

January 2020 Weather Digest

January 2020 Weather Summary

January turned out to be a relatively dry and mild month, with most of southern New Mexico and west Texas seeing below normal rainfall totals. The one exception is across the Tularosa Basin, where a small surplus of rainfall fell. Despite the dry month, drought conditions are still at a minimum, as our longer term rainfall (since October) still shows a small surplus for most of the area.

Temperatures were slightly above normal, as once again low temperatures were the main reason for this warmth, with many sites showing minimum temperatures 1 to 3 degrees above normal.

January saw three storms of note-the first being on the 2nd of the month. A moderate Pacific storm system swept through the area, bringing light rain showers to the lowlands and light snow to the mountains. However it did bring strong winds to the area, with many locations reporting wind gusts of 40 to 50 mph. The second storm pushed through on the 9th and 10th. This system brought light showers to the lowlands but the mountains, especially the Sacramento Mountains, received heavy snow, with reports of 6 to 10 inches common. The third system swept through on the 21st and 22nd. This

January 2020 Weather Summary, cont'd

storm brought light to moderate rain showers over the lowlands. The system was also warm enough to bring mostly rain to the mountains, with the rain turning to snow toward the end of the episode.

Looking ahead to this leap year February, daylight continue to slowly accelerate. Daylight on the 1st is 10 hrs and 40 mins, increasing to 11 hrs 30 mins of daylight on the 29th. We will see a full moon on the 8th, while a new moon will occur on the 23rd. At El Paso, the average high temperature on the 1st is 60 degrees, warming to 66 degrees on the last day of the month.

Jan 2 Snow in Cloudcroft



Burro St. in Cloudcroft, NM
5PM Tuesday

Jan 21 Snow in Cloudcroft



Jan 22 Fog Elephant Butte



Jan 22 Fog/Low clouds El Paso



Jan 22 Low clouds El Paso



Jan 27 Shower Upper Valley



Jan 27 Rainbow



Jan 27 Las Cruces Rainbow



Jan 27 Snow in Timberon



ENSO conditions are neutral. Alert system is not active

ENSO Alert System

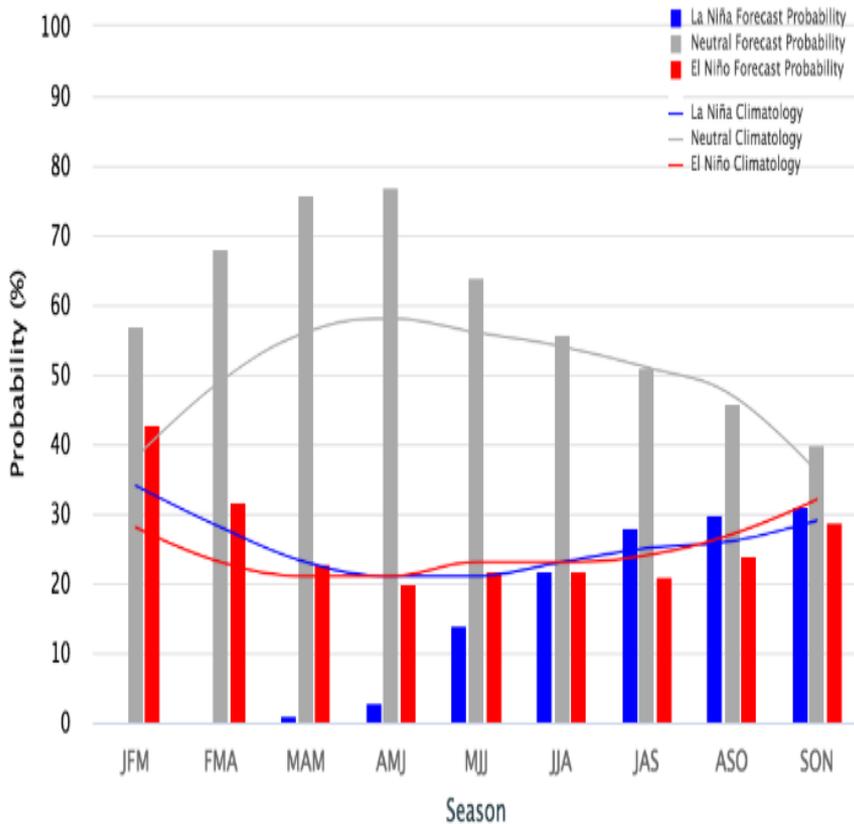
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

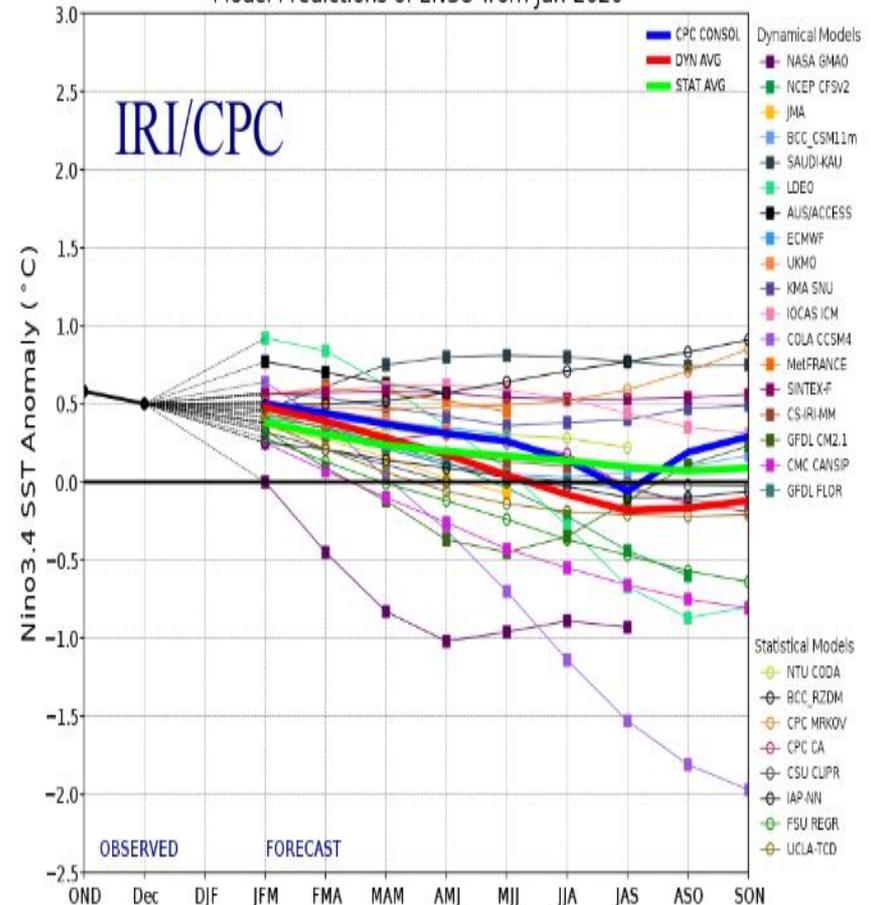
ENSO is now in a neutral phase and is expected to remain that way through the winter

Mid-January 2020 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 2020

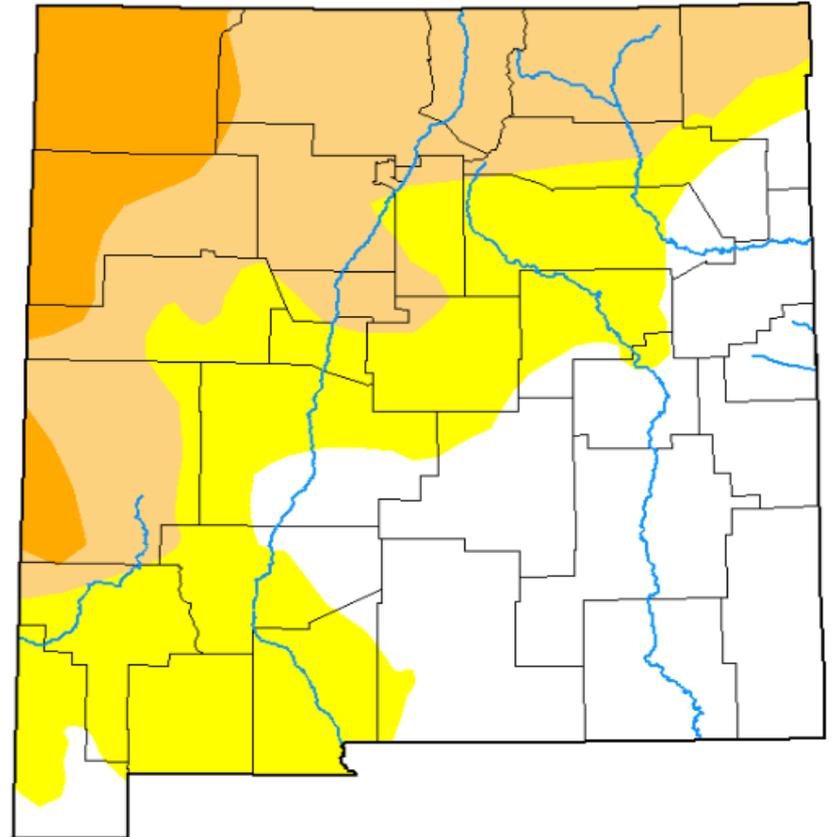
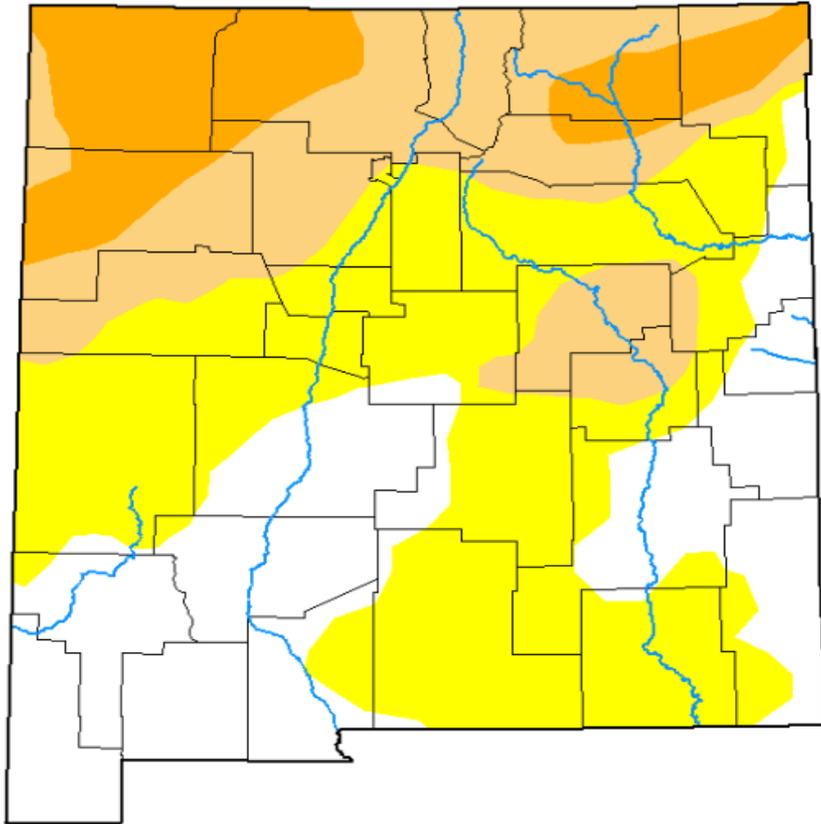


