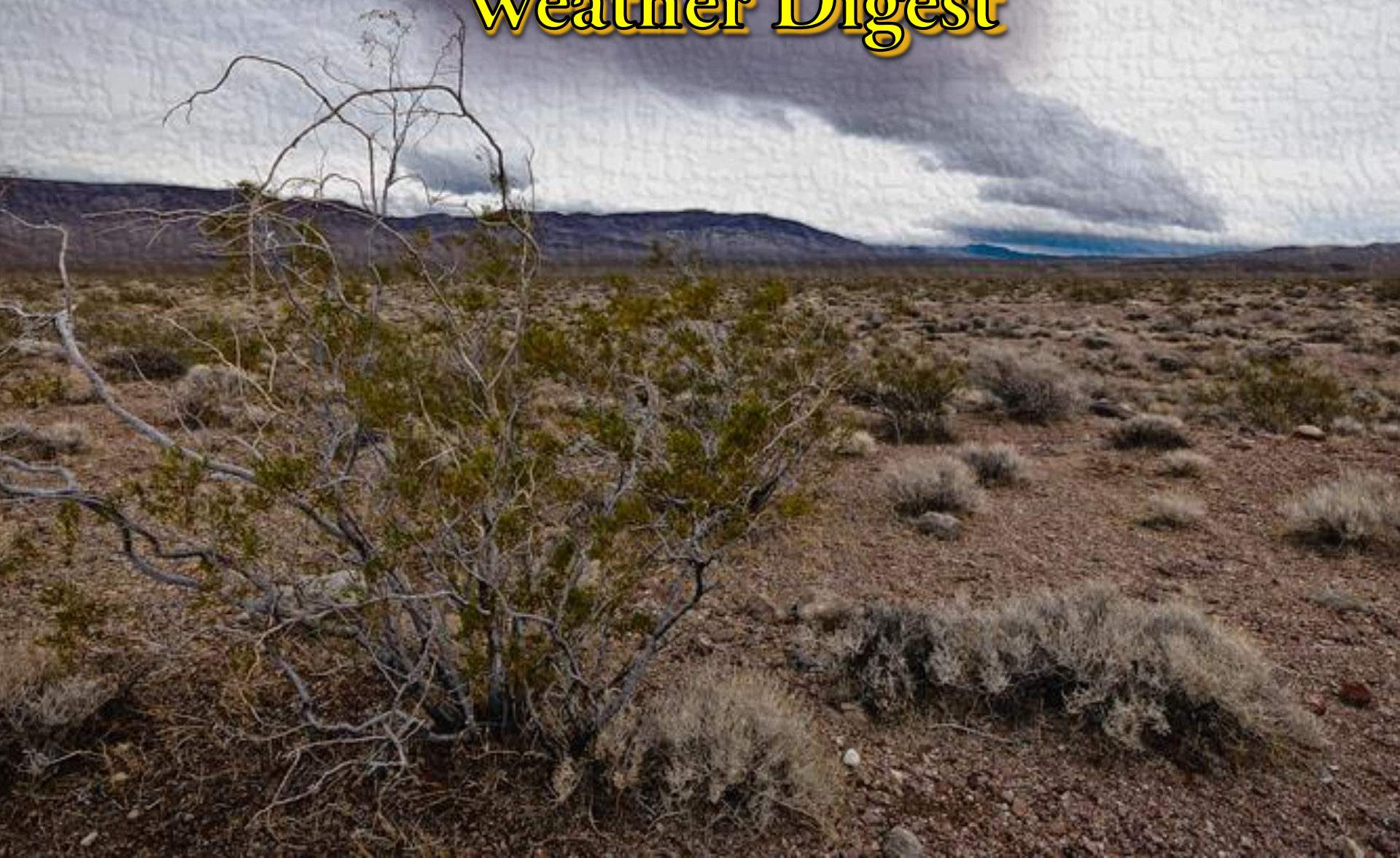


January 2018 Weather Digest



January 2018 Weather Summary

January got the new year of 2018 off to a comparatively slow start. The average mean temperature for El Paso was 46.6F with only .1 of an inch of rain which compares to the normal values of 45.1F and .4 of an inch. This was courtesy of a large persistent upper level ridge of high pressure over and along the west coast of the United States (La Nina) which deflected the Pacific storm systems far to the north of southern New Mexico. The resultant dry northwest flow aloft was instrumental in returning drought conditions to the area with most of southern New Mexico now in Moderate Drought (D1) and Far West Texas in abnormally dry conditions (D0).

