

January 2019 Weather Digest



January 2019 Weather Summary

January turned out to be fairly typical in that there were plenty of storm systems moving by, but for the most part far enough north of our area to limit showers, and bring mostly gusty winds. Several weaker storms did bring some rain and snow to the mountains, but just one storm, on the 9th and 10th, brought some light showers to the lowlands. Otherwise, just a healthy dose of wind storms as we enter the late winter/spring windy season. The El Paso International Airport recorded a monthly high peak wind of 52 mph on the 18th. This January had a bit more cloud cover than usual, and that was reflected with the average temperatures around the Borderland. Average high temperatures at many of the stations were slightly below normal, while the average low temperatures were a bit above normal.

As you can see below on the radar estimated precipitation charts, the majority of the area was below normal in precipitation, with many areas being well below normal. The only above normal rainfall area was around the Sierra County Lakes region northeastward. Despite our dryness in January, the drought situation looks to remain fairly positive, as the seasonal precipitation values are still above normal for the lowlands, and just a bit below normal for the mountains.

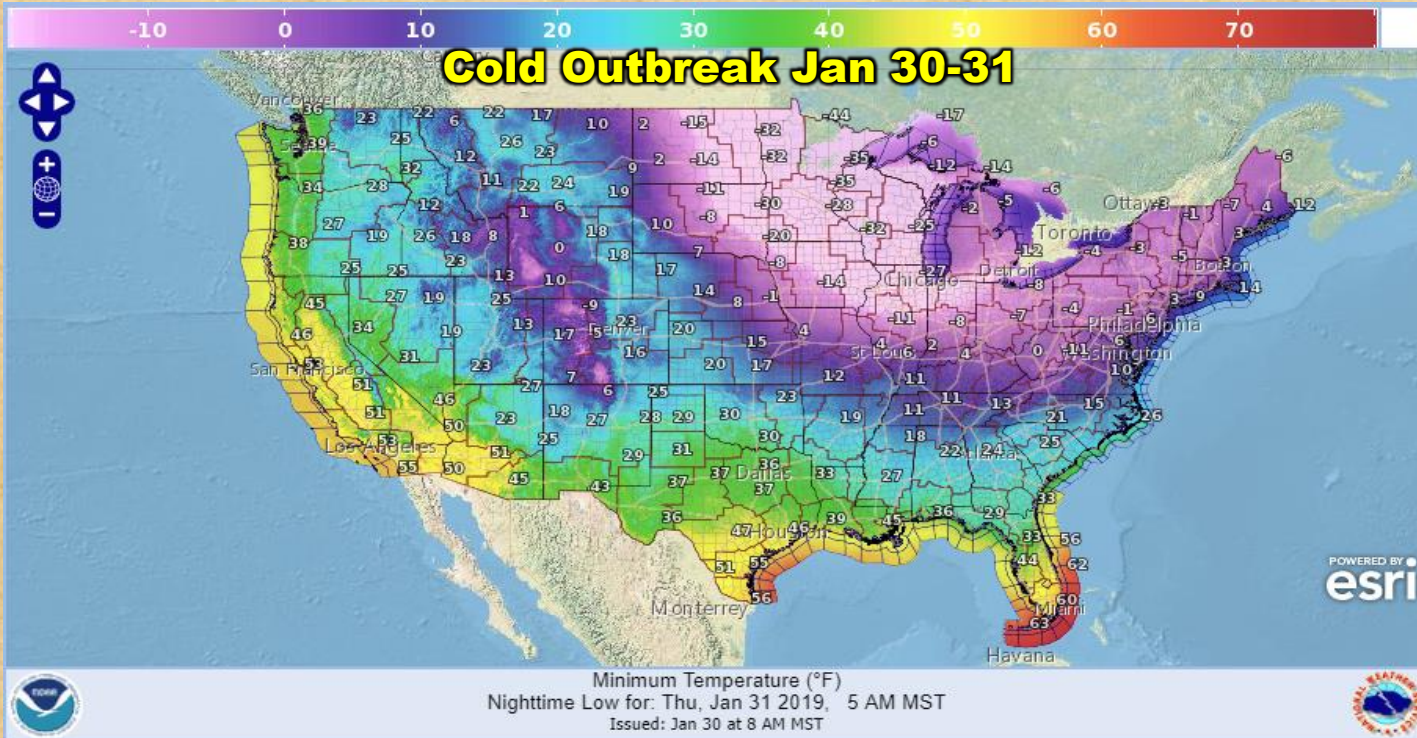
January 2019 Weather Summary Contd.

Looking ahead to February, daylight and average temperatures continue to increase. We gain nearly 50 minutes of sunshine by the end of the month. Sunset in El Paso is 540 pm on the 1st, and 603 pm on 28th. The average high temperature at El Paso is 60 degrees on the first, increasing to 66 degrees by the end of the month.

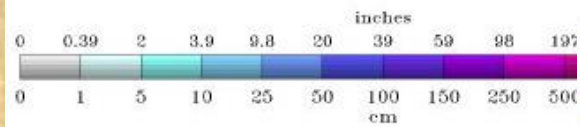
Snow beginning in Silver City Jan 2



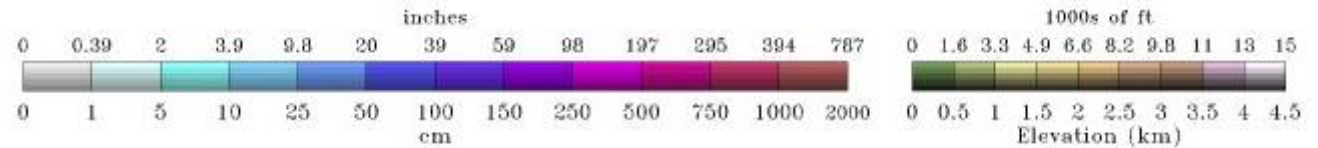
Snow near Silver City Jan 2



Snow Cover Jan 1



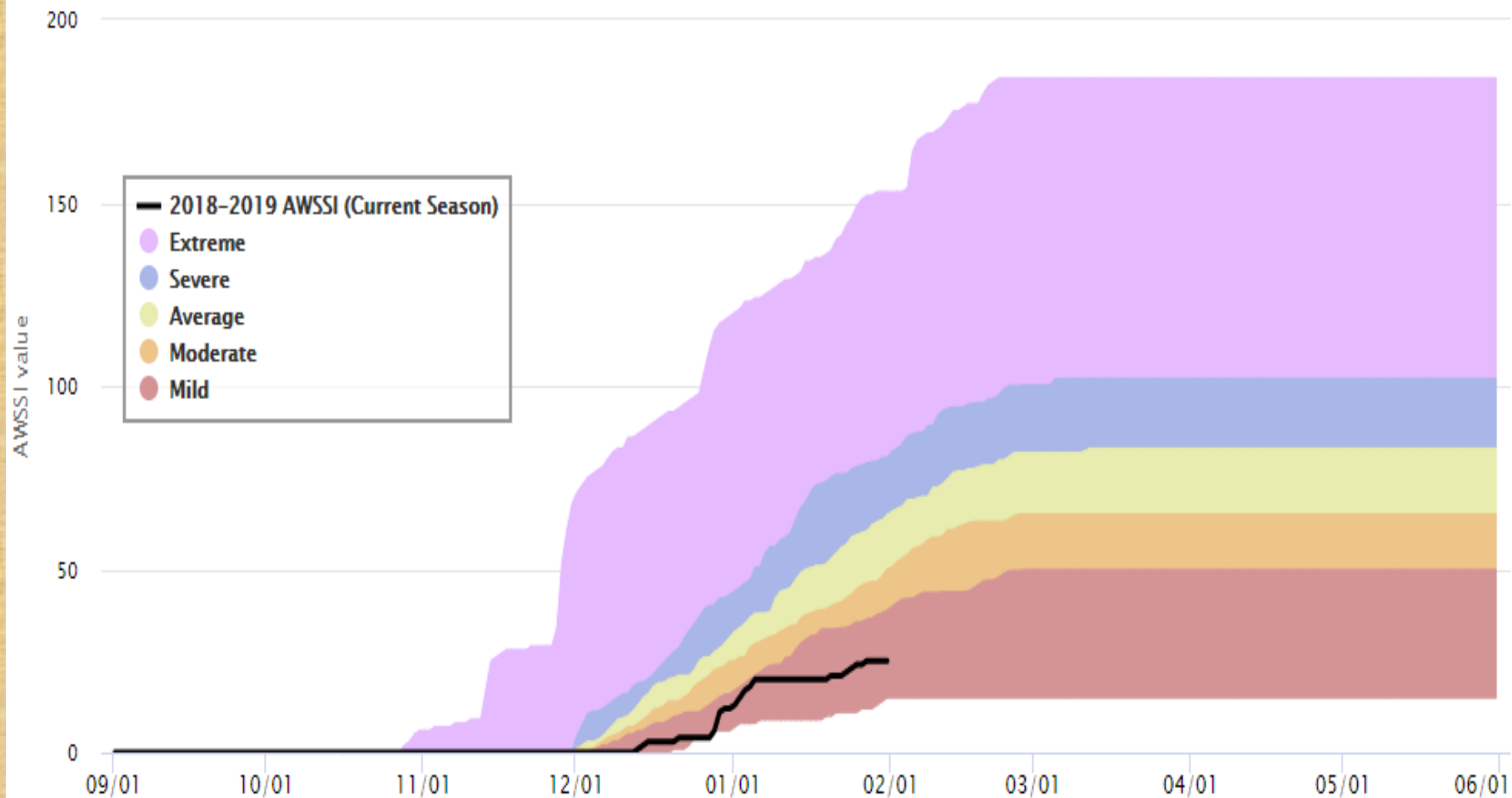
Snow Cover Jan 31



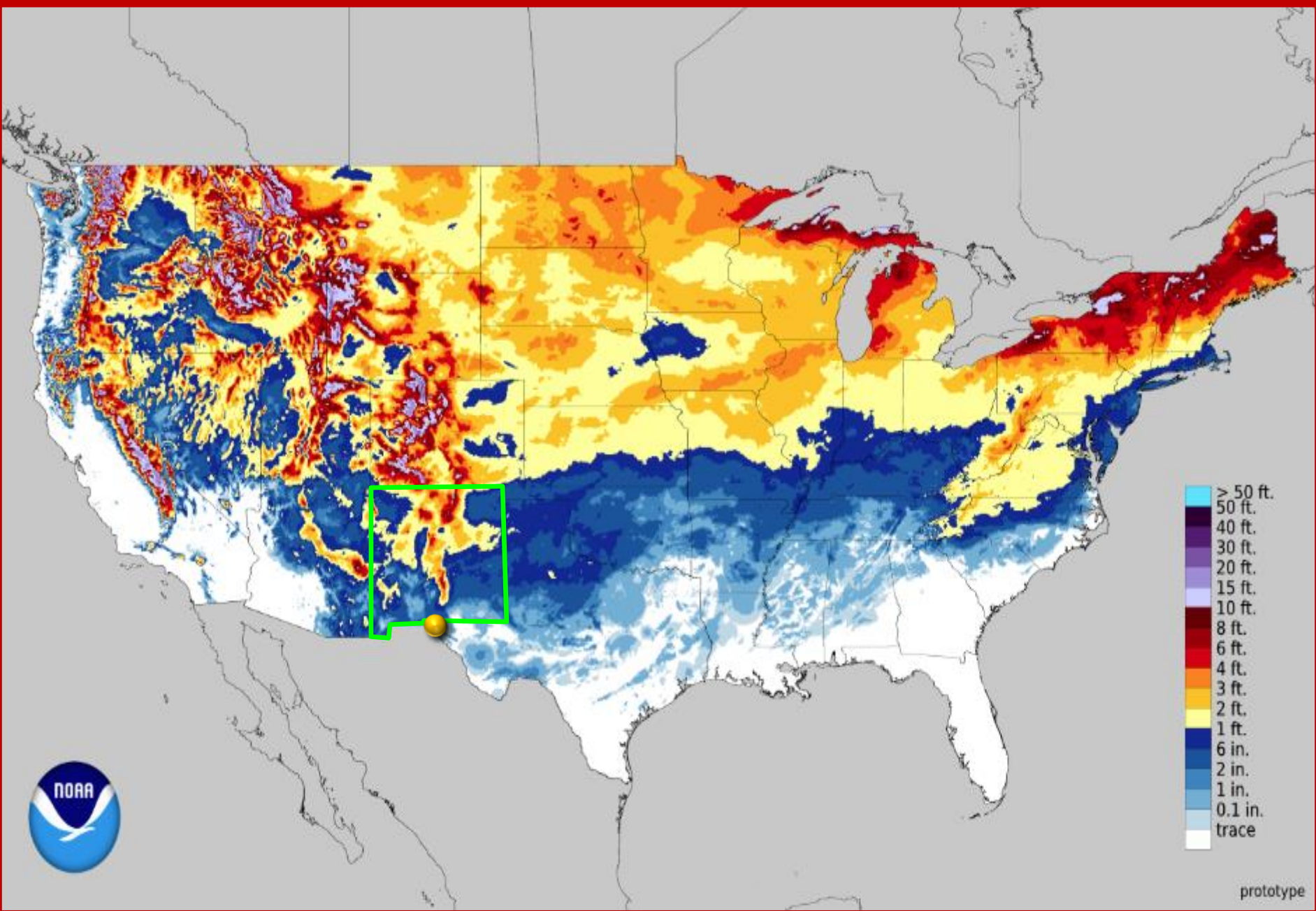
El Paso Winter Severity Index Through Jan 31