Current drought conditions for New Mexico and 3 month change

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

January 28, 2020

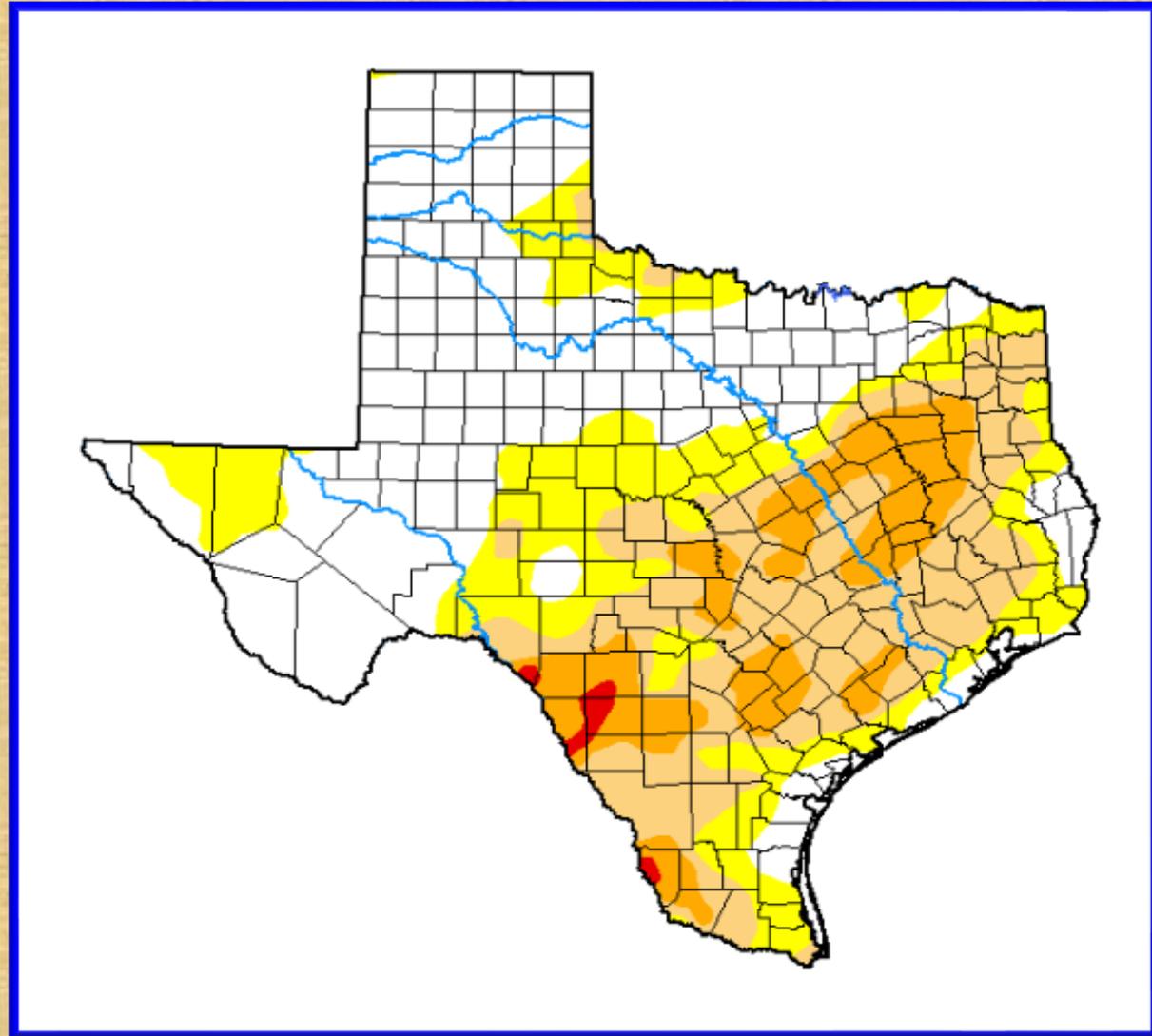
October 29, 2019



Current drought conditions for Texas as of January 28, 2020

Intensity:

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

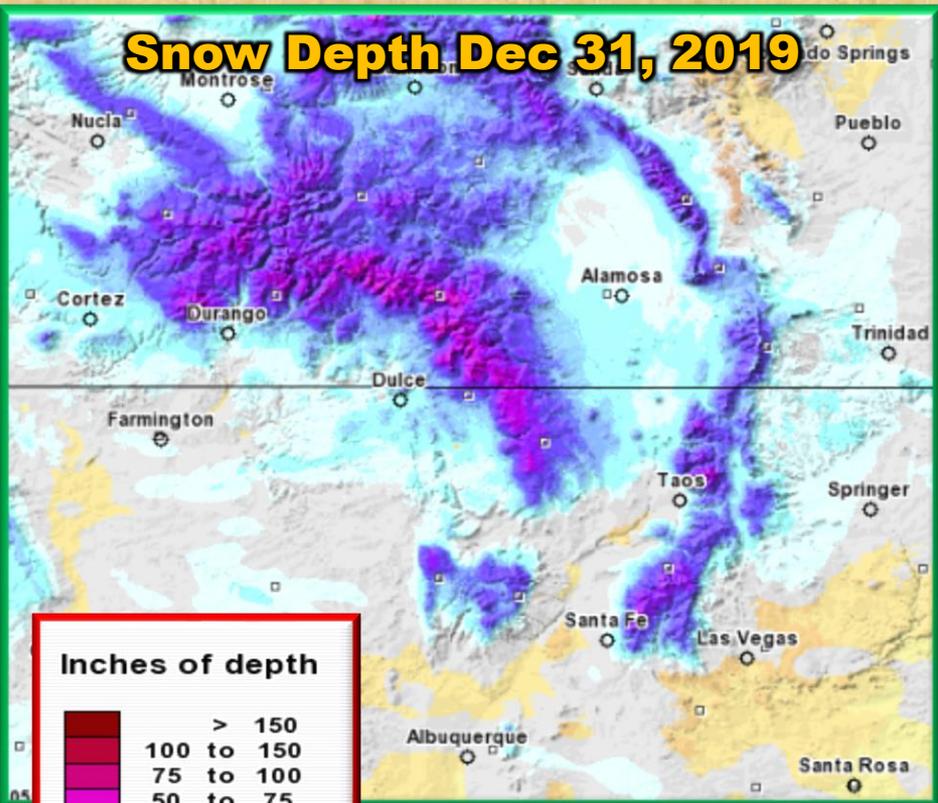


Build your own custom slider maps here at:

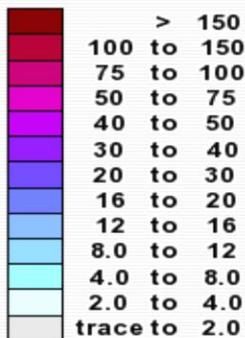
<http://droughtmonitor.unl.edu/Maps/ComparisonSlider.aspx>

