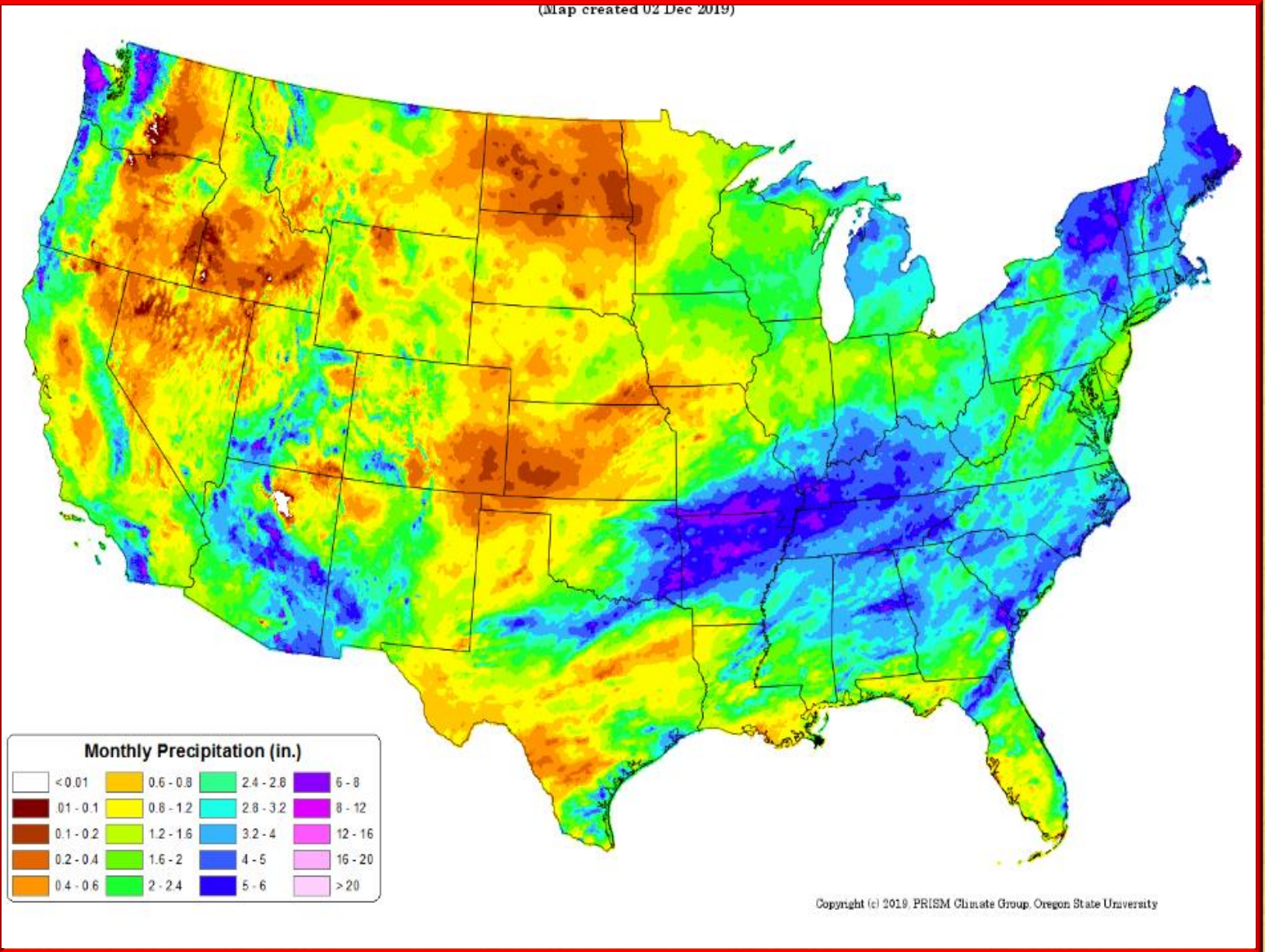
Average Daily Mean Temperature for November 2019

(Map created 02 Dec 2019)



Total Precipitation for November 2019

(Map created 02 Dec 2019)