As the Pacific storm systems traversed up and over the west Coast ridge and moved into the Great Plains of the United States, polar air in its wake would push westward into New Mexico and give the Borderland a seesaw effect to the max temperatures about six times during the month with the most pronounced on January 16 when the max temperature in El Paso did not get out of the 30s, plunging some 30 degrees from the day before. Precipitation for just about all areas remained below normal courtesy again to the Negative Enso pattern (La Nina). Precipitation most areas was running about 25% of normal and this is taking its effect on the Southern Rockies snowpack which is only about 36% of normal.

January 2018 Weather Summary Contd.

About the only storm of interest was a strong Pacific storm on January 10 which produced around 5 to 7 inches of snow in the Cloudcroft area and 68-74 mph winds along the east facing slopes of the San Andres and Franklin Mountains.

La Nina conditions are expected to continue through spring, then transition back to neutral conditions for the summer. The longer outlook is for possible El Nino conditions for this next fall and winter. NOAA's Climate Prediction Center continues to forecast below normal chances for precipitation until mid summer with the arrival of the North American Monsoon.

**Contrail El Paso area
Jan 3**



**Desert Mirages near
Santa Teresa Jan 23**



Desert Sunset Jan 3



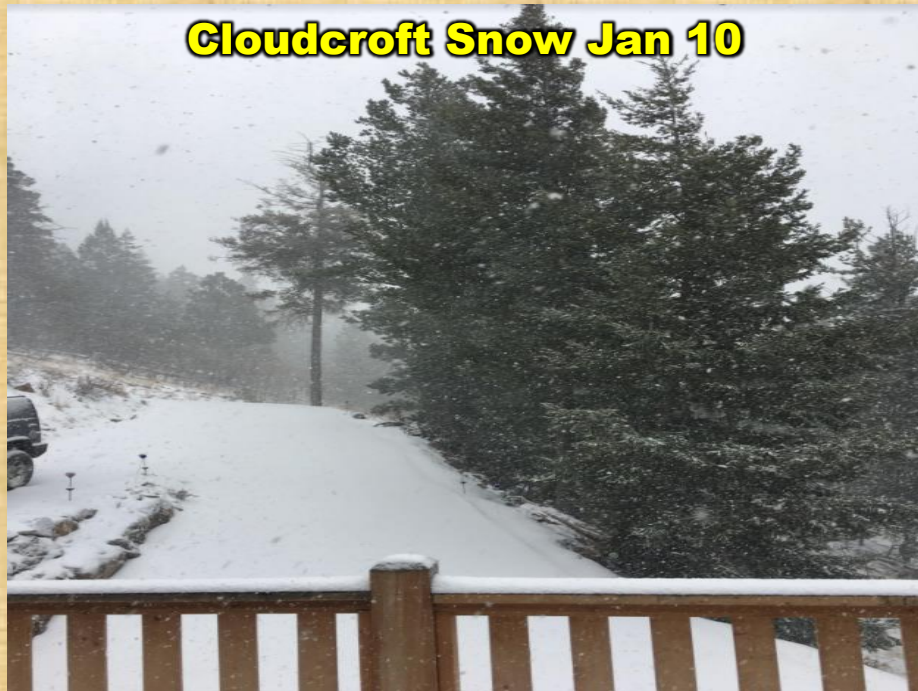
Cloudcroft Snow Jan 10



**El Paso Jan 17
Freezing Temperatures**



Cloudcroft Snow Jan 10



El Paso Windstorm Jan 10

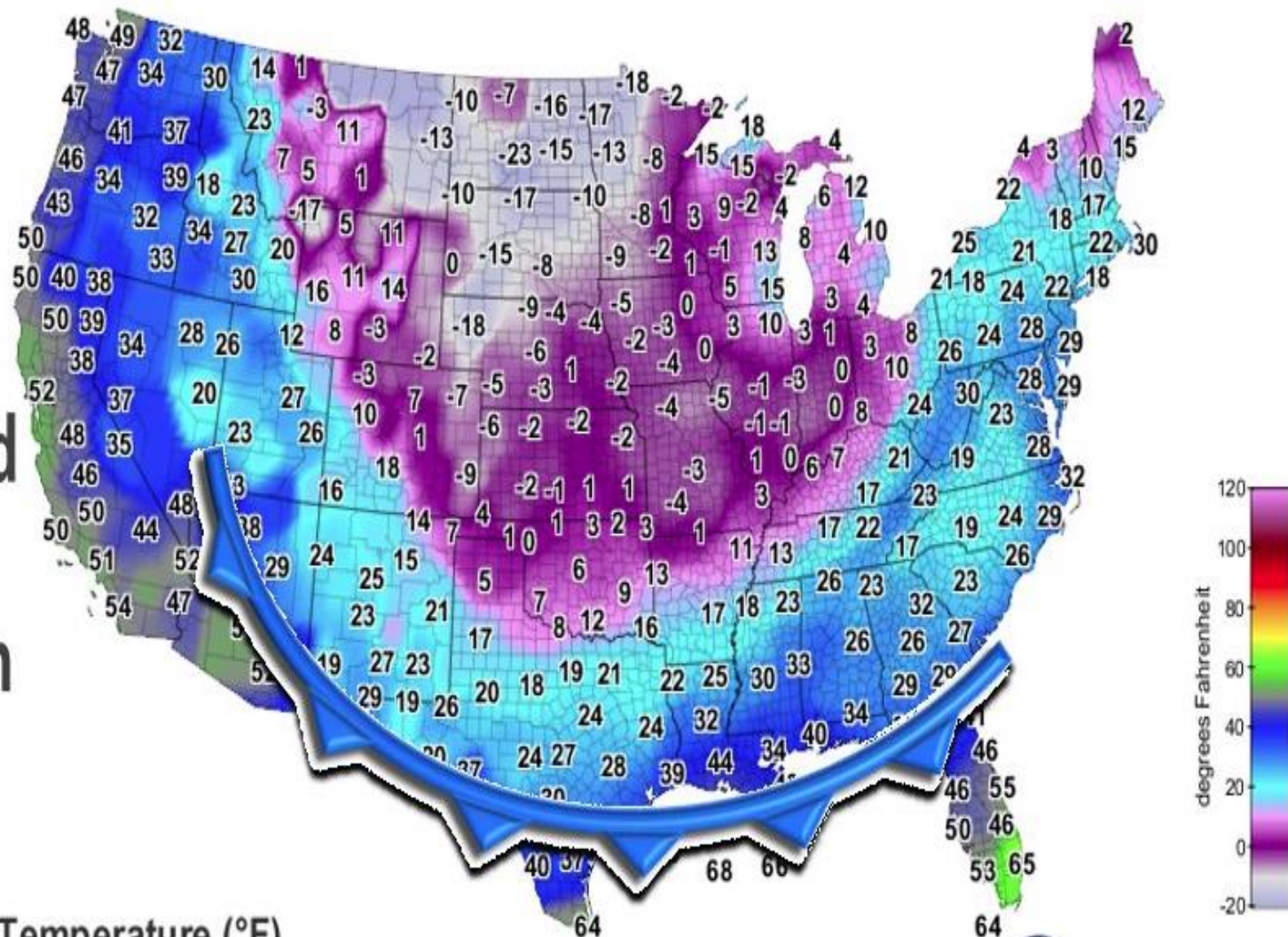


Blood Moon west of Santa Teresa Jan 22



Chilly Across the U.S.

Cold Front
plunges
south and
spreads cold
arctic air
across much
of the U.S.