Snow Data Upper Rio Grand Basin as of January 31, 2020

Snow Depth Dec 31, 2019

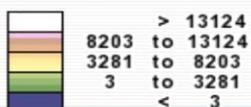


Inches of depth

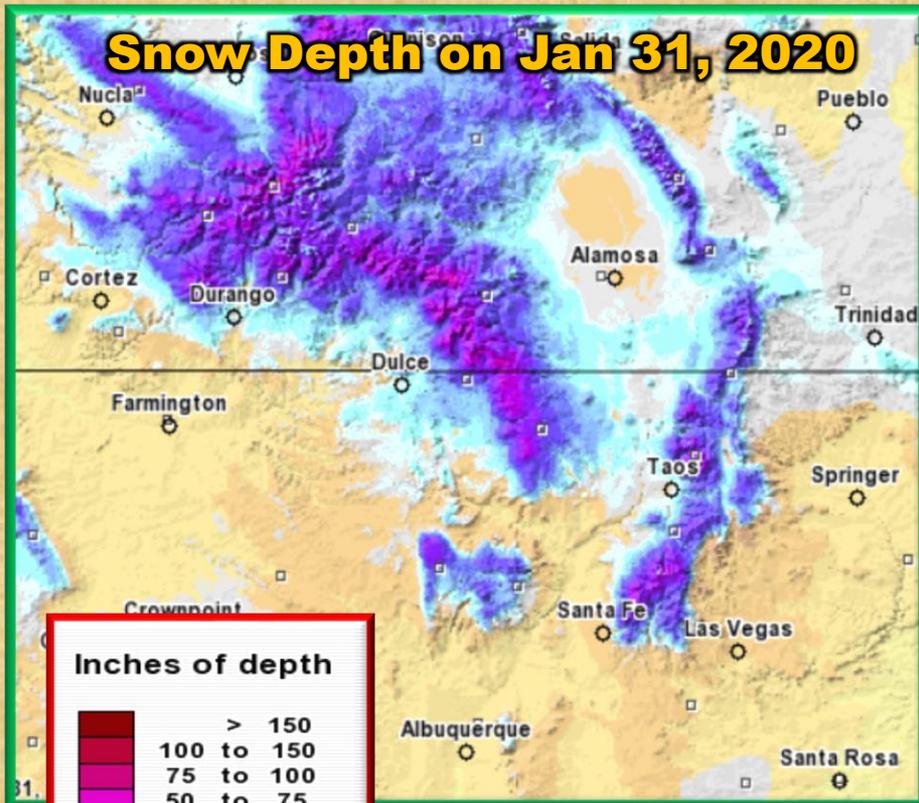


Not Estimated

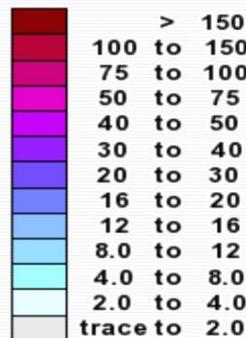
Elevation in feet



Snow Depth on Jan 31, 2020

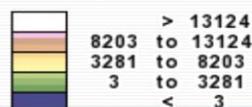


Inches of depth

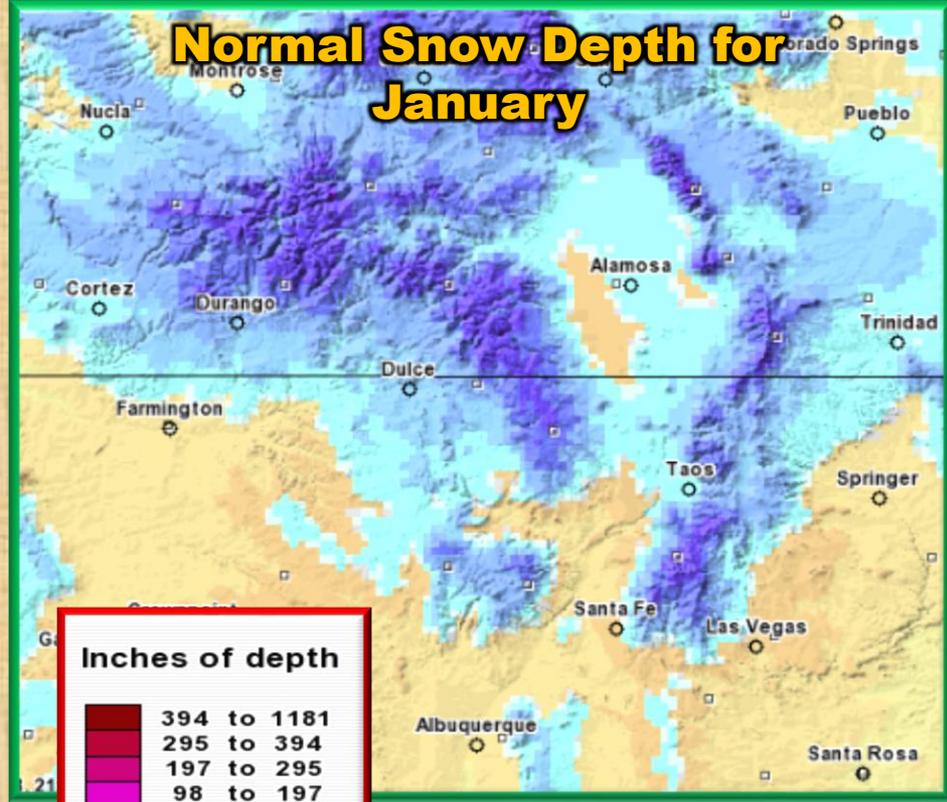
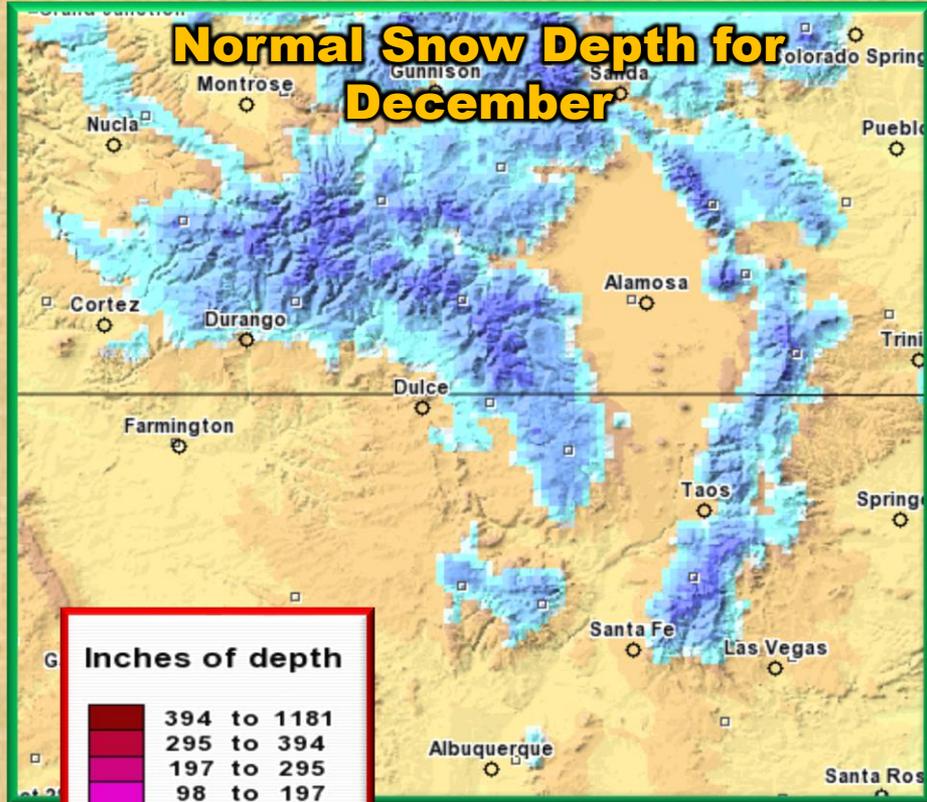


Not Estimated

Elevation in feet



Snow Data Upper Rio Grand Basin as of January 31, 2020



Inches of depth

Dark Red	394 to 1181
Red	295 to 394
Orange	197 to 295
Yellow	98 to 197
Light Green	59 to 98
Green	39 to 59
Light Blue	20 to 39
Blue	9.8 to 20
Light Cyan	3.9 to 9.8
Cyan	2.0 to 3.9
Light Blue-Green	0.39 to 2.0
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
Light Green	3 to 3281
Dark Green	< 3

Inches of depth

Dark Red	394 to 1181
Red	295 to 394
Orange	197 to 295
Yellow	98 to 197
Light Green	59 to 98
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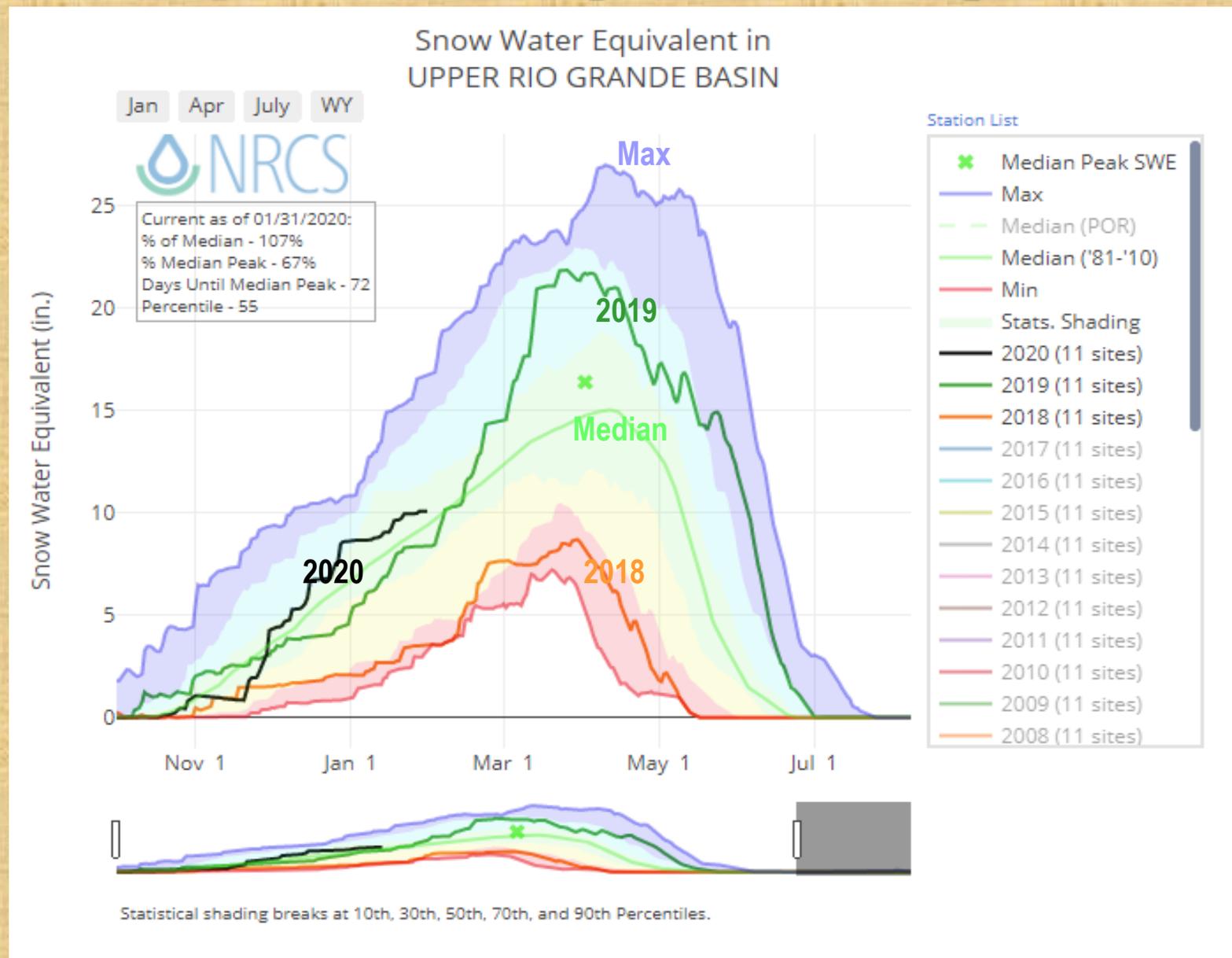
Not Estimated