2018-2019 AWSSI: "TX - El Paso"

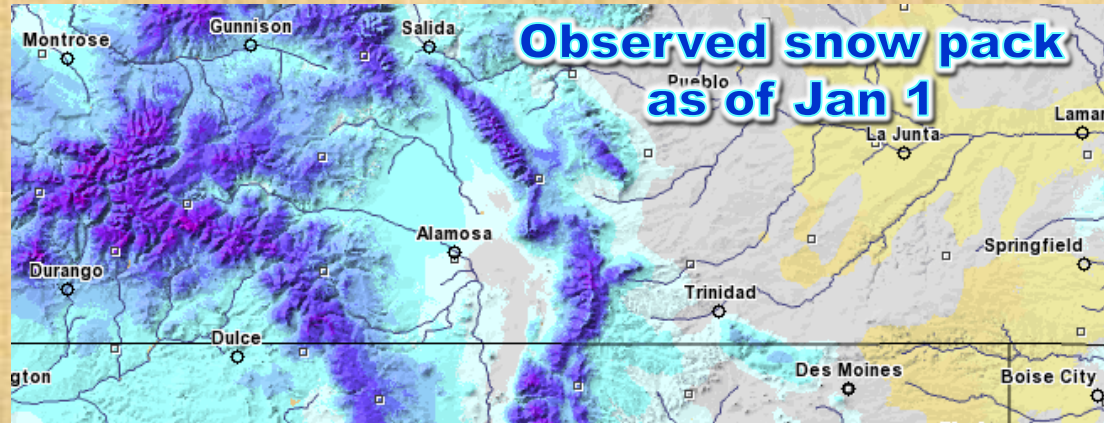
Season: 2018-12-01 to 2019-01-31, 62 days



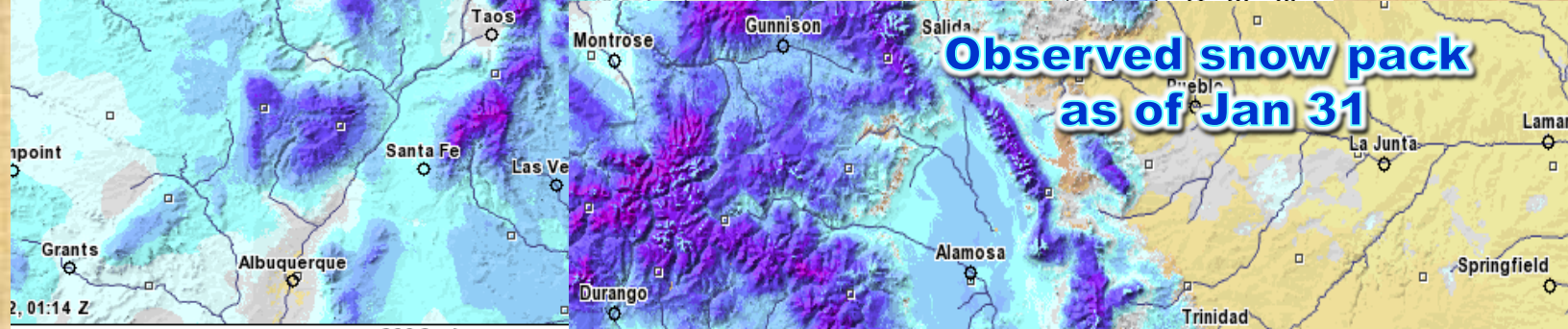
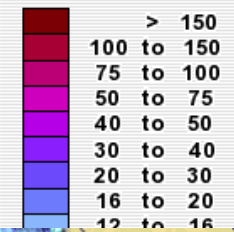
Total snowfall for this season through Jan 31



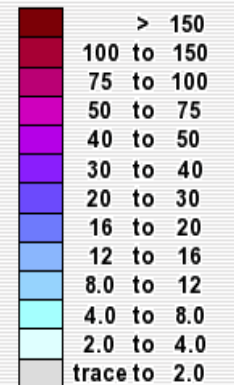
How is the upper Rio Grande Basin snow pack doing? About Average. These charts show snow pack is around 80-90% of normal



Inches of depth

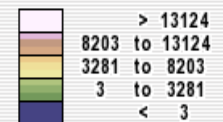


Inches of depth

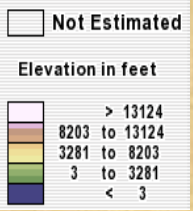
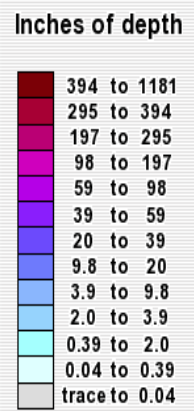
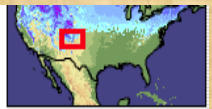
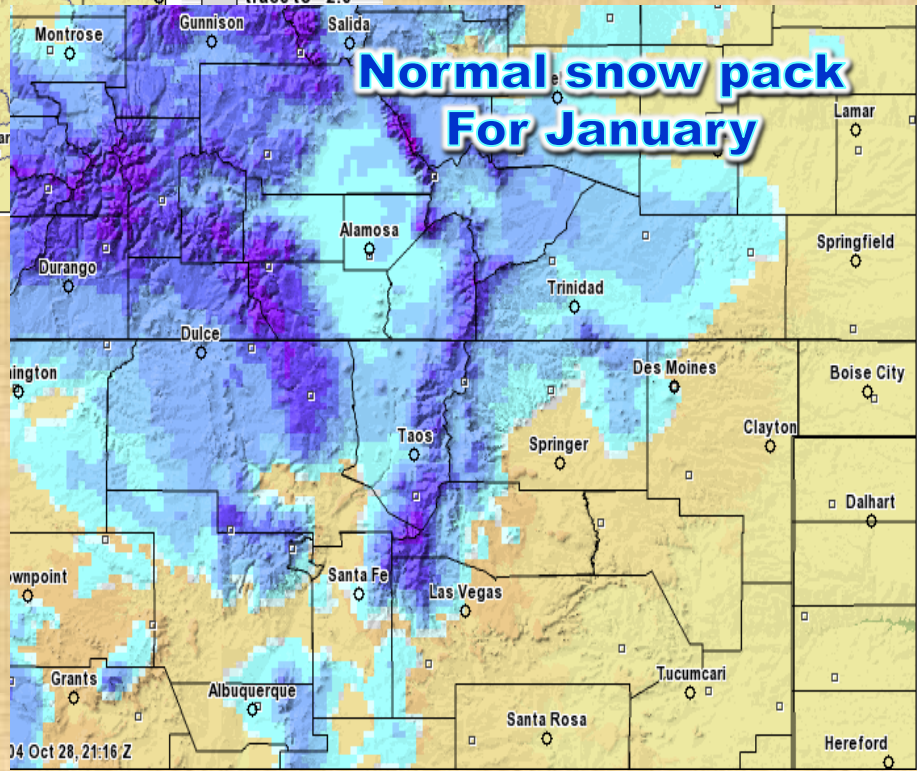
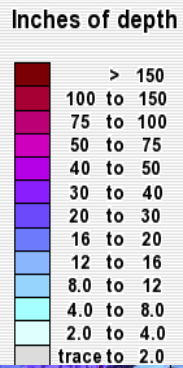
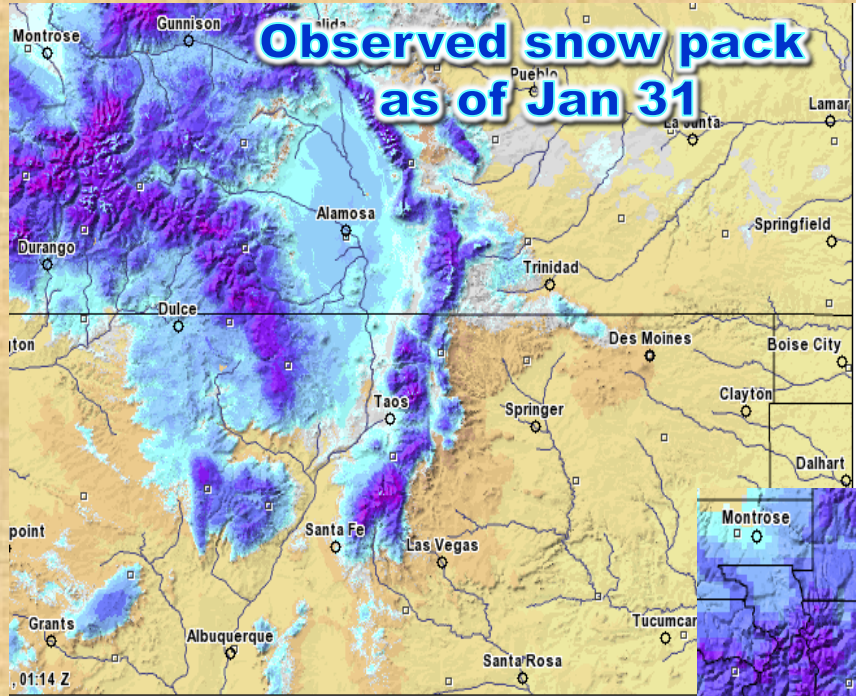


Not Estimated

Elevation in feet



How is the upper Rio Grande Basin snow pack doing? About Average. These charts show snow pack is around 80-90% of normal



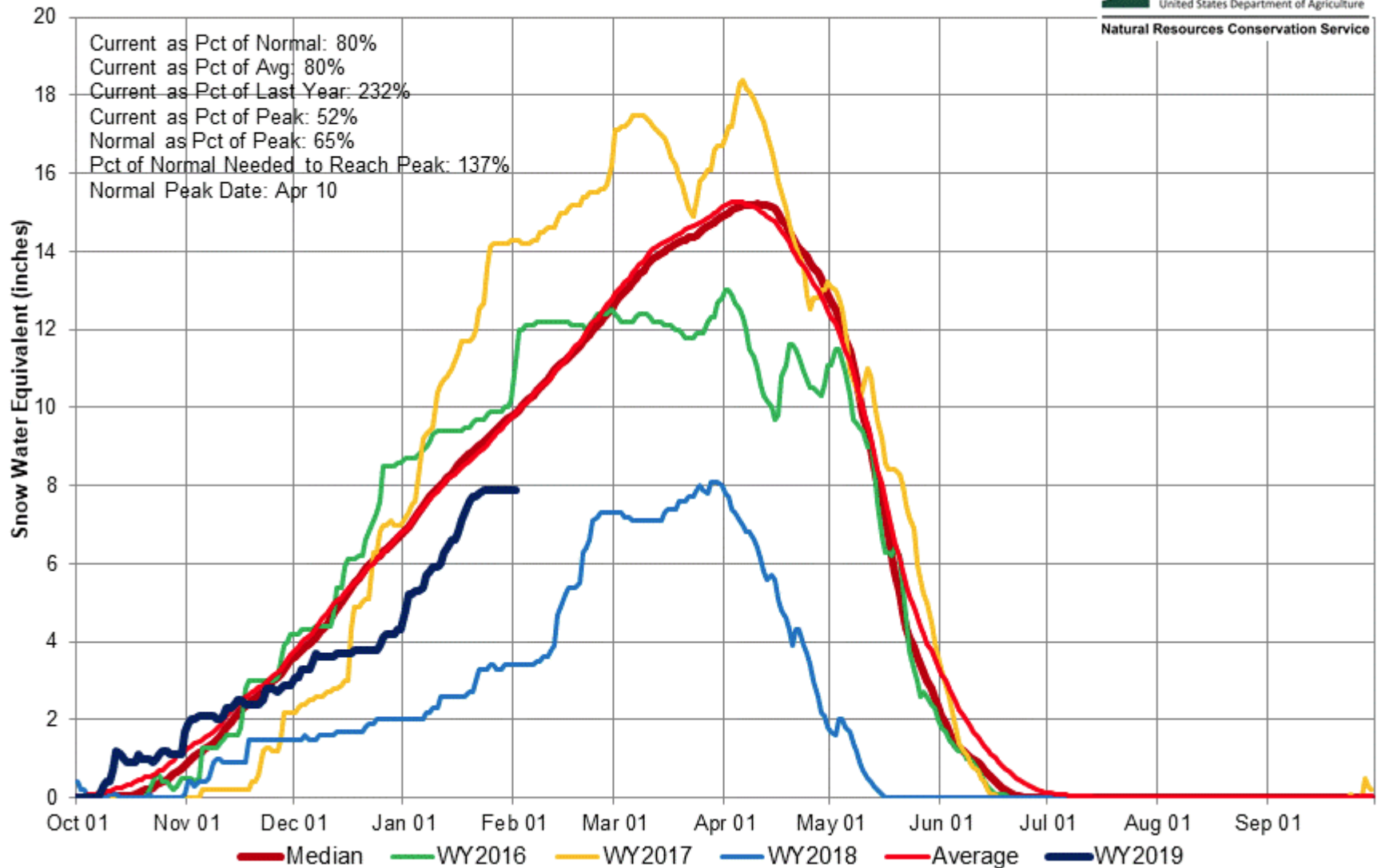
Upper Rio Grande River Basin Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Feb 01, 2019