Air Temperature (°F)

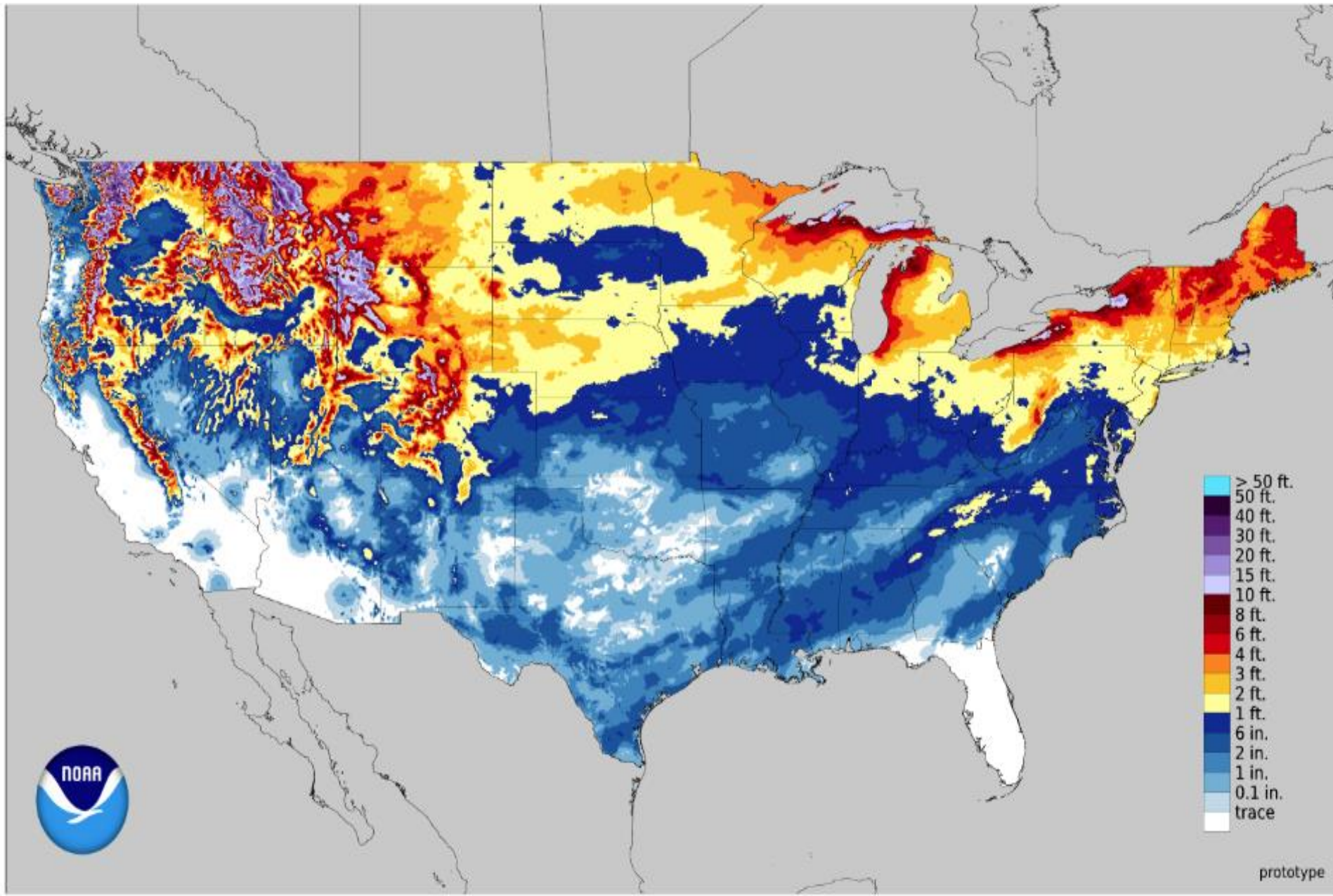
7:00 AM January 16, 2018 CST

Data provided by NOAA's National Weather Service. Created 7:30:32 AM January 16, 2018 CST. © Copyright 2018