Elevation in feet

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

Snow Water Equivalent as of January 31, 2020

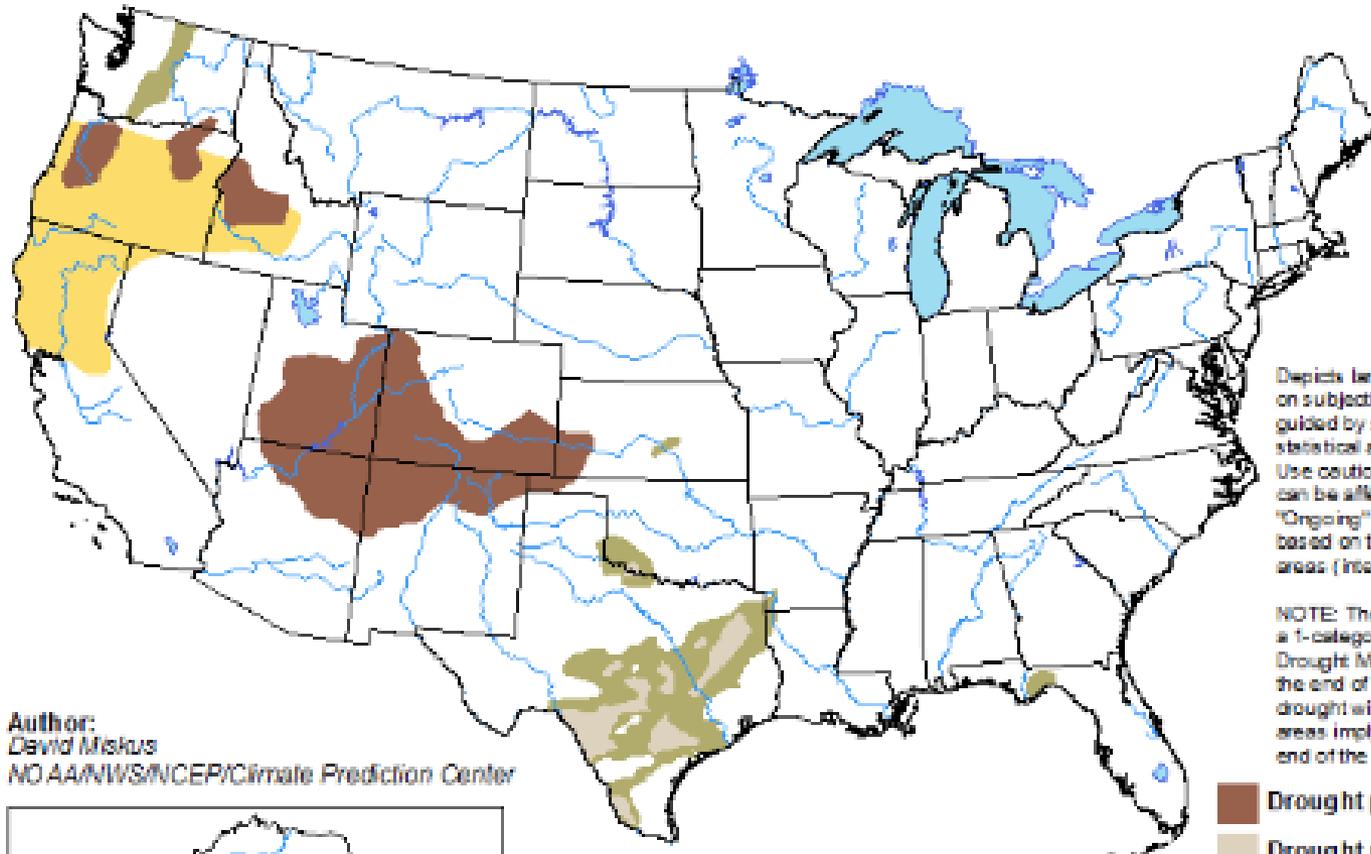
Compare to last few years and average values



U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

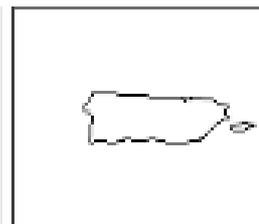
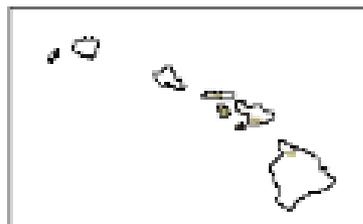
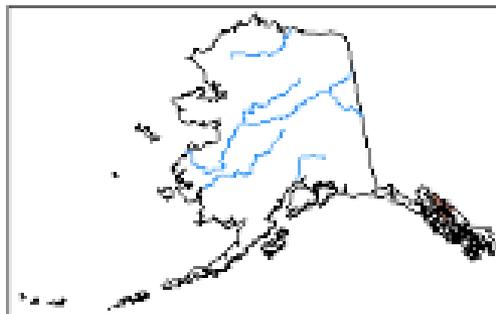
Valid for January 16 - April 30, 2020
Released January 16



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



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

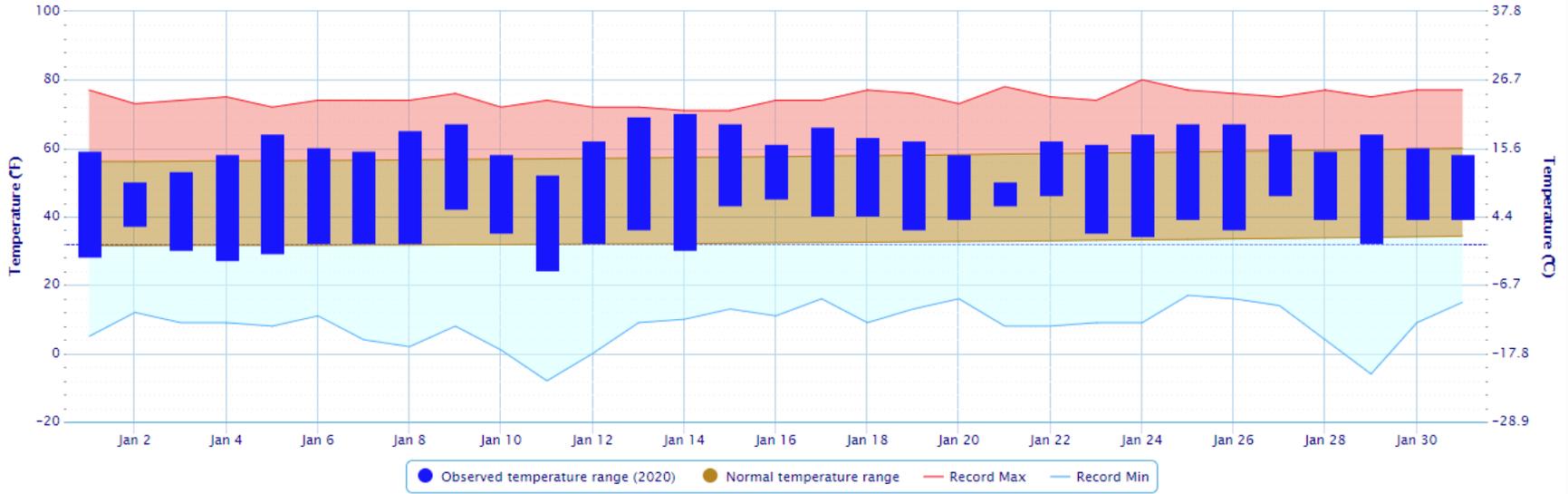


<http://go.usa.gov/3eZ73>

Temperature and precipitation data for January 2020 in El Paso

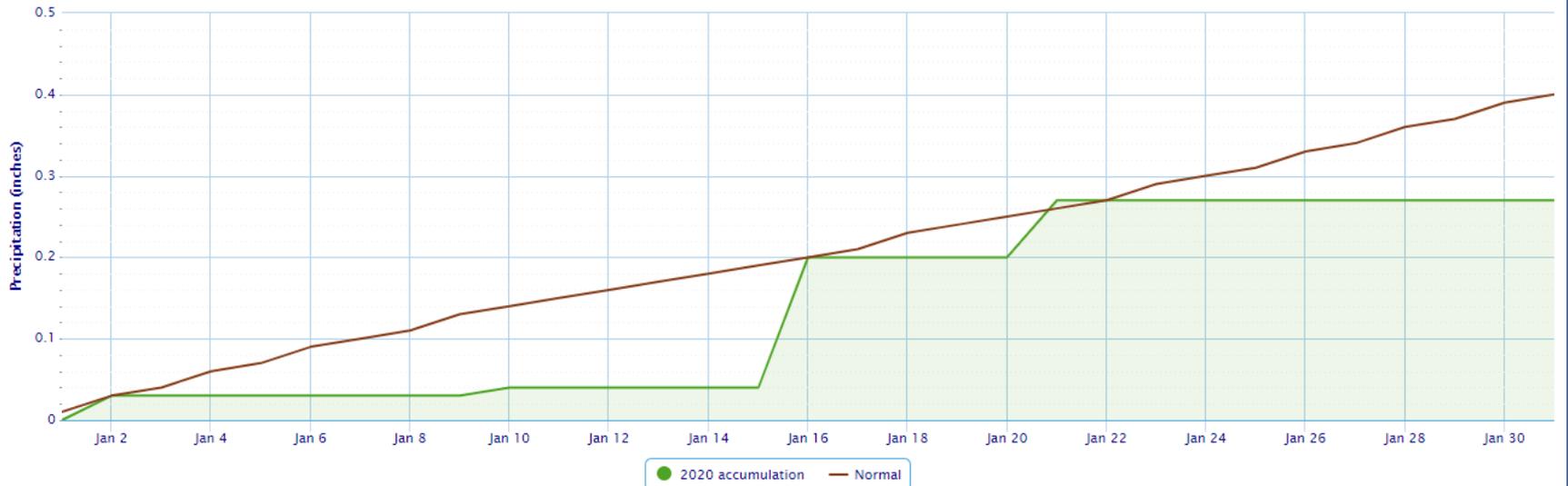
Daily Temperature Data – El Paso Area, TX (ThreadEx)

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



Accumulated Precipitation – El Paso Area, TX (ThreadEx)