United States Department of Agriculture

Natural Resources Conservation Service



El Niño Watch in Effect

ENSO Alert System

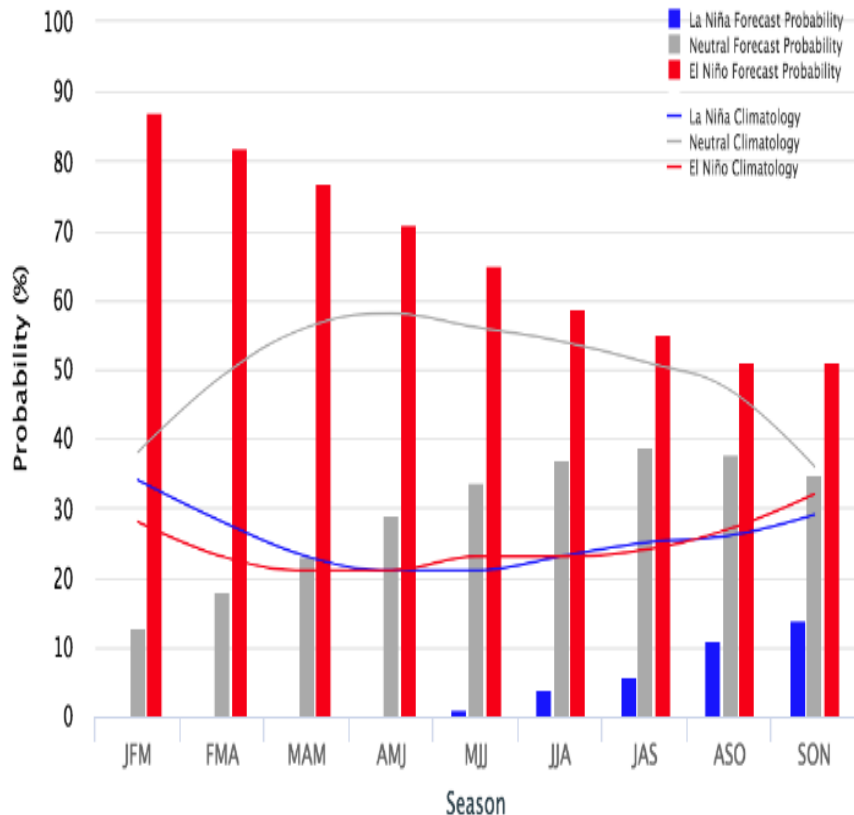
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

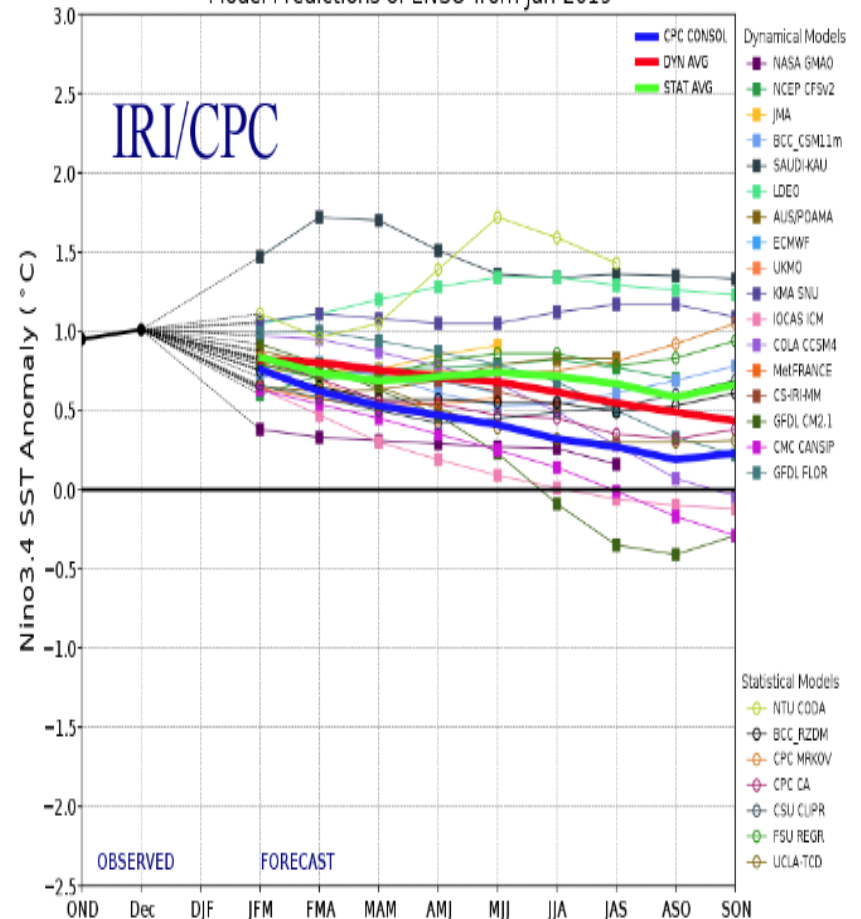
ENSO is now in a weak El Niño phase and should remain there for most of the winter

Mid-January 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 Jan 2019

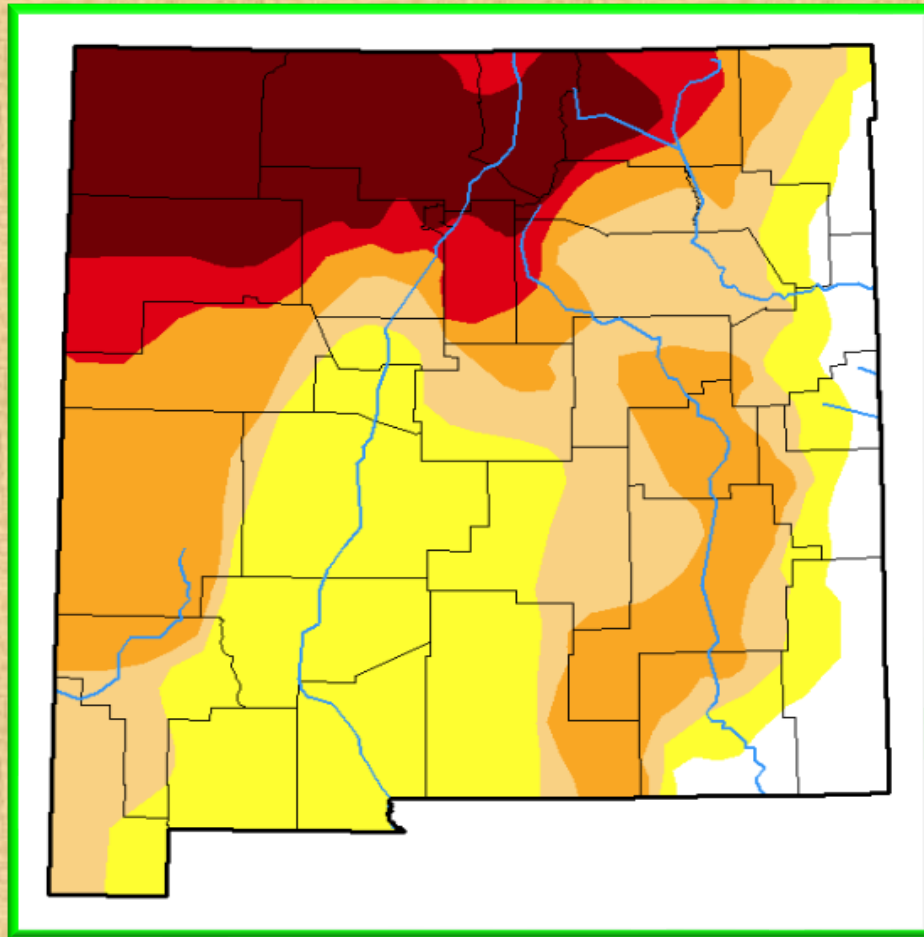
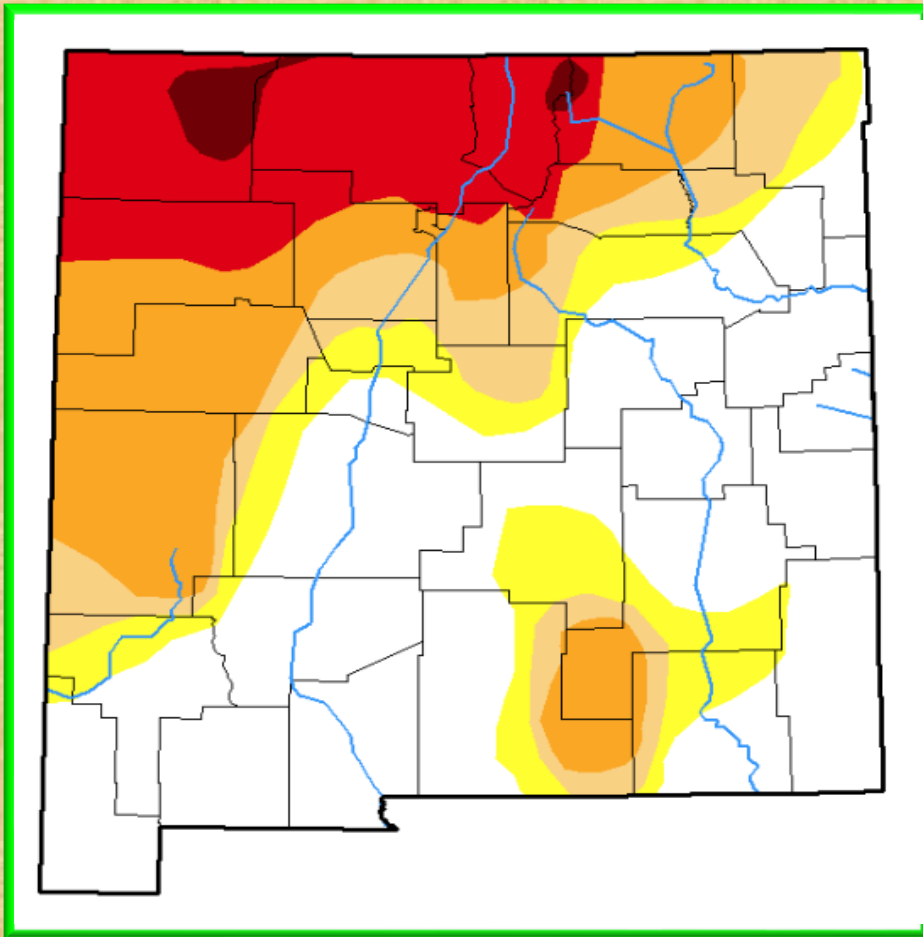