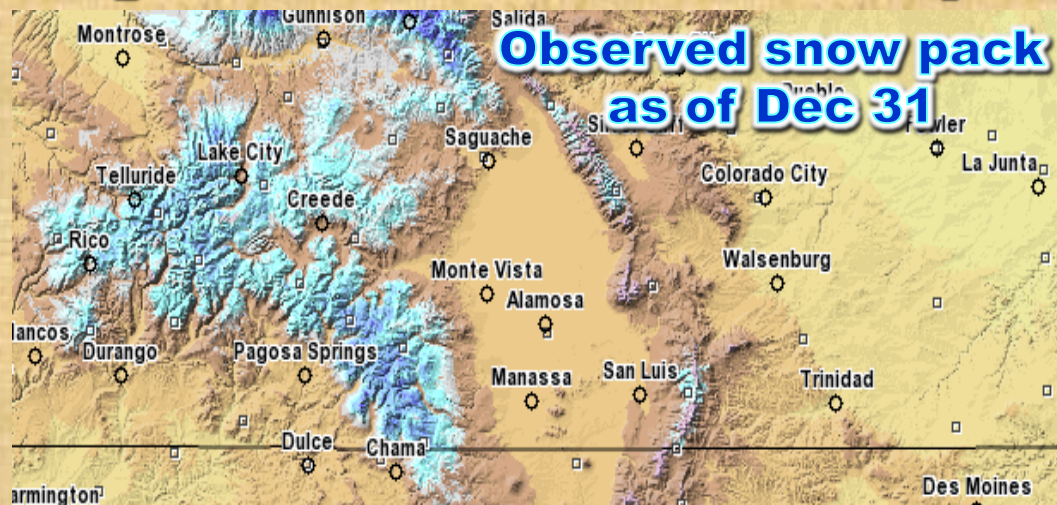


National Snowfall Analysis: accumulation from 2017-09-30 to 2018-01-29

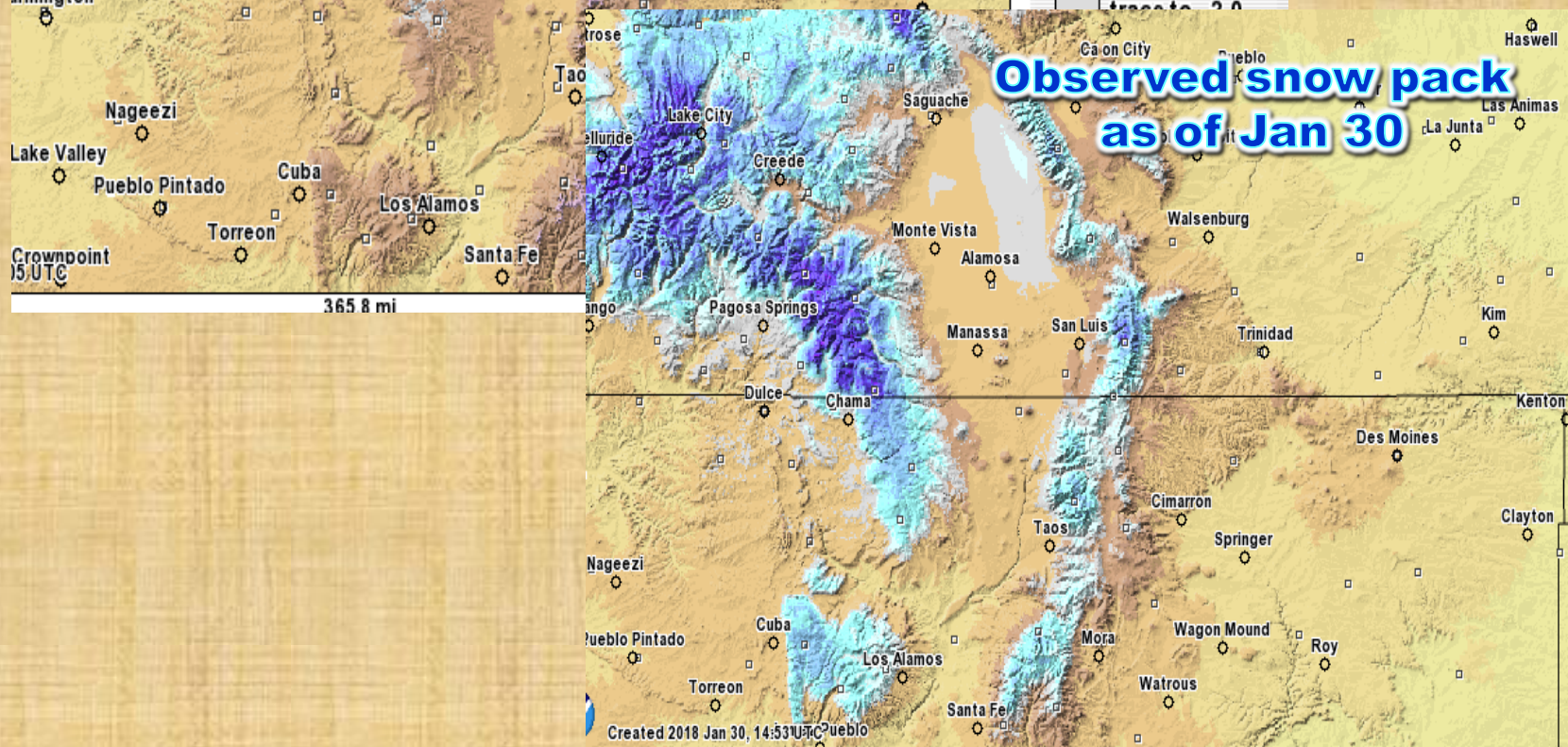
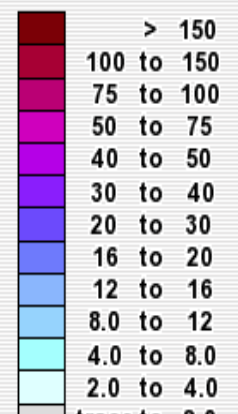
Issued 2018-01-30 14:21:50 UTC