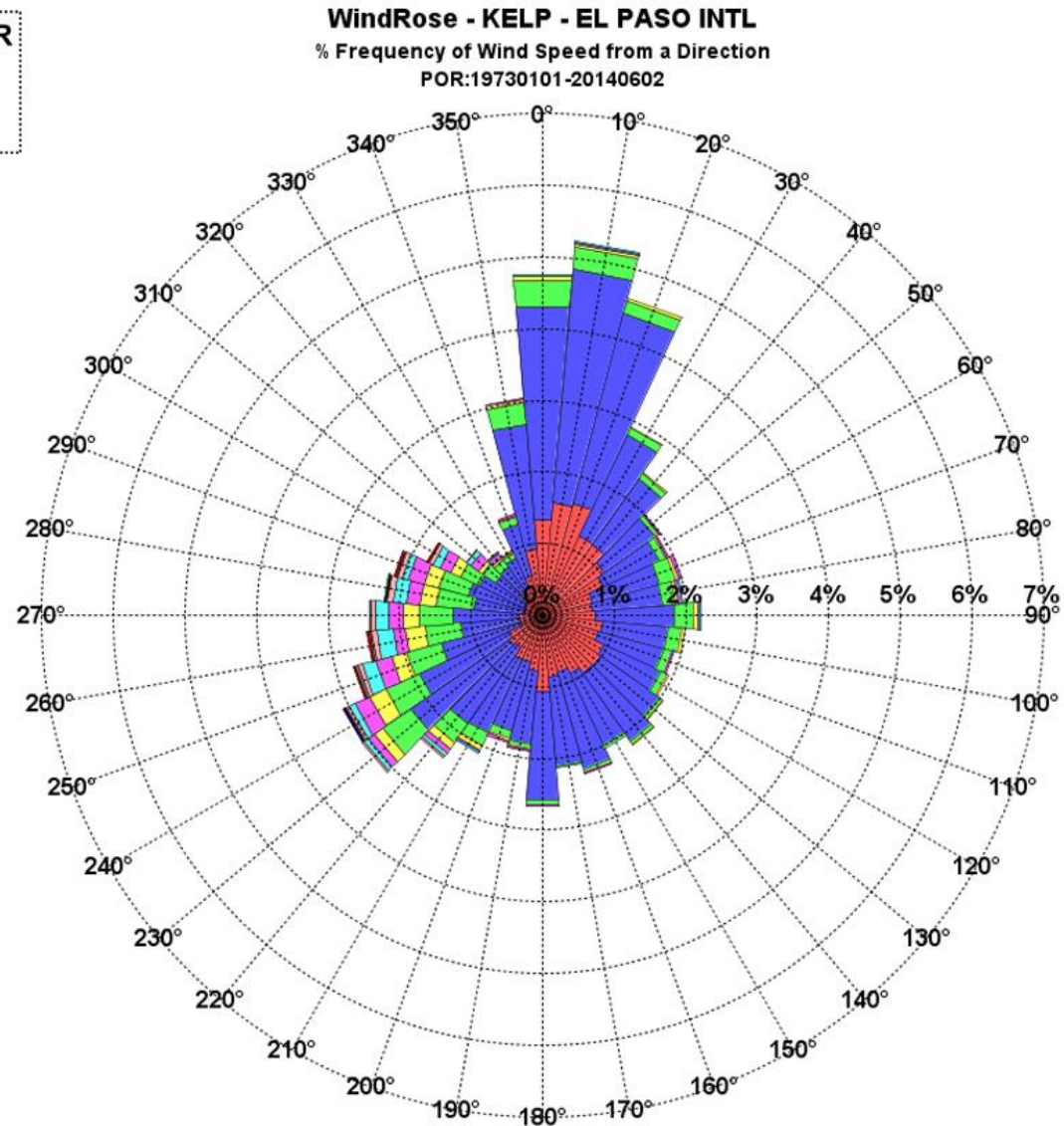
Special Features

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

Month: NOVEMBER

Calm: 12.23%

Variable: 2.30%



Selected weather reports November 2019

Date/Time	Location (County)	Event
NOVEMBER 2 635 AM	LORDSBURG 6SW-HIDALGO	44 MPH PEAK WIND
NOVEMBER 2 446 AM	EL PASO 6NW-EL PASO	41 MPH PEAK WIND
NOVEMBER 20 830 AM	MIMBRES 4SE-GRANT	1.00 INCH RAIN
NOVEMBER 20 800 AM	SILVER CITY 24SW-GRANT	1.00 INCH RAIN
NOVEMBER 20 800 AM	DEMING 27NW-LUNA	0.93 INCH RAIN
NOVEMBER 20 700 AM	SAN LORENZO 17E-GRANT	0.92 INCH RAIN
NOVEMBER 20 700 AM	BAYARD 6N-GRANT	0.92 INCH RAIN
NOVEMBER 20 700 AM	EL PASO 6NE-EL PASO	0.89 INCH RAIN
NOVEMBER 20 700 AM	SOCORRO-EL PASO	0.80 INCH RAIN
NOVEMBER 20 700 AM	TYRONE 3SW-GRANT	0.75 INCH RAIN
NOVEMBER 20 800 AM	DEMING 4N-LUNA	0.72 INCH RAIN