Current drought conditions for New Mexico and 3 month change

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






January 22, 2019

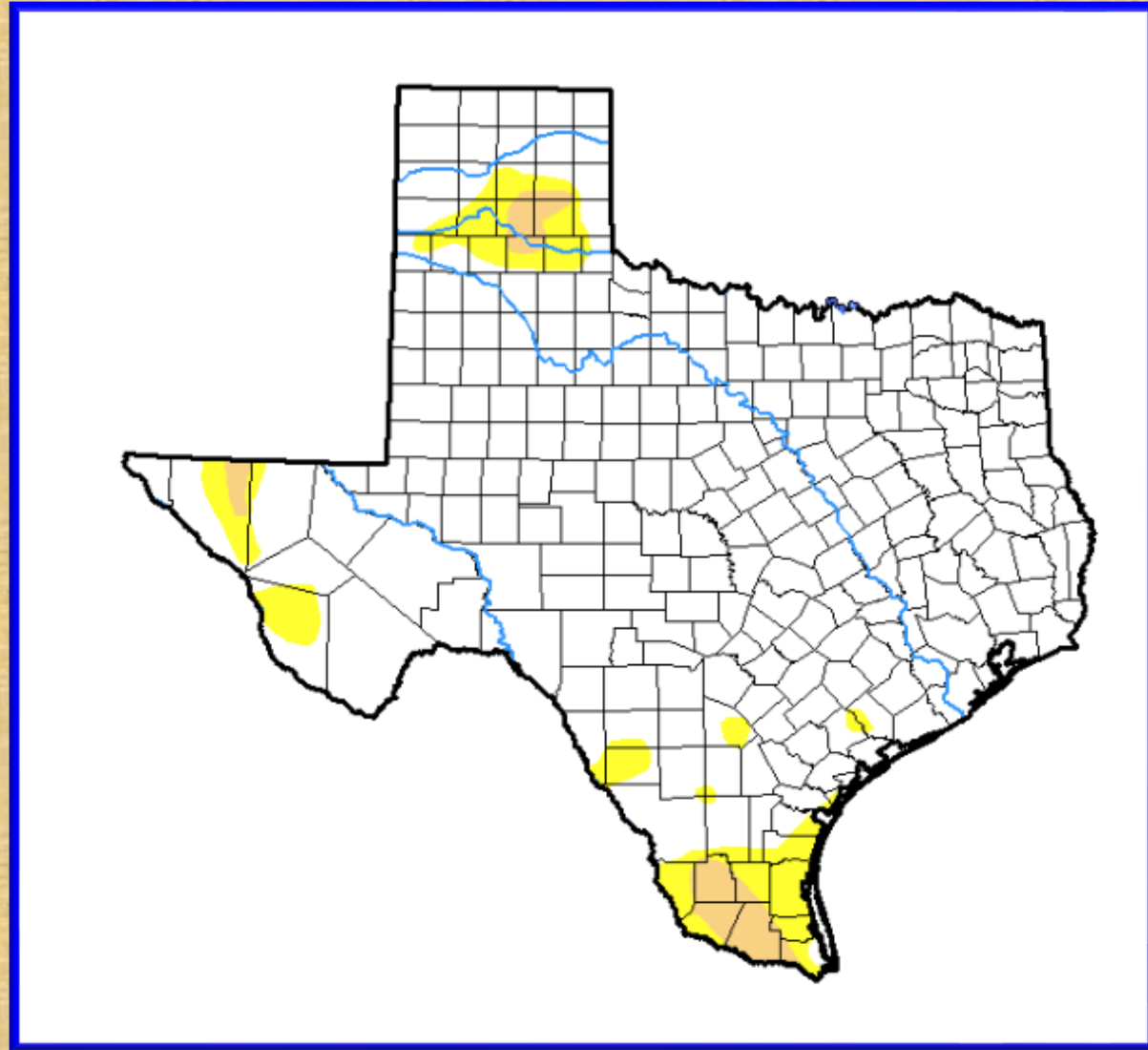
October 30, 2018



Current drought conditions for Texas as of January 22, 2019

Intensity:

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



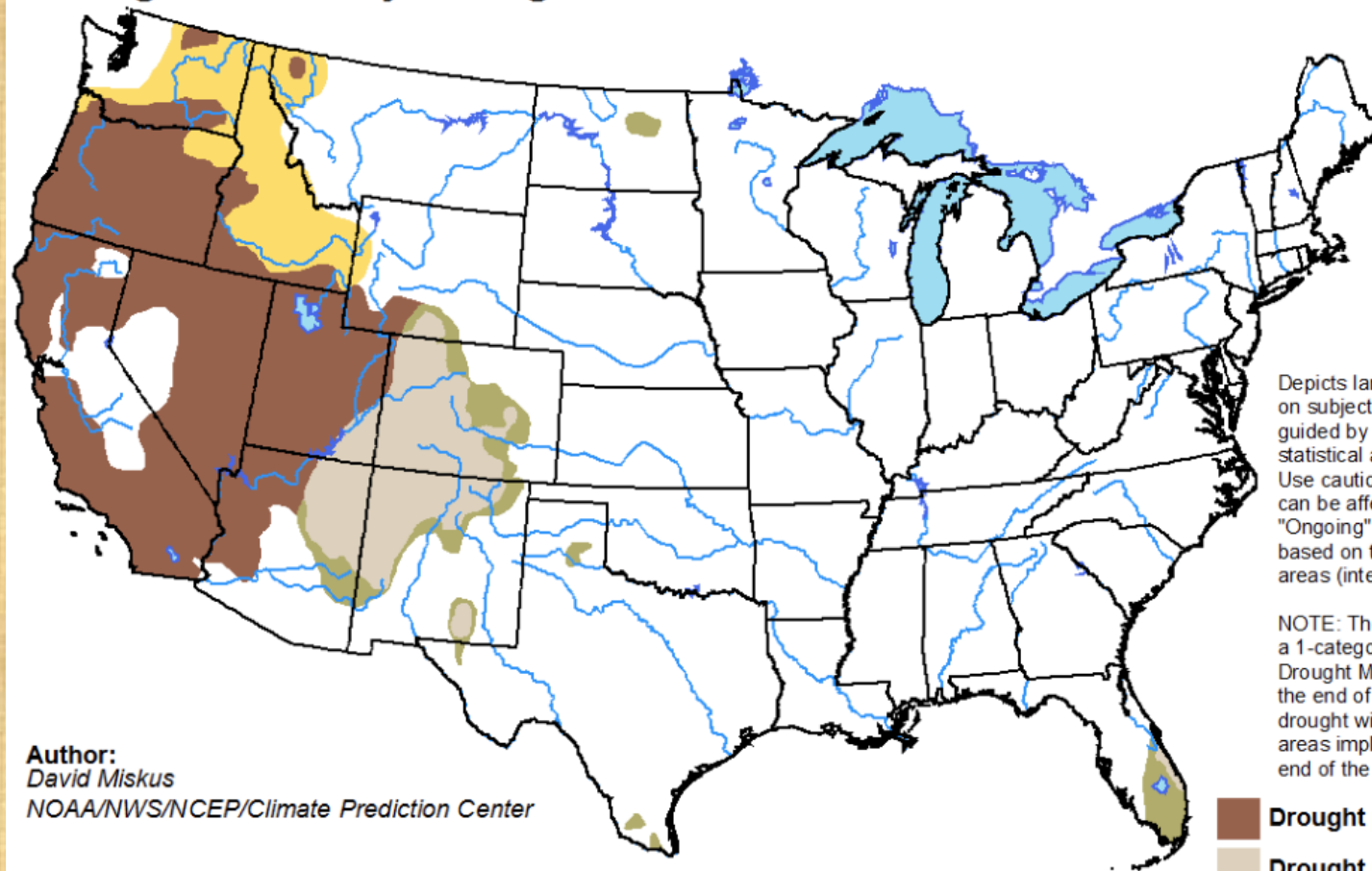
Build your own custom slider maps here at:

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

U.S. Seasonal Drought Outlook




Drought Tendency During the Valid Period

Valid for January 17 - April 30, 2019
Released January 17



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).

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

Author:
David Miskus
NOAA/NWS/NCEP/Climate Prediction Center

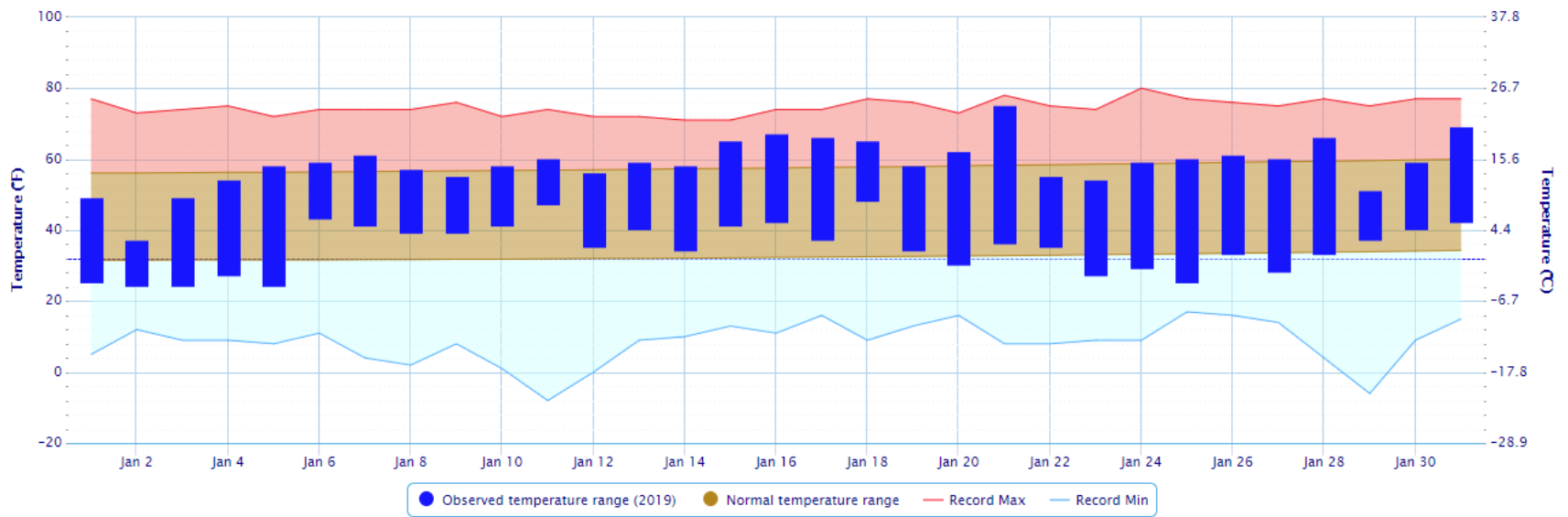


<http://go.usa.gov/3eZ73>

Temperature and precipitation data for January 2018 in El Paso

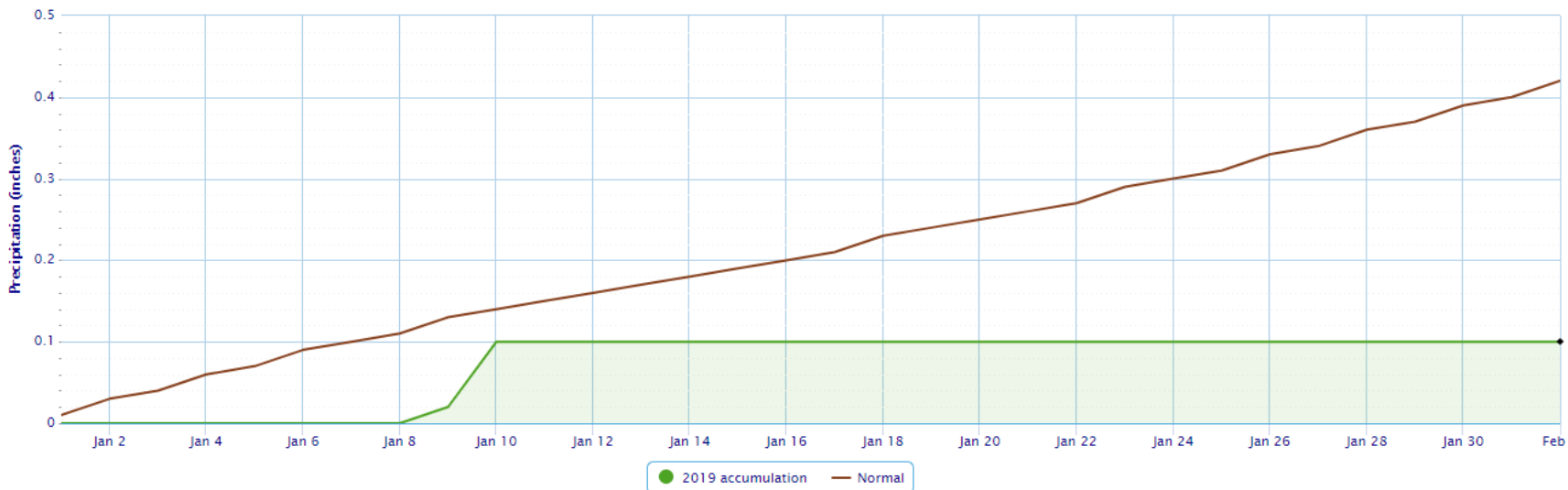
Daily Temperature Data – El Paso Area, TX (ThreadEx)