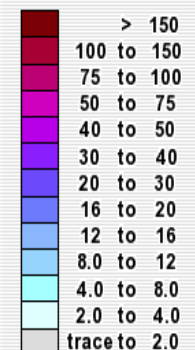
How is the upper Rio Grande Basin snow pack doing? Not good. These charts show snow pack is 50% or less than normal



Inches of depth

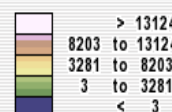


Inches of depth



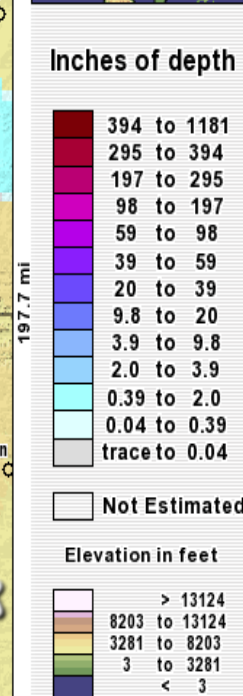
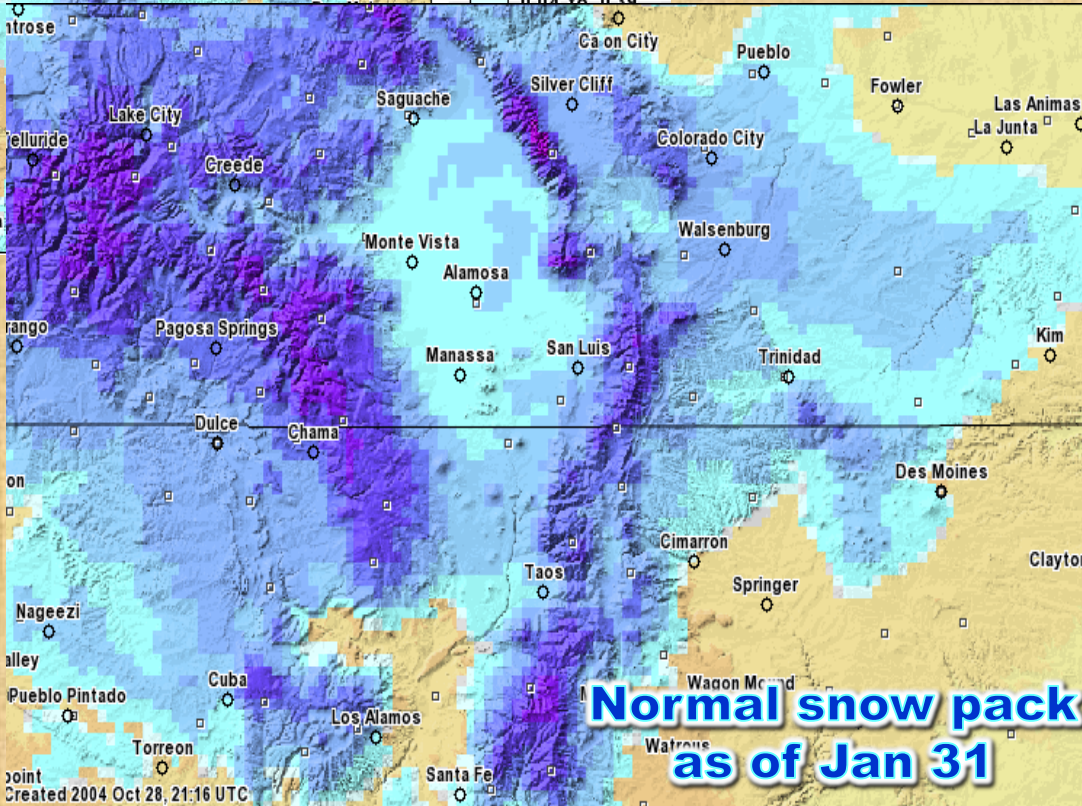
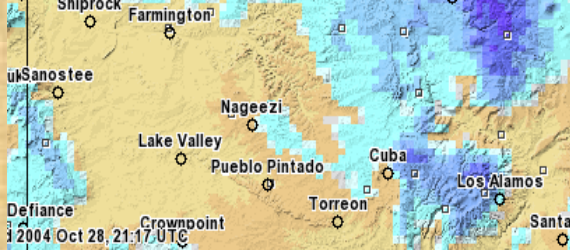
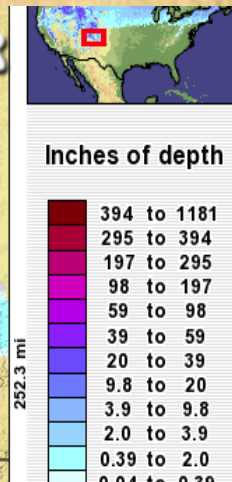
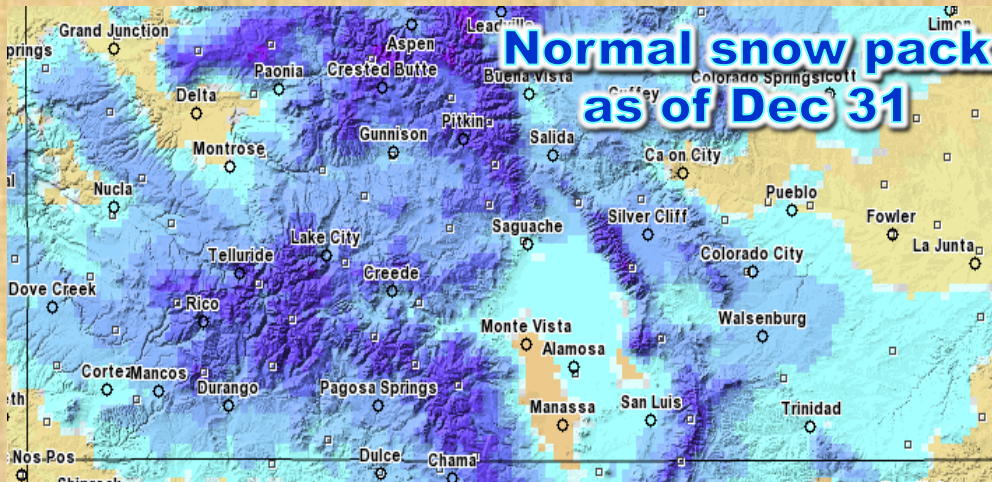
Not Estimated