Selected weather reports November 2019

Date/Time	Location (County)	Event
NOVEMBER 20 700 AM	HORIZON CITY-EL PASO	0.71 INCH RAIN
NOVEMBER 20 700 AM	HILLSBORO-SIERRA	0.68 INCH RAIN
NOVEMBER 20 700 AM	CLOUDCROFT-OTERO	0.58 INCH RAIN
NOVEMBER 20 700 AM	CHAPARRAL-DONA ANA	0.54 INCH RAIN
NOVEMBER 20 700 AM	CLINT 2SE-EL PASO	0.53 INCH RAIN
NOVEMBER 20 700 AM	SANTA TERESA 1SE-DONA ANA	0.51 INCH RAIN
NOVEMBER 26 100 PM	SAN AUGUSTIN PASS-DONA ANA	80 MPH PEAK WIND GUST
NOVEMBER 26 1240 PM	WSMR MAIN POST-DONA ANA	68 MPH PEAK WIND GUST
NOVEMBER 26 1000 AM	NORTHRUP STRIP 11SW-DONA ANA	63 MPH PEAK WIND GUST
NOVEMBER 26 830 AM	SUNSPOT-OTERO	59 MPH PEAK WIND GUST
NOVEMBER 26 120 PM	EL PASO 1NW-EL PASO	58 MPH PEAK WIND GUST

Selected weather reports November 2019

Date/Time	Location (County)	Event
NOVEMBER 26 1155 AM	LAS CRUCES ARPT-DONA ANA	56 MPH PEAK WIND GUST
NOVEMBER 26 136 PM	CLOUDCROFT-OTERO	56 MPH PEAK WIND GUST
NOVEMBER 26 601 AM	MAYHILL-OTERO	55 MPH PEAK WIND GUST
NOVEMBER 26 641 AM	MESCALERO-OTERO	53 MPH PEAK WIND GUST
NOVEMBER 26 112 AM	EL PASO ARPT-EL PASO	53 MPH PEAK WIND GUST
NOVEMBER 26 1115 AM	T OR C ARPT-SIERRA	50 MPH PEAK WIND GUST
NOVEMBER 26 643 PM	DELL CITY-HUDSPETH	49 MPH PEAK WIND GUST
NOVEMBER 26 950 PM	DEMING ARPT-LUNA	45 MPH PEAK WIND GUST
NOVEMBER 29 120 PM	SAN AUGUSTIN-DONA ANA	76 MPH PEAK WIND GUST
NOVEMBER 29 1059 AM	REDROCK 12E-GRANT	73 MPH PEAK WIND GUST
NOVEMBER 29 1155 AM	NORTHRUP STRIP-DONA ANA	68 MPH PEAK WIND GUST

Selected weather reports November 2019

Date/Time	Location (County)	Event
NOVEMBER 29 610 AM	ROAD FORKS-HIDALGO	66 MPH PEAK WIND GUST
NOVEMBER 29 1140 AM	HACHITA-HIDALGO	66 MPH PEAK WIND GUST
NOVEMBER 29 135 PM	SUNSPOT-OTERO	64 MPH PEAK WIND GUST
NOVEMBER 29 1132 AM	DEMING ARPT-LUNA	62 MPH PEAK WIND GUST
NOVEMBER 29 850 AM	WSMR MAIN POST-DONA ANA	61 MPH PEAK WIND GUST
NOVEMBER 29 108 PM	EL PASO 6NE-EL PASO	60 MPH PEAK WIND GUST
NOVEMBER 29 1235 PM	SPACEPORT-SIERRA	58 MPH PEAK WIND GUST
NOVEMBER 29 200 PM	CHAPARRAL	54 MPH PEAK WIND GUST
NOVEMBER 29 337 PM	OROGRANDE 28NE-OTERO	53 MPH PEAK WIND GUST
NOVEMBER 29 125 PM	TULAROSA 19NW-OTERO	53 MPH PEAK WIND GUST
NOVEMBER 29 151 PM	EL PASO ARPT-EL PASO	52 MPH PEAK WIND GUST

Selected weather reports November 2019

Date/Time	Location (County)	Event
NOVEMBER 29 1208 PM	T OR C ARPT-SIERRA	51 MPH PEAK WIND GUST
NOVEMBER 29 141 PM	MESCALERO-OTERO	51 MPH PEAK WIND GUST
NOVEMBER 29 100 PM	SANTA TERESA 5SW	51 MPH PEAK WIND GUST

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**