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

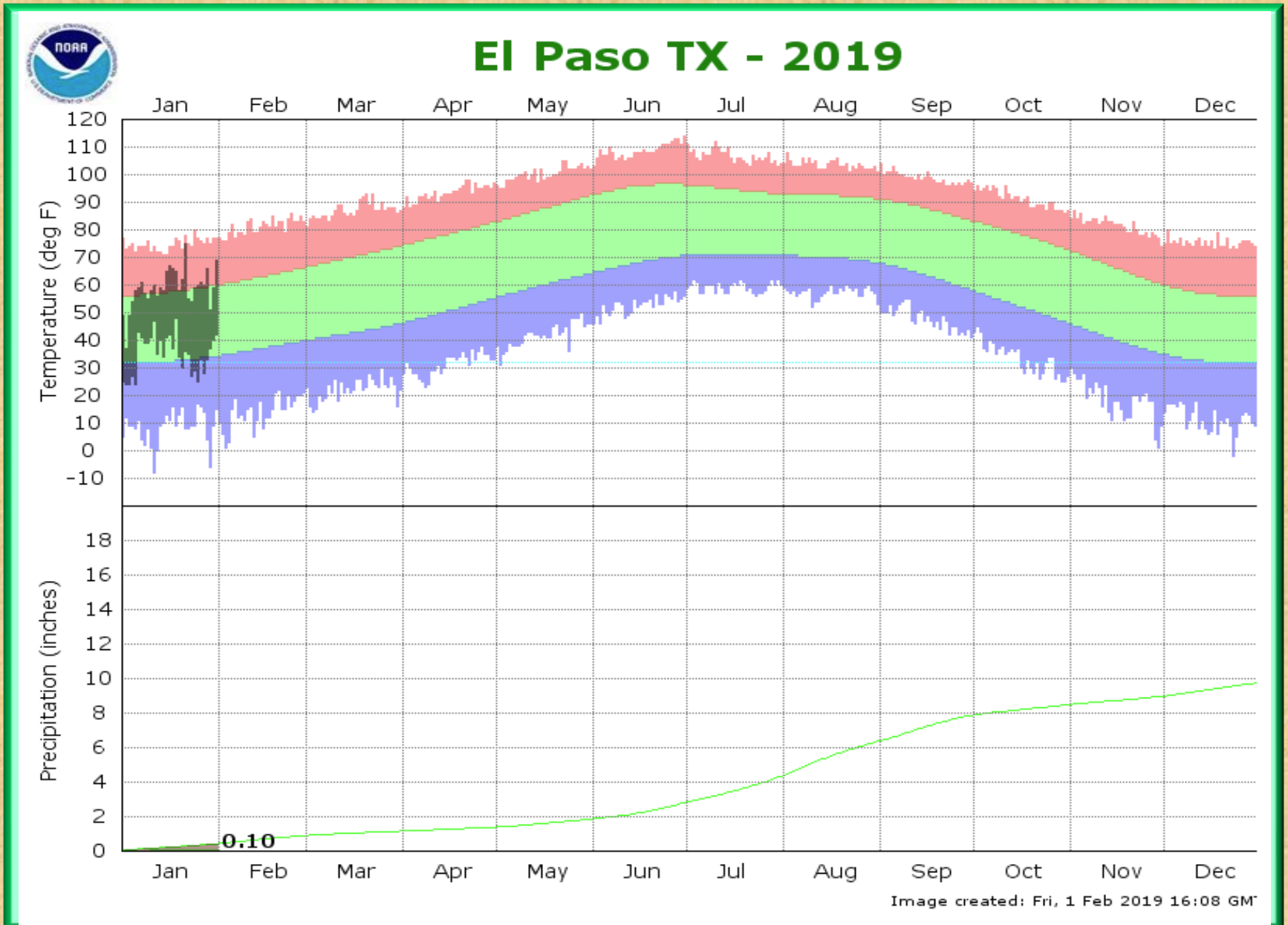


Accumulated Precipitation – El Paso Area, TX (ThreadEx)

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



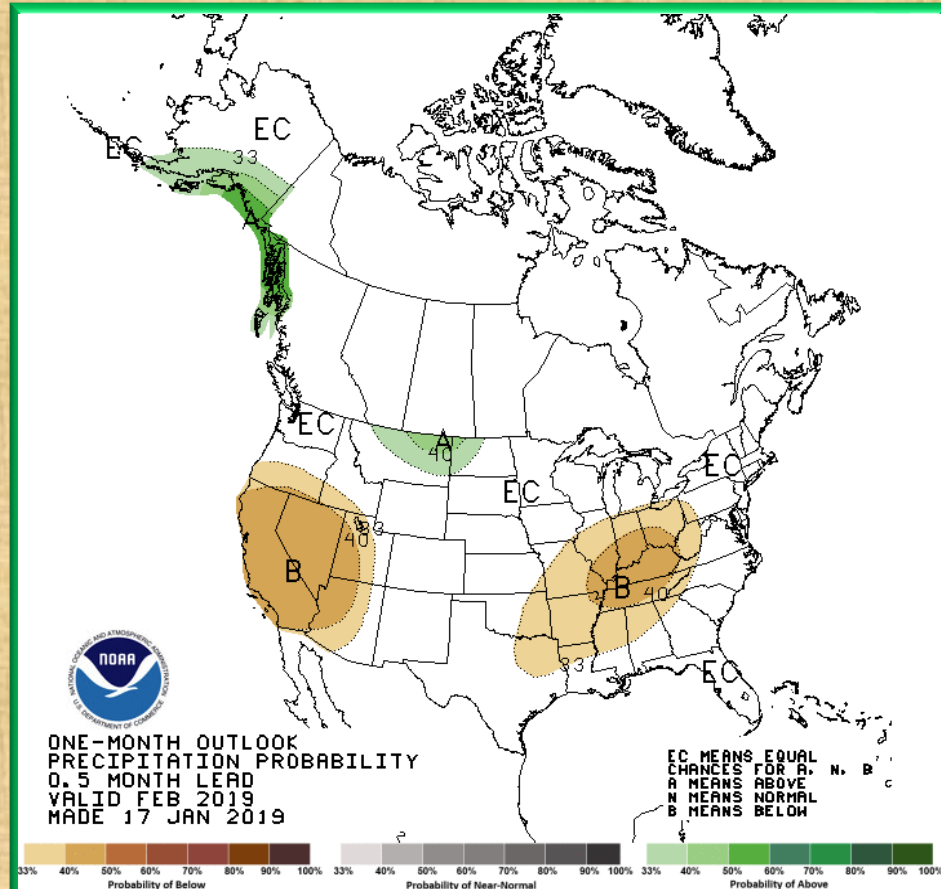
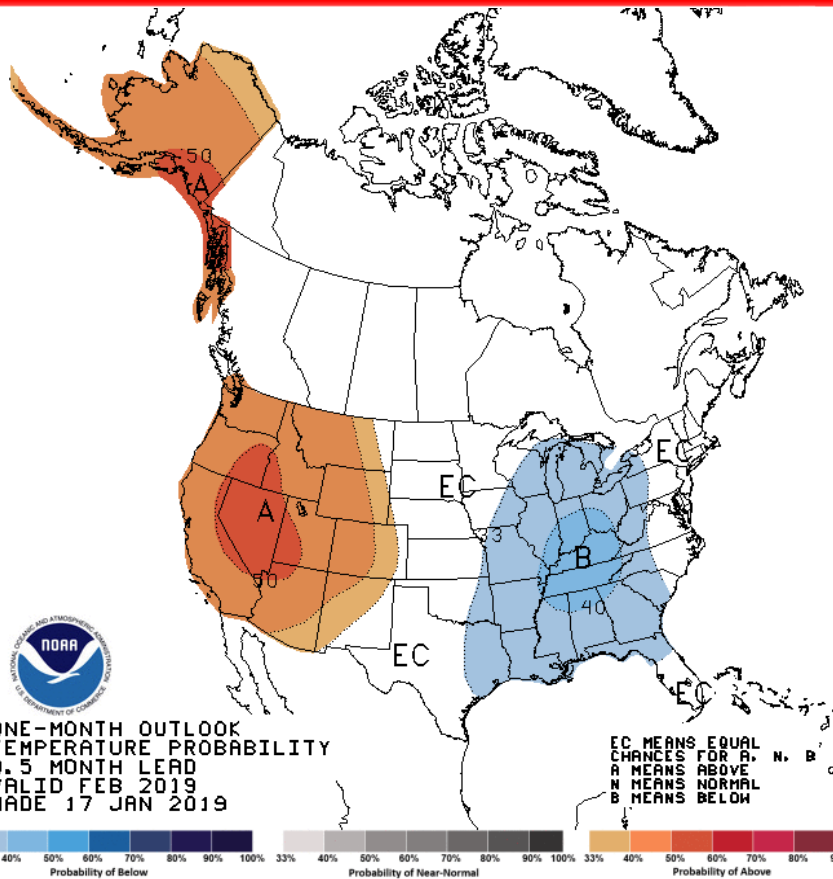
2019 year-to-date temperature and precipitation data El Paso



Temperature and precipitation outlook for February 2019

Temperature

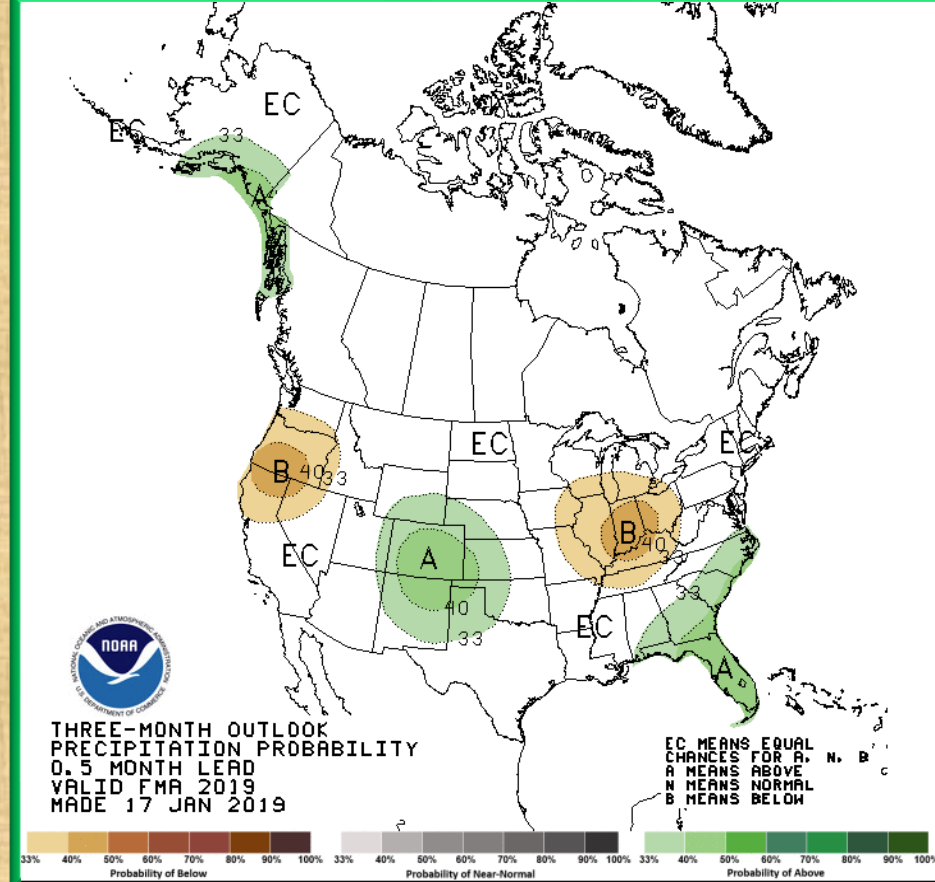
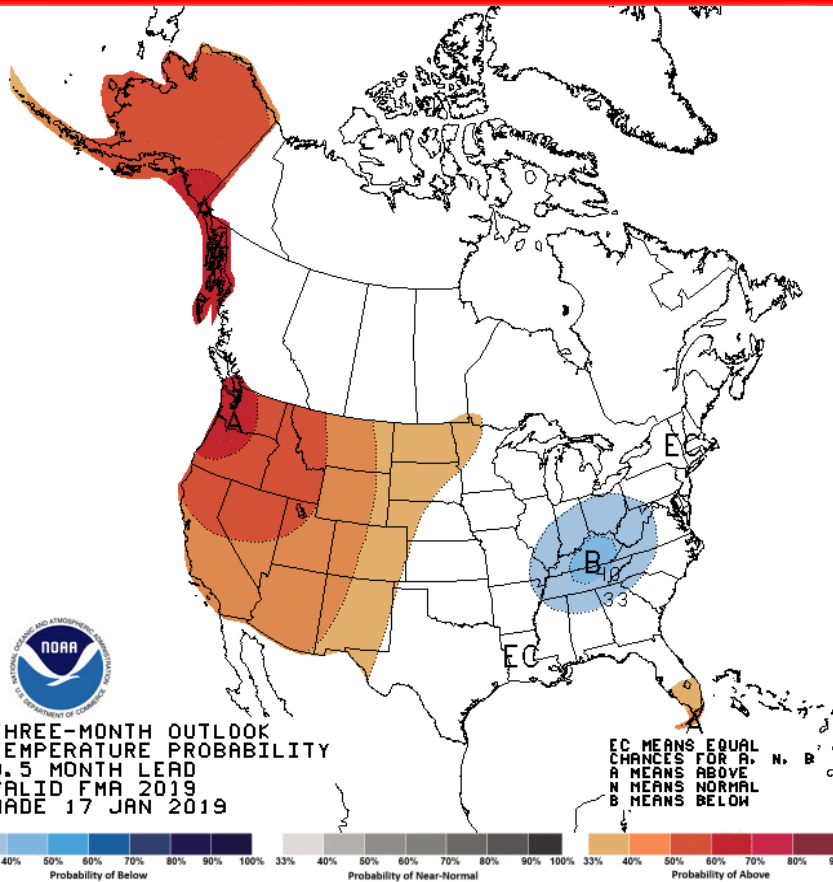
Precipitation