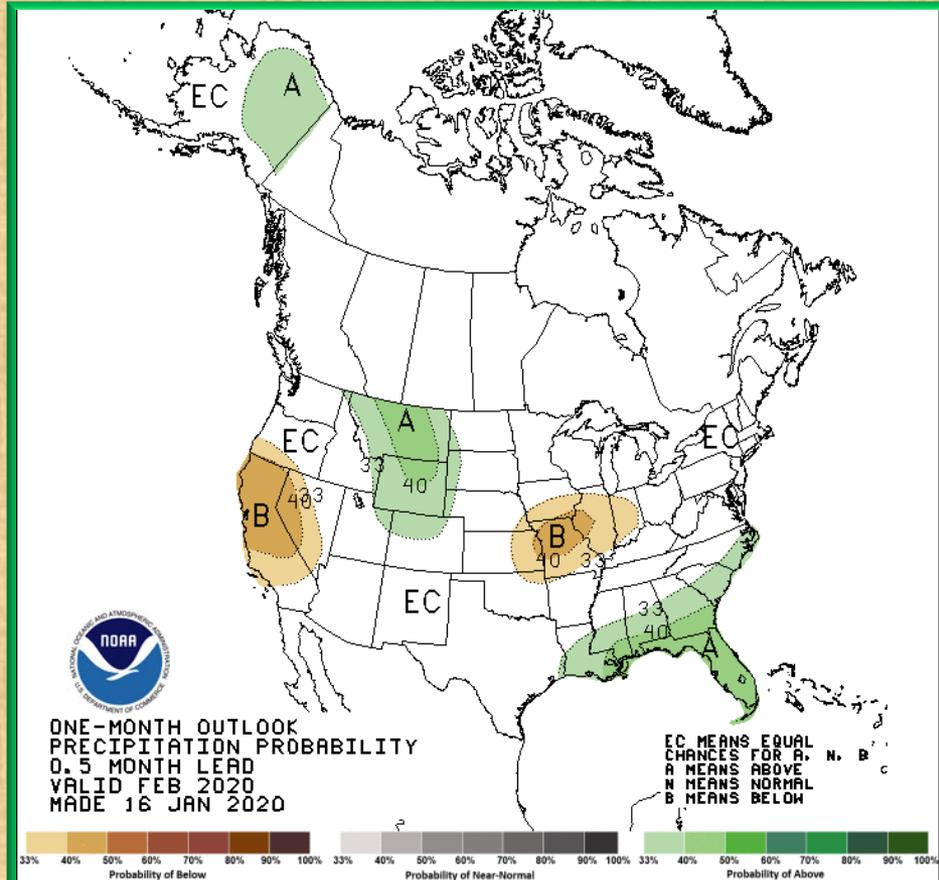
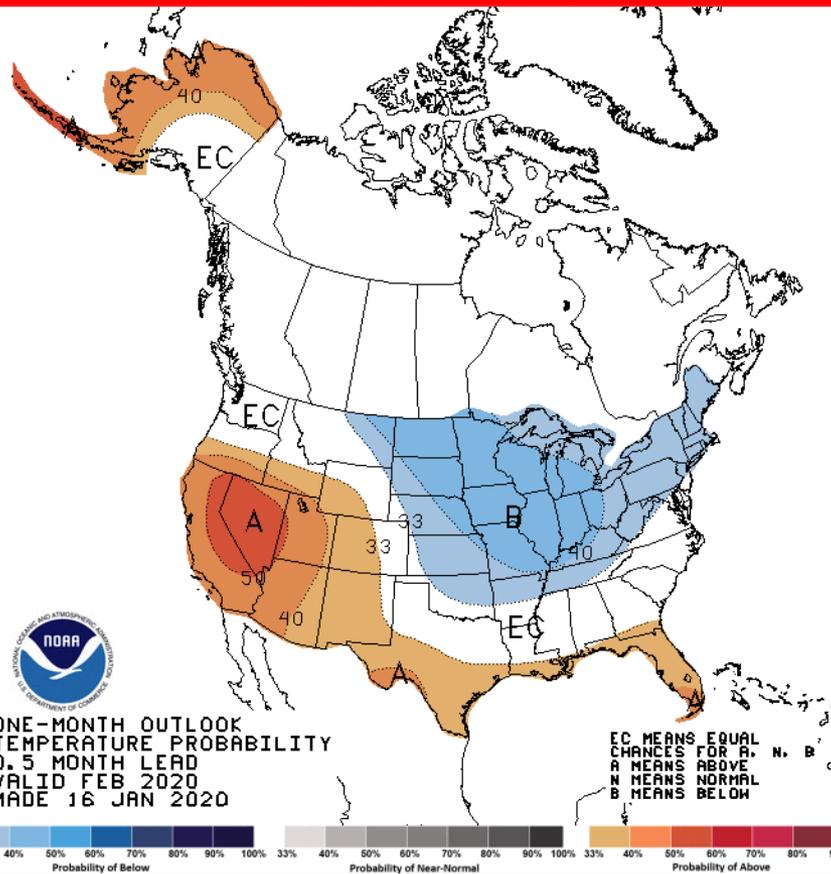
Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



Temperature and precipitation outlook for February 2020

Temperature

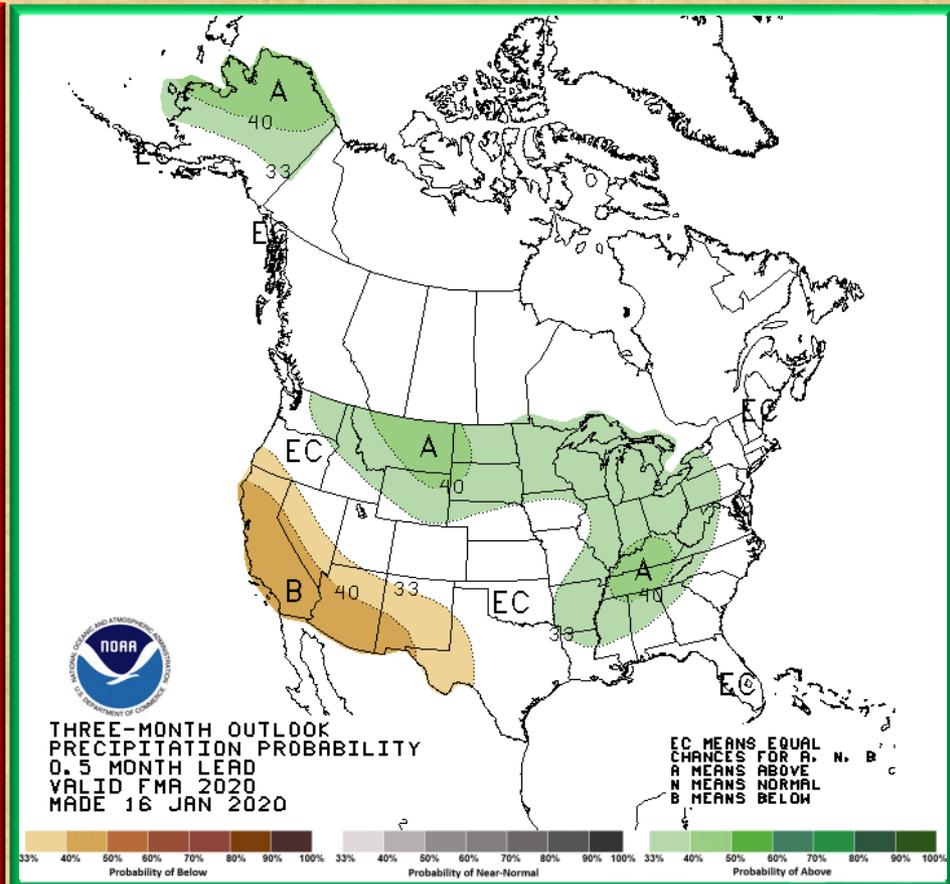
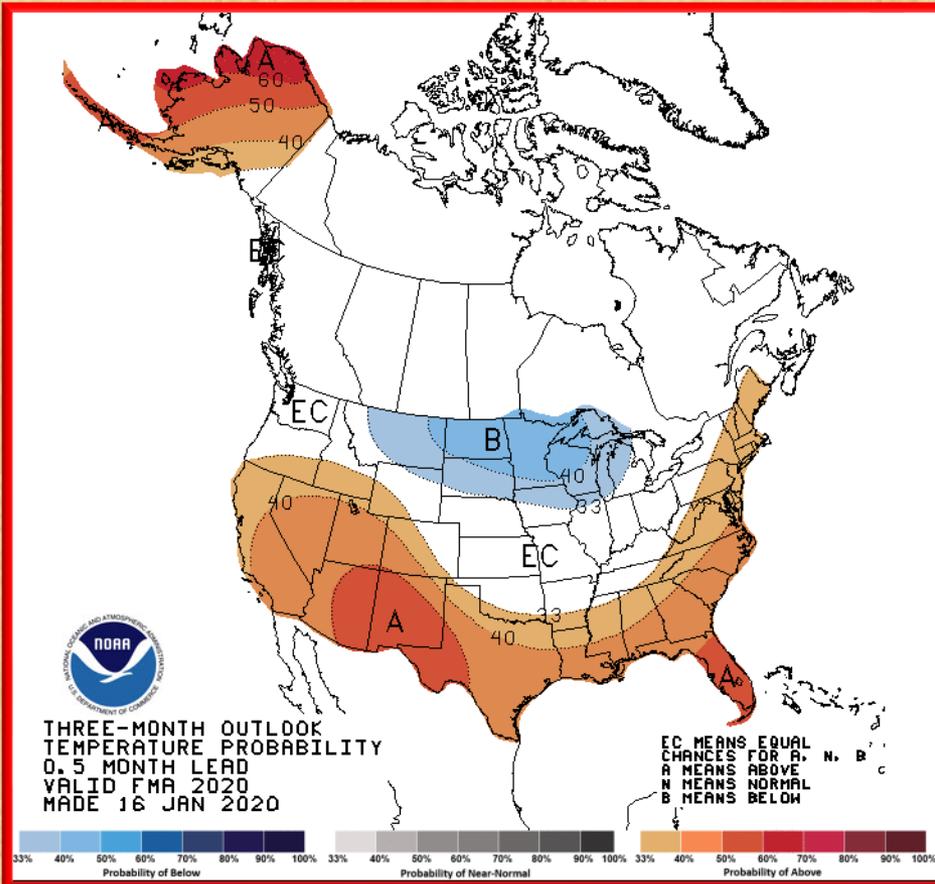
Precipitation