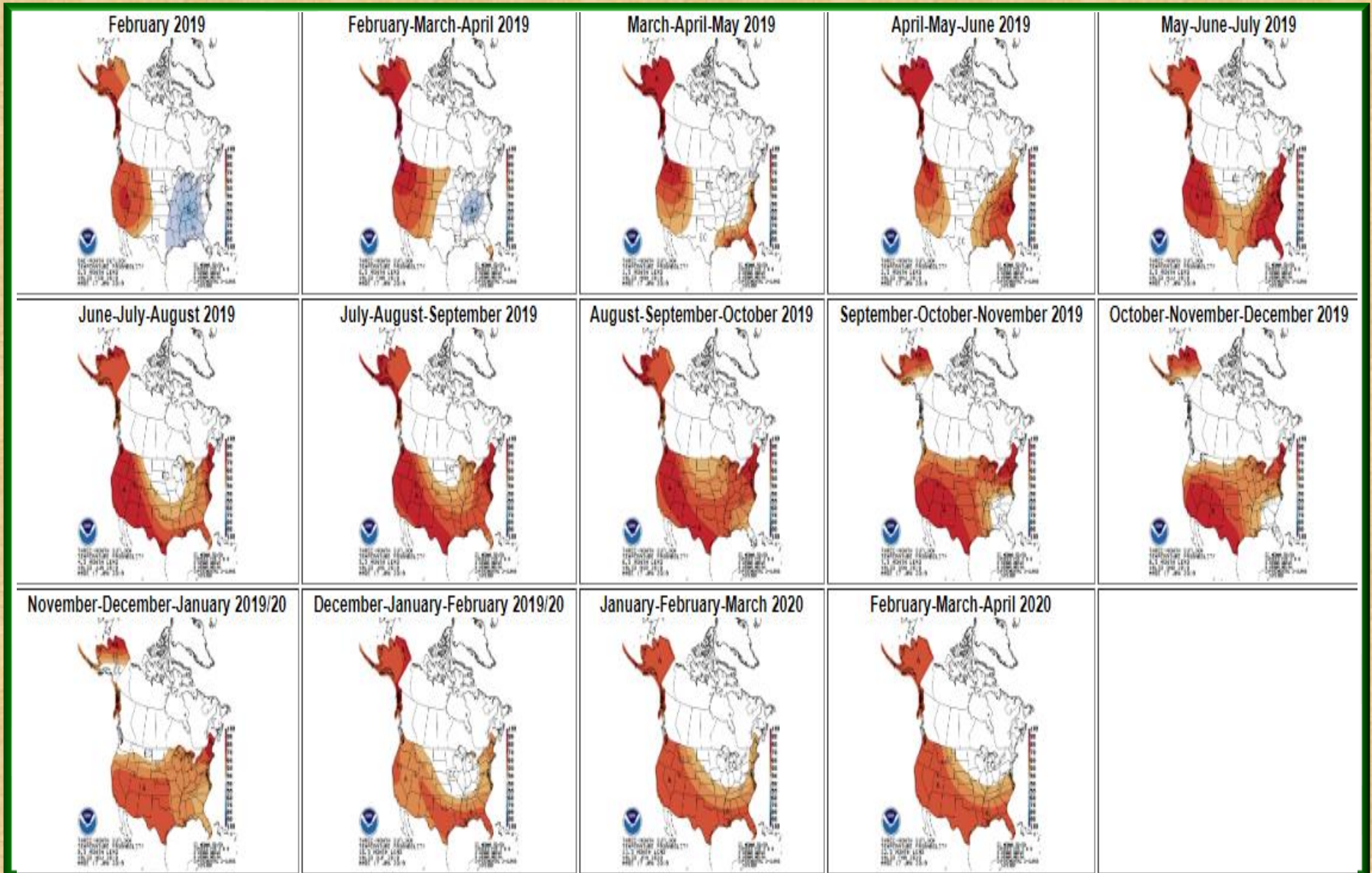
Temperature and precipitation outlook For February-April 2019