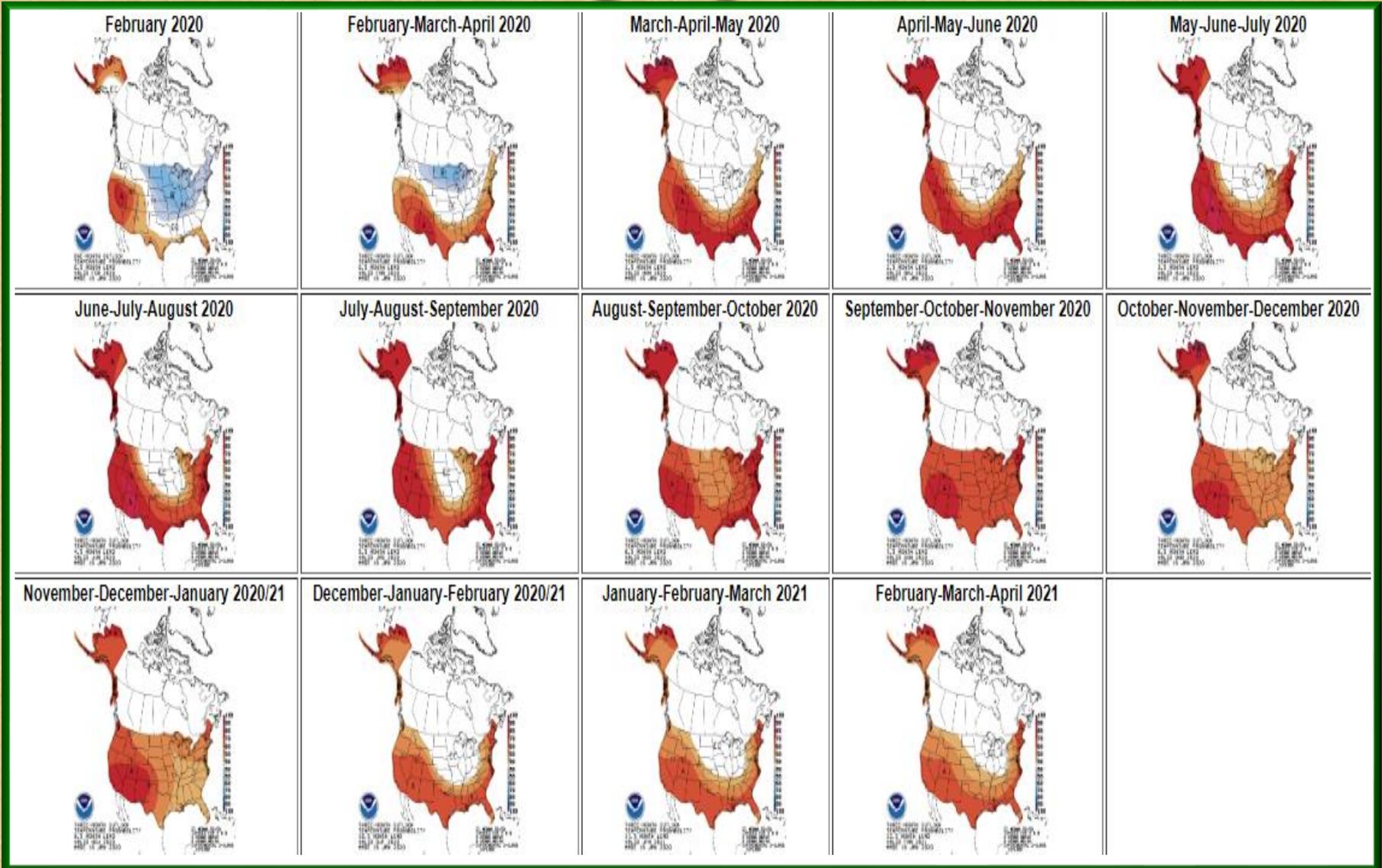
Temperature and precipitation outlook For February-April 2020

Temperature

Precipitation

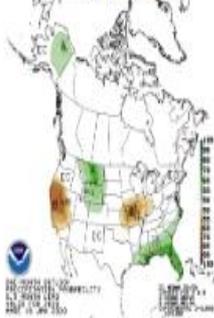


Temperature Outlook Through April 2021

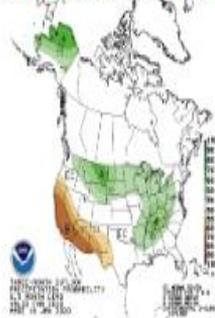


Precipitation Outlook Through April 2021

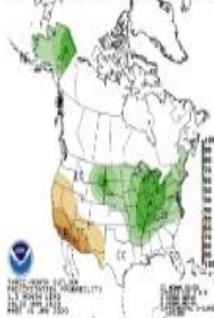
February 2020



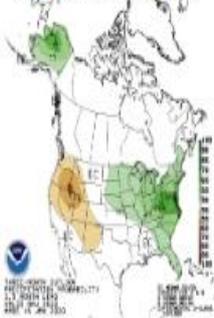
February-March-April 2020



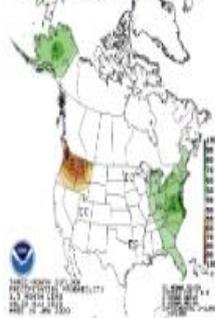
March-April-May 2020



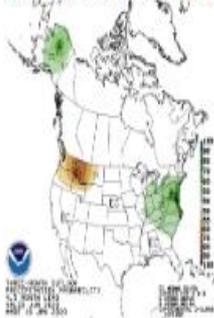
April-May-June 2020



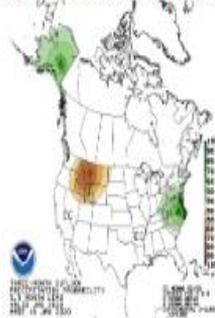
May-June-July 2020



June-July-August 2020



July-August-September 2020



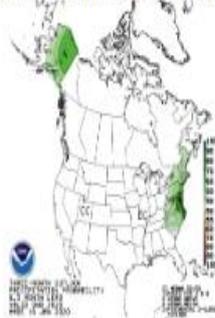
August-September-October 2020



September-October-November 2020



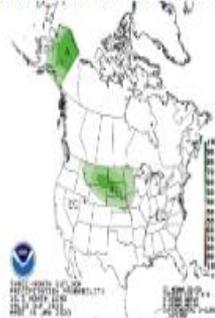
October-November-December 2020



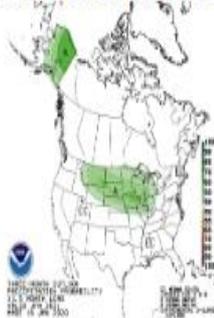
November-December-January 2020/21



December-January-February 2020/21



January-February-March 2021

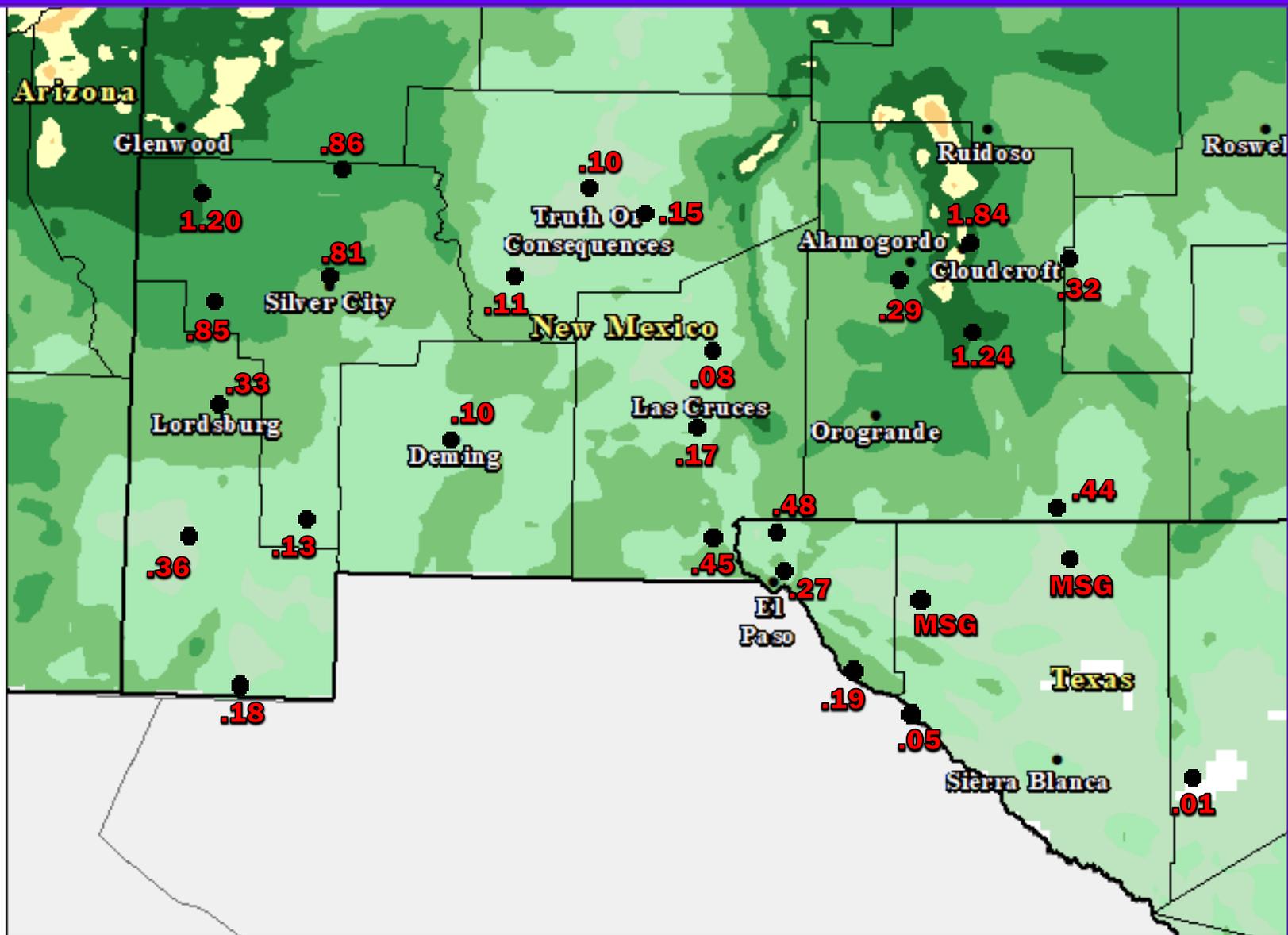
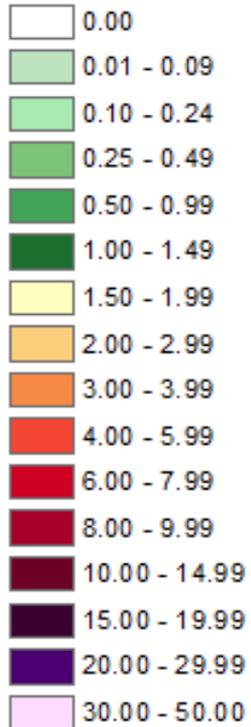