Temperature

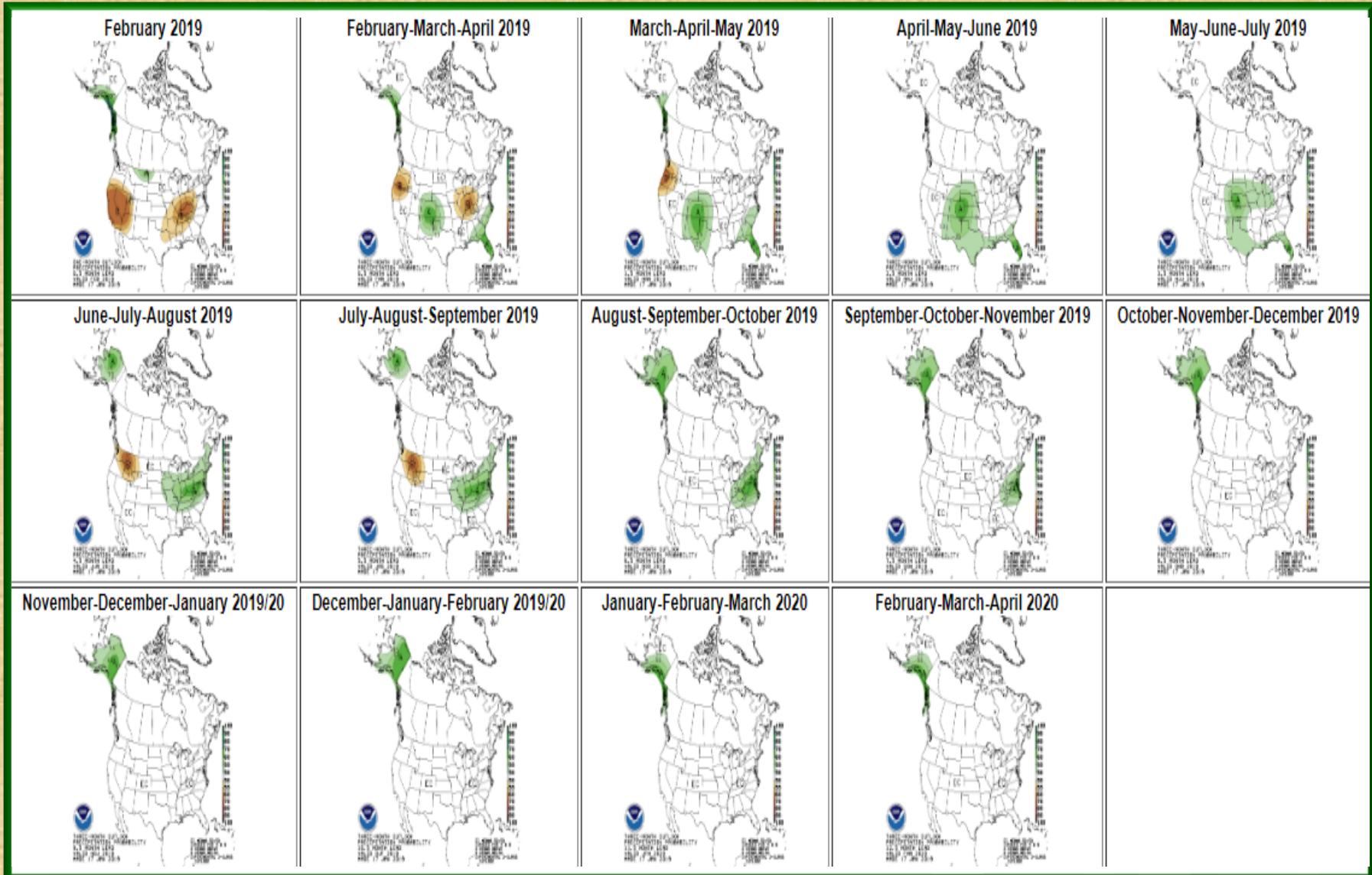
Precipitation



Temperature Outlook Through April 2020

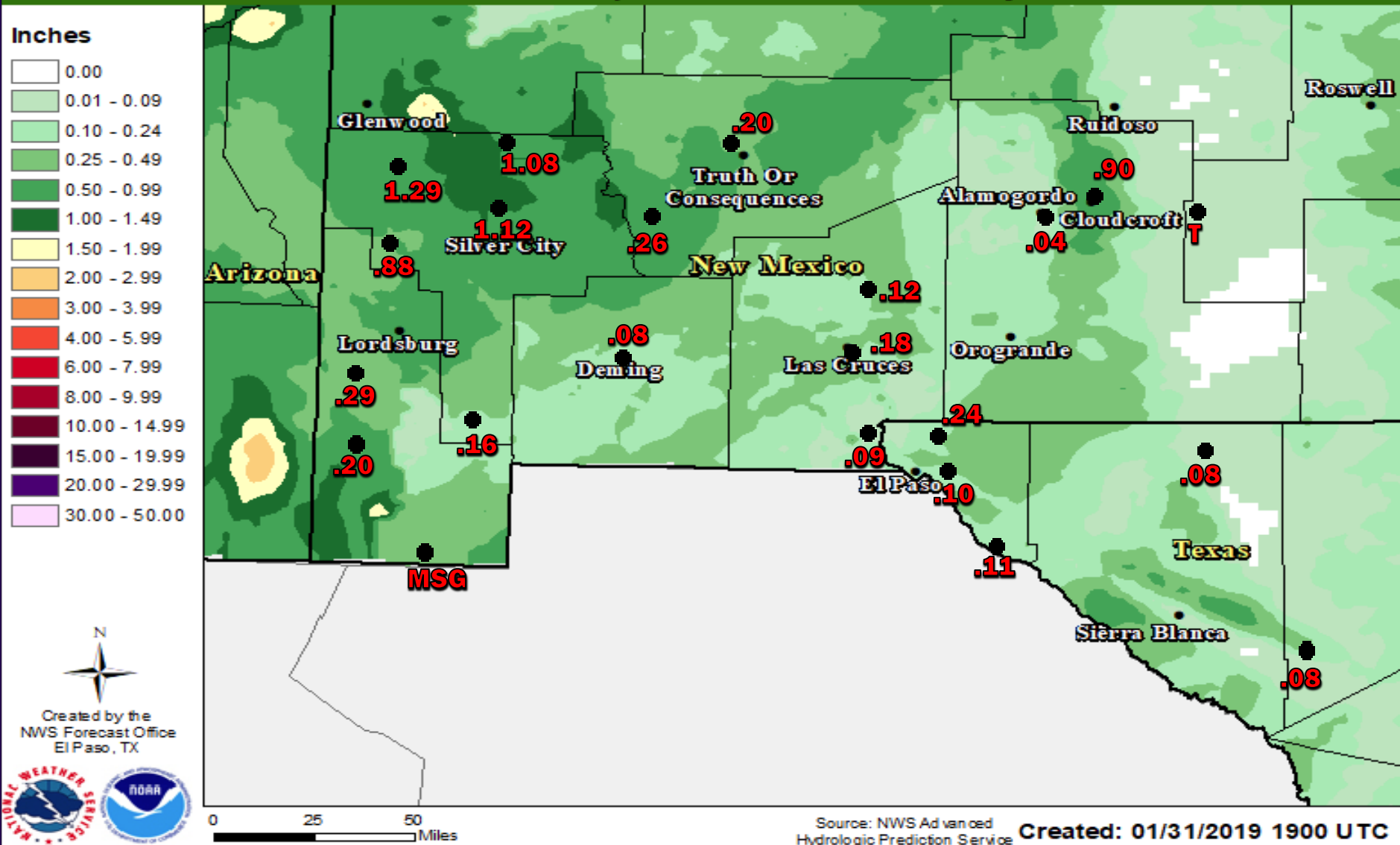


Precipitation Outlook Through April 2020

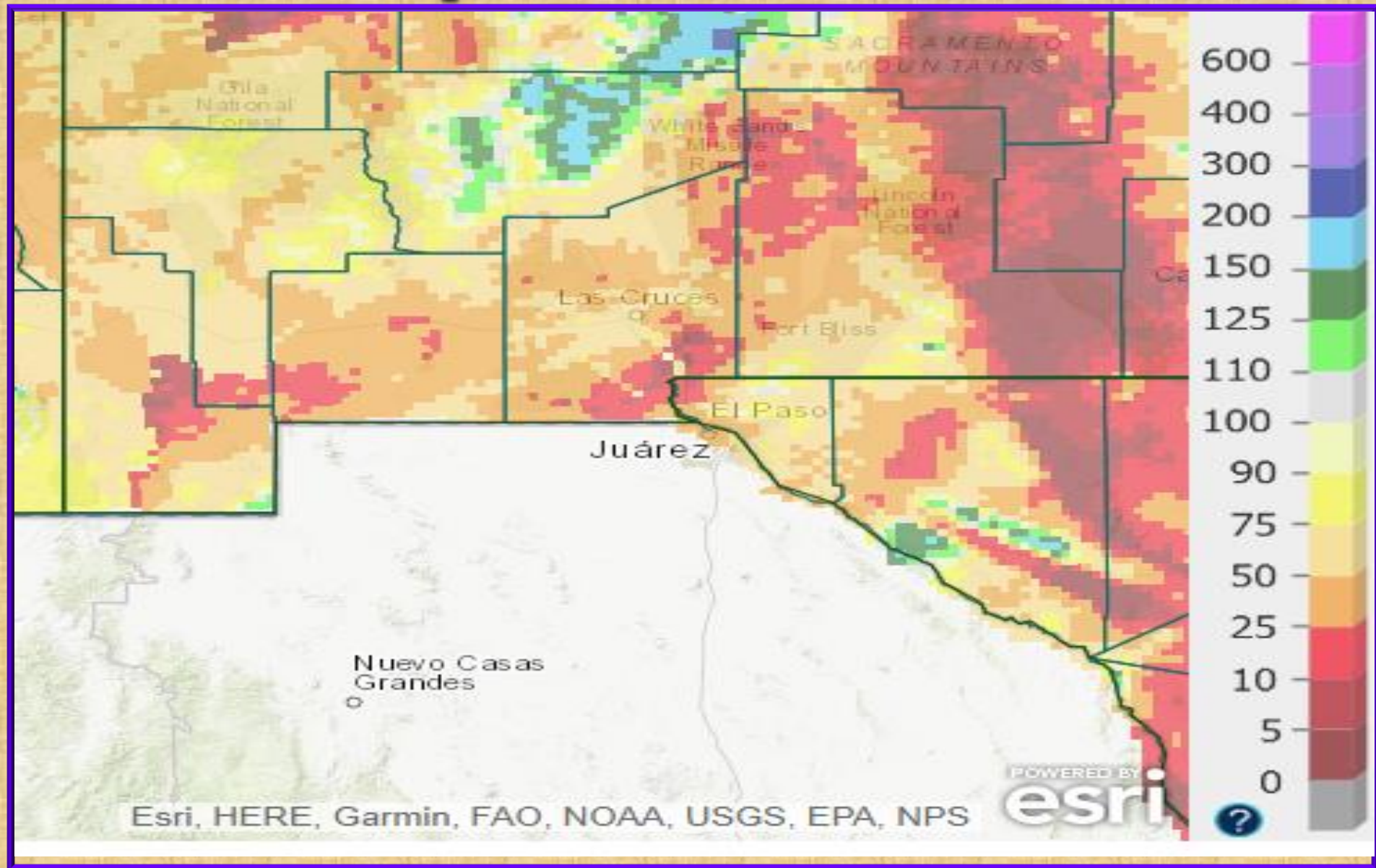


January 2019 radar rainfall estimate with surface rainfall reports

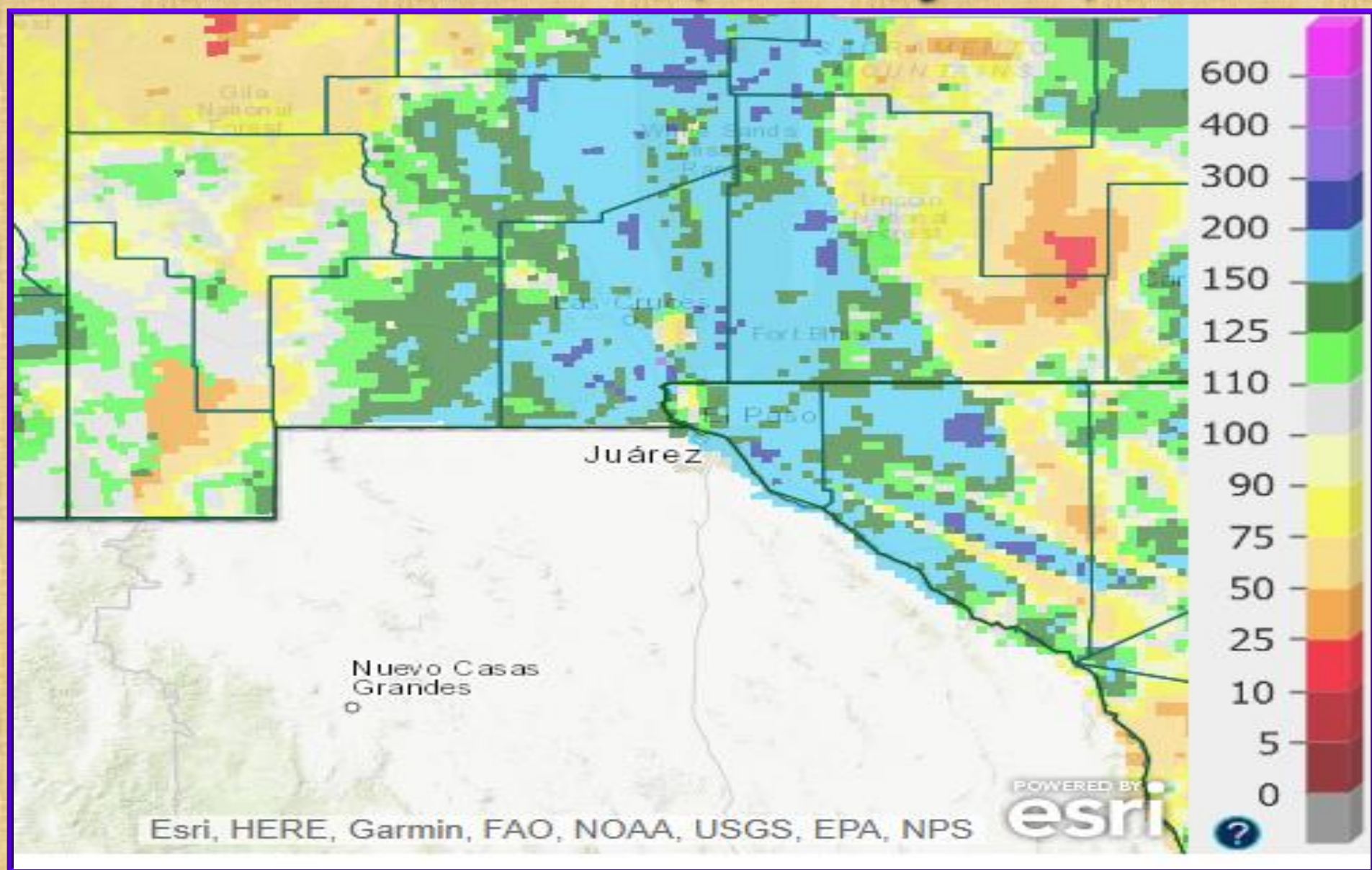
Observed Precipitation To Date - January



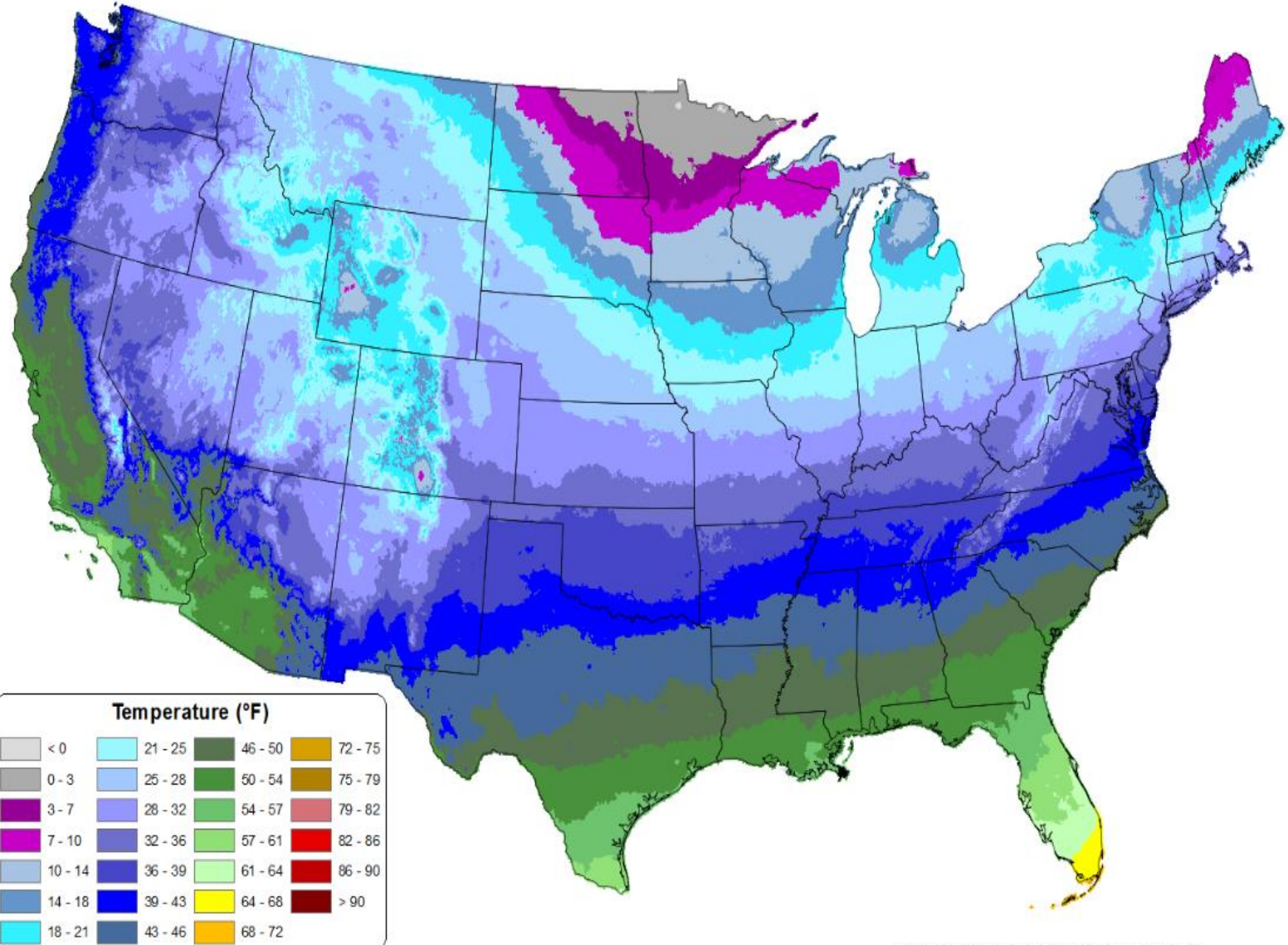
January 2019 radar rainfall estimate percent of normal