February-March-April 2021



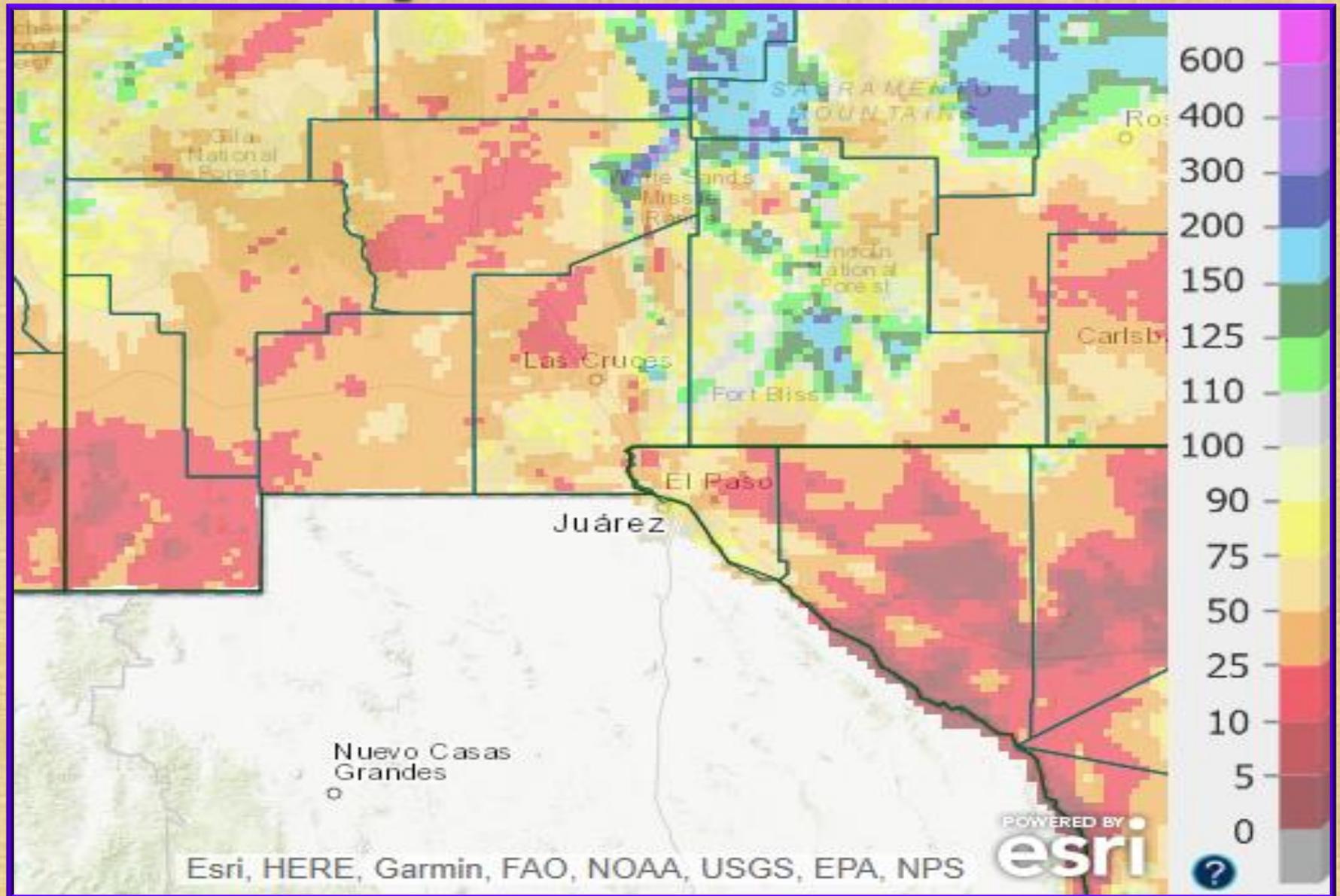
January 2020 radar rainfall estimate with surface rainfall reports

Inches

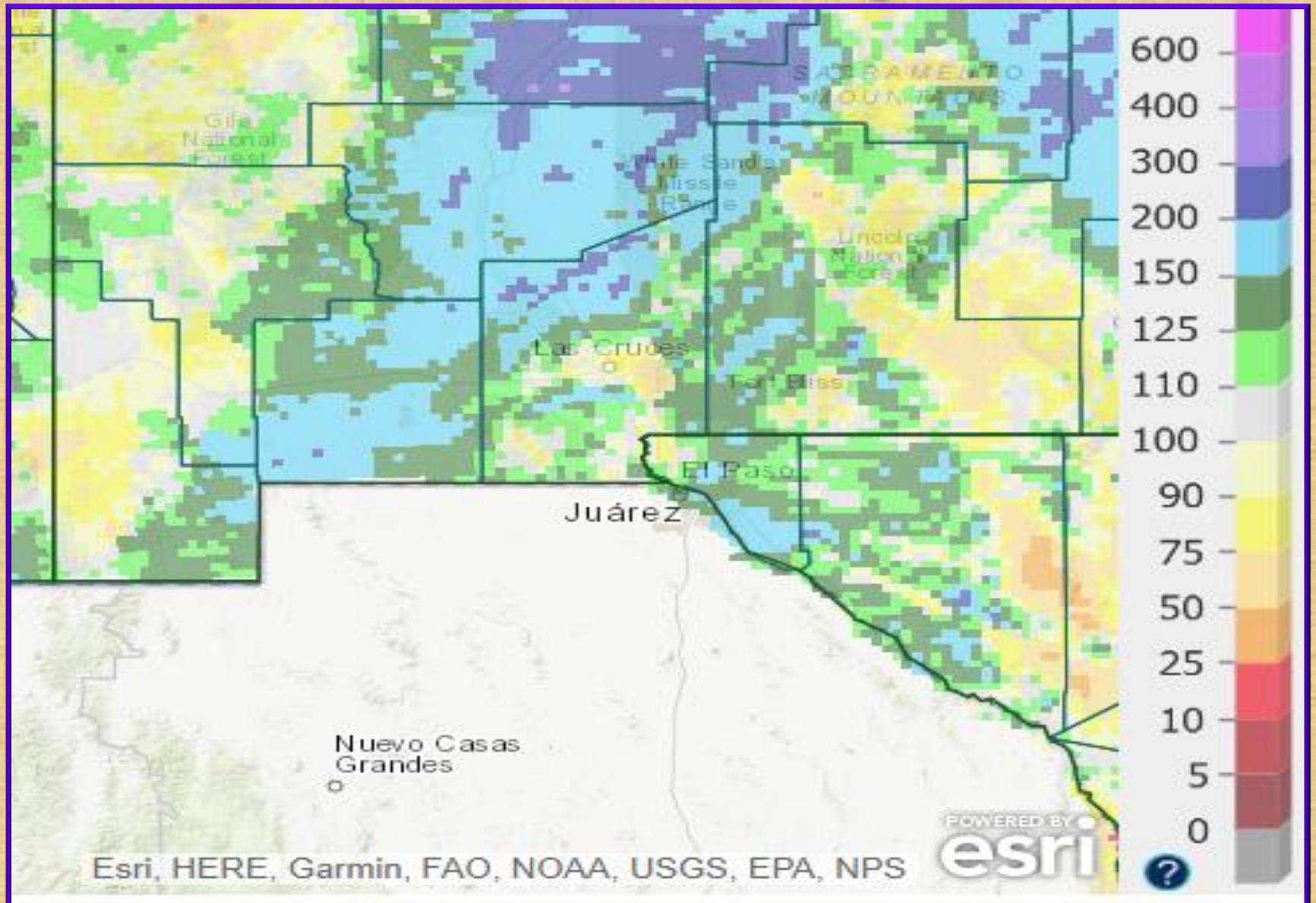


Created by the
NWS Forecast Office
El Paso, TX

January 2020 radar rainfall estimate percent of normal



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

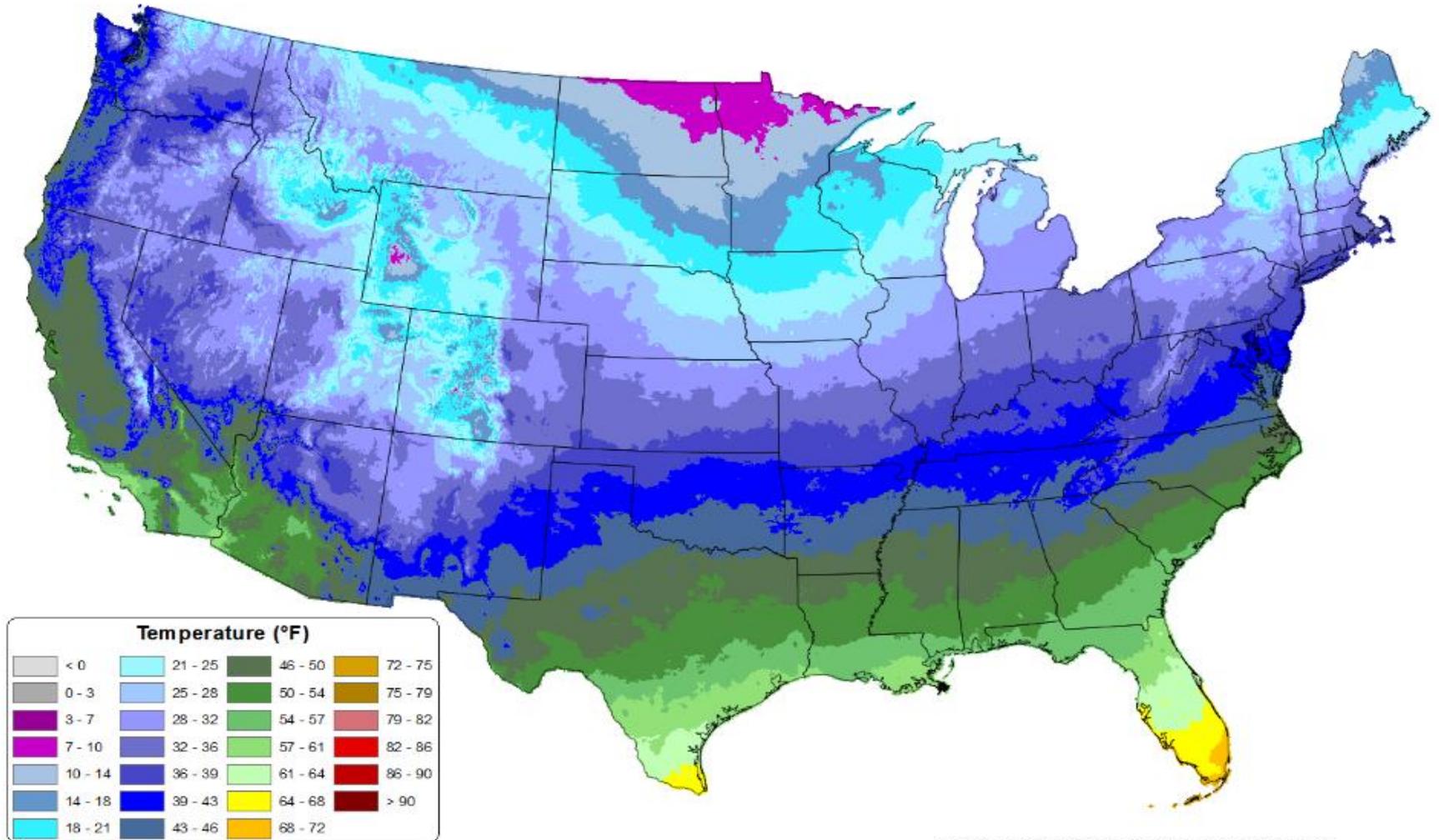


Average Daily Mean Temperature for January 2020

Average Daily Mean Temperature: Jan 2020

Period ending 7 AM EST 31 Jan 2020

(Map created 03 Feb 2020)

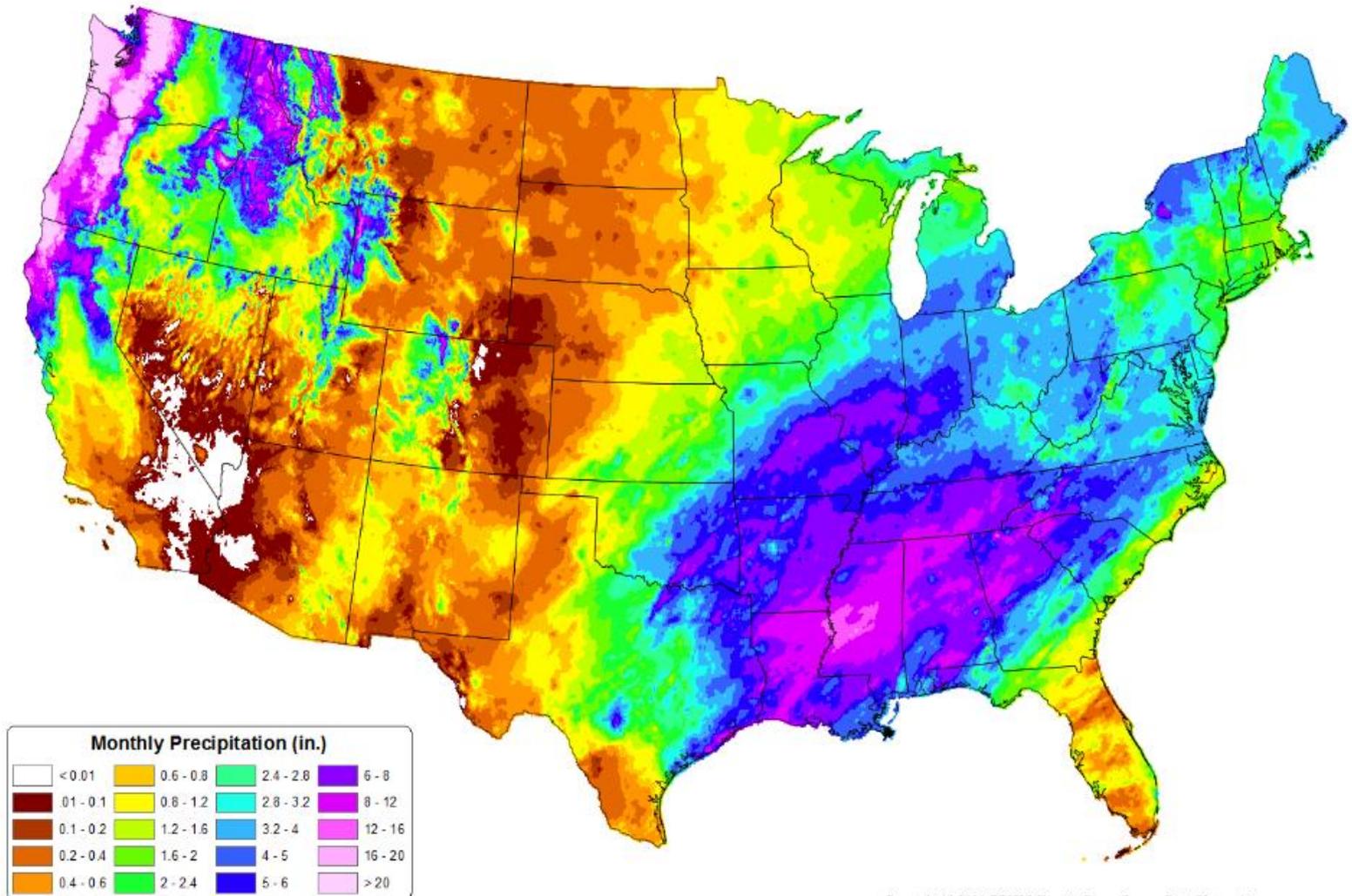


Total Precipitation for January 2020

Total Precipitation: Jan 2020

Period ending 31 Jan 2020

(Map created 03 Feb 2020)



Special Features

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

Month: JANUARY

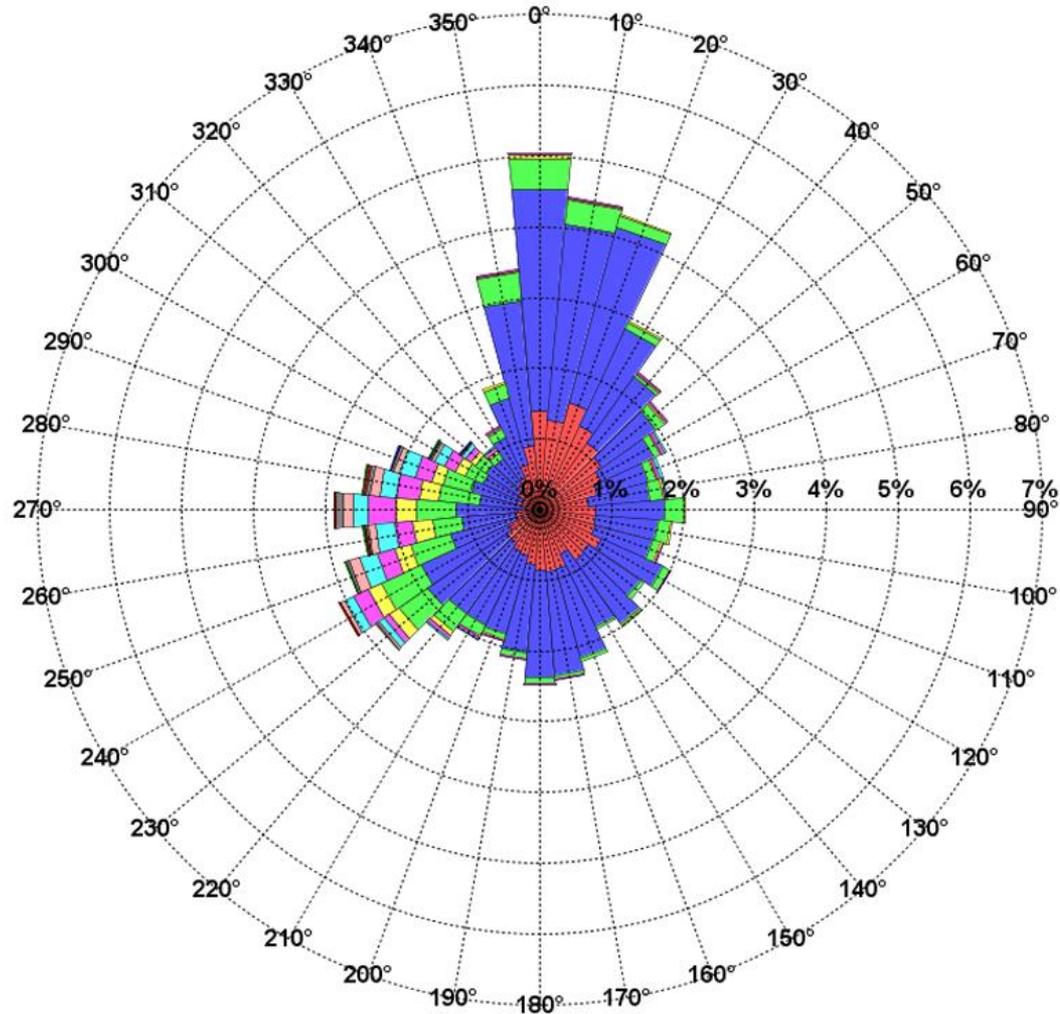
Calm: 13.27%

Variable: 1.45%

WindRose - KELP - EL PASO INTL

% Frequency of Wind Speed from a Direction

POR:19730101-20140602



Selected weather reports January 2020

Date/Time	Location (County)	Event
JAN 10 128 PM	CLOUDCROFT (COOP)-OTERO	8 INCHES SNOWFALL
JAN 10 1210 PM	CLOUDCROFT (TOWN)-OTERO	6 INCHES SNOWFALL

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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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**