Radar rainfall estimate percent of normal for the Water Year (Oct 1 to Jan 31)

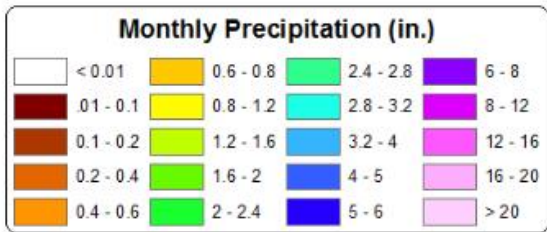
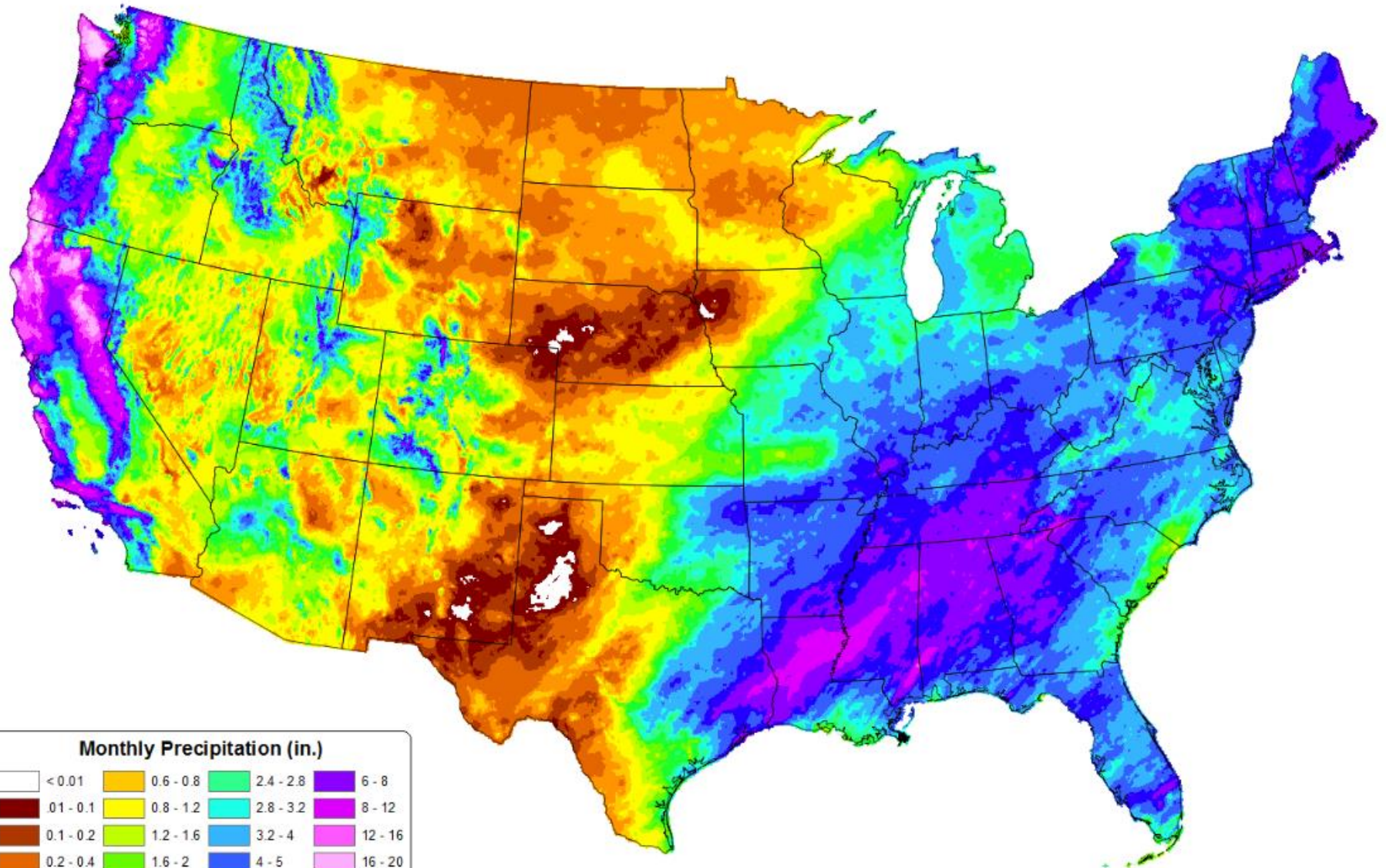


Average Daily Mean Temperature for January 2019



Total Precipitation for January 2019

Map created 01 Feb 2019



Special Features

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

Month: JANUARY

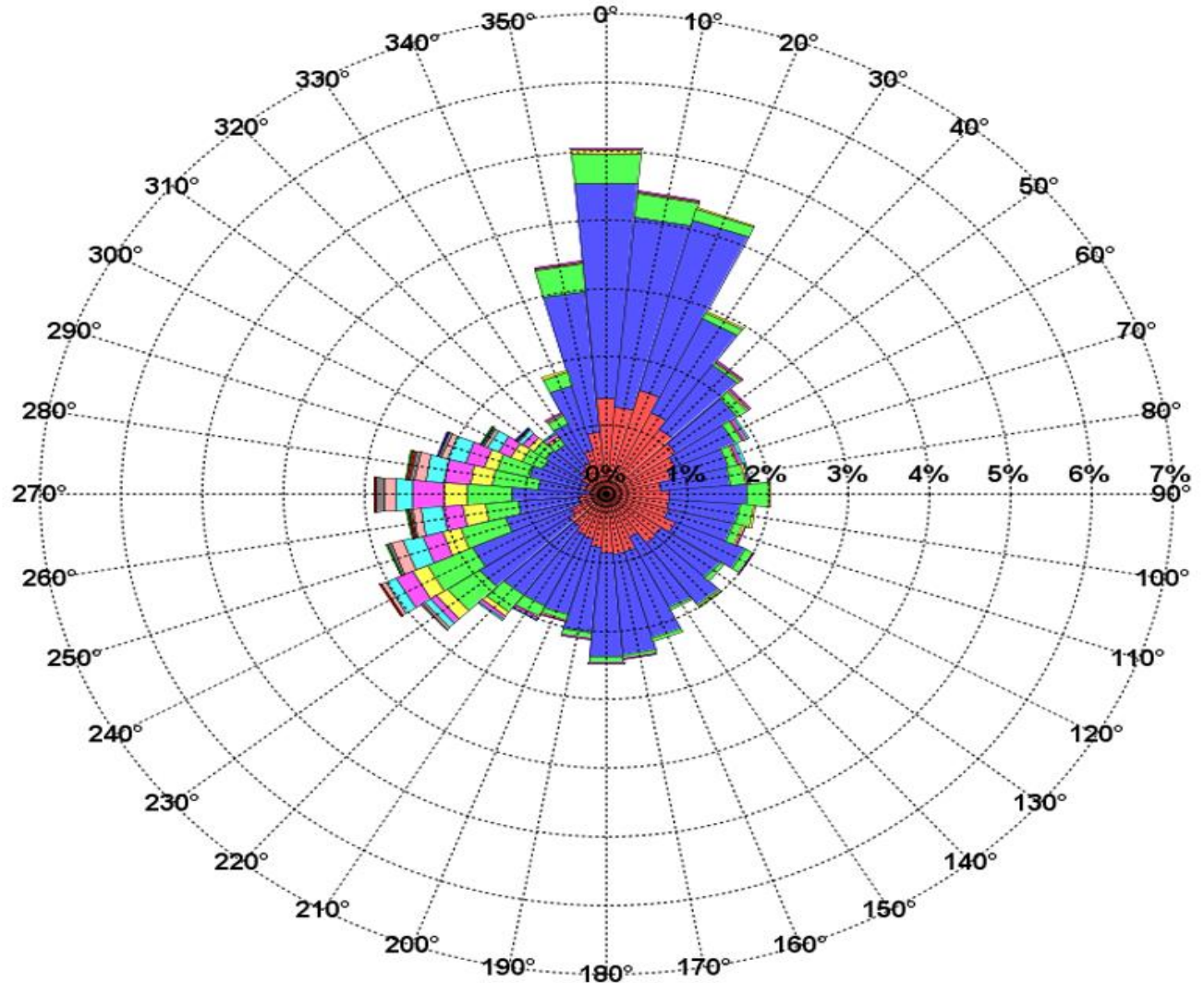
Calm: 13.27%

Variable: 1.45%

WindRose - KELP - EL PASO INTL

% Frequency of Wind Speed from a Direction

POR:19730101-20140602



Selected weather reports January 2019

Date/Time	Location (County)	Event
JAN 18 1100 AM	EL PASO 10NE-EL PASO	PEAK WIND 57 MPH
JAN 18 115 PM	NORTHRUP STRIP-DONA ANA	PEAK WIND 57 MPH
JAN 18 225 PM	TULAROAS 20NW-OTERO	PEAK WIND 55 MPH
JAN 18 115 PM	SUNSPOT-OTERO	PEAK WIND 51 MPH
JAN 18 215 PM	LAS CRUCES MUNI AIRPORT-DONA ANA	PEAK WIND 51 MPH
JAN 18 233 PM	SPACEPORT AMERICA-SIERRA	PEAK WIND 50 MPH
JAN 18 1215 PM	GRANT CO MUNI AIRPORT-GRANT	PEAK WIND 47 MPH
JAN 18 1258 PM	SANTA TERESA 5 NW-DONA ANA	PEAK WIND 47 MPH
JAN 18 159 PM	REDROCK 12E-GRANT	PEAK WIND 46 MPH
JAN 18 1255 PM	HIGH ROLLS-OTERO	PEAK WIND 45 MPH
JAN 18 500 PM	DEMING 2SE-LUNA	PEAK WIND 45 MPH
JAN 18 540 PM	HACHITA 15SW-HIDALGO	PEAK WIND 45 MPH
JAN 18 655 PM	WSMR MAIN POST-DONA ANA	PEAK WIND 44 MPH
JAN 18 149 PM	CLINT 2E-EL PASO	PEAK WIND 44 MPH

Selected weather reports January 2019

Date/Time	Location (County)	Event
JAN 21 235 PM	SAN AUGUSTIN PASS-DONA ANA	PEAK WIND 80 MPH
JAN 21 1127 AM	WSMR MAIN POST-DONA ANA	PEAK WIND 68 MPH
JAN 21 540 PM	HACHITA 15SW-HIDALGO	PEAK WIND 62 MPH
JAN 21 435 PM	EL PASO 7NEW-EL PASO	PEAK WIND 56 MPH
JAN 21 410 PM	RODEO-HIDALGO	PEAK WIND 53 MPH
JAN 21 410 PM	SUNSPOT-OTERO	PEAK WIND 52 MPH
JAN 21 1234 PM	MAYHILL 3NW-OTERO	PEAK WIND 50 MPH
JAN 21 400 PM	SANTA TERESA 5NW-DONA ANA	PEAK WIND 49 MPH
JAN 21 339 PM	EL PASO AIRPORT-EL PASO	PEAK WIND 47 MPH
JAN 21 359 PM	REDROCK 12E-GRANT	PEAK WIND 46 MPH
JAN 21 500 PM	CHAPARRAL 2E-DONA ANA	PEAK WIND 45 MPH
JAN 21 151 PM	WINSTON-SIERRA	PEAK WIND 45 MPH
JAN 21 1220 PM	HILLSBORO-SIERRA	PEAK WIND 43 MPH
JAN 21 155 PM	LAS CRUCES AIRPORT-DONA ANA	PEAK WIND 43 MPH
JAN 21 500 PM	DEMING 2SE-LUNA	PEAK WIND 41 MPH

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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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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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**