Elevation in feet



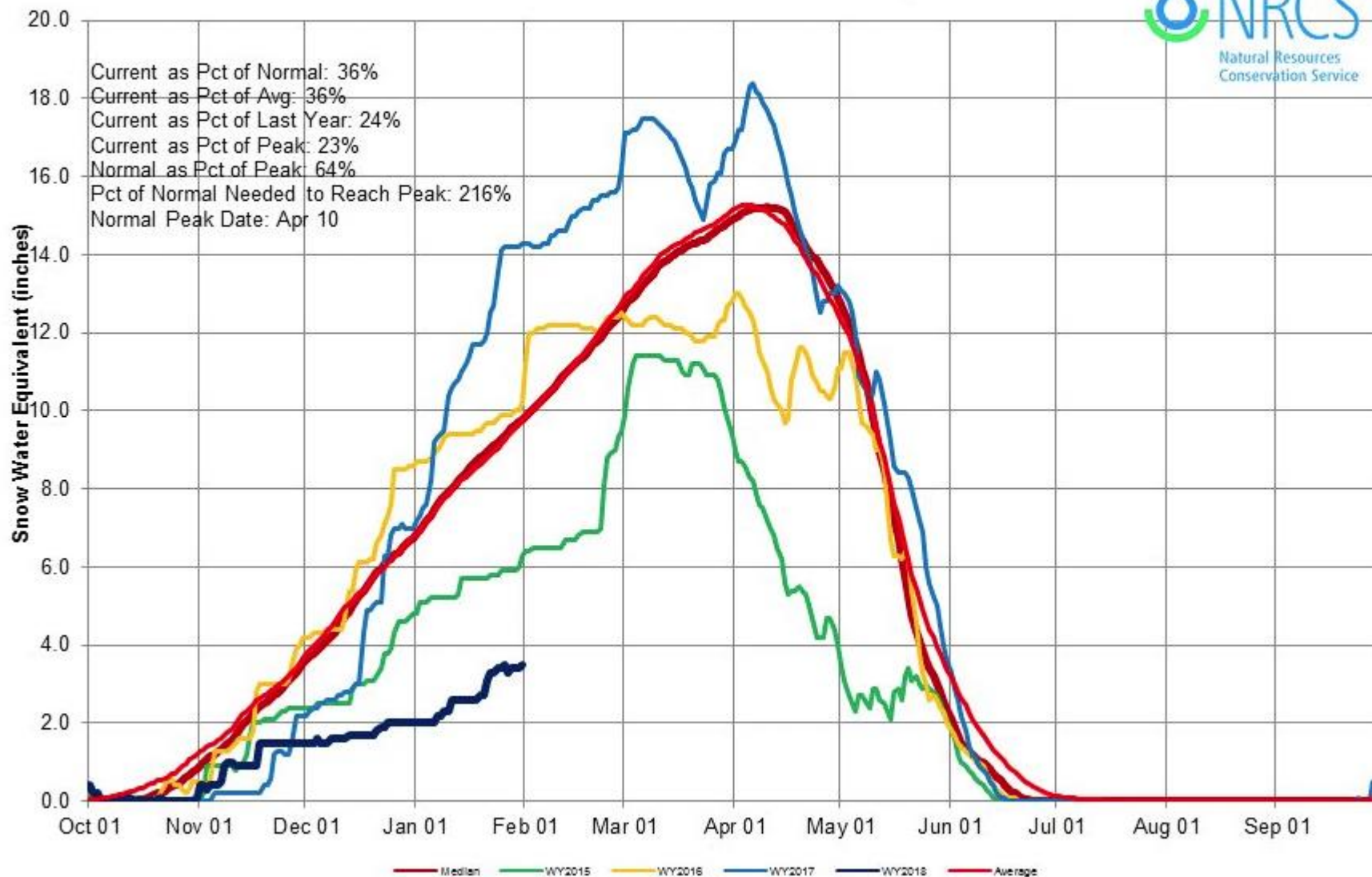
Created 2018 Jan 30, 14:53 UTC

How is the upper Rio Grande Basin snow pack doing? Not good. These charts show snow pack is 50% or less than normal



Upper Rio Grande Basin Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Jan 31, 2018



NORTHERN NEW MEXICO AND SOUTHERN COLORADO SNOW PACK

COMPARED TO 1981-2010 MEDIAN

162%



2017

36%



2018

RIO GRANDE

Average

170%



2017

37%



2018

SAN JUANS

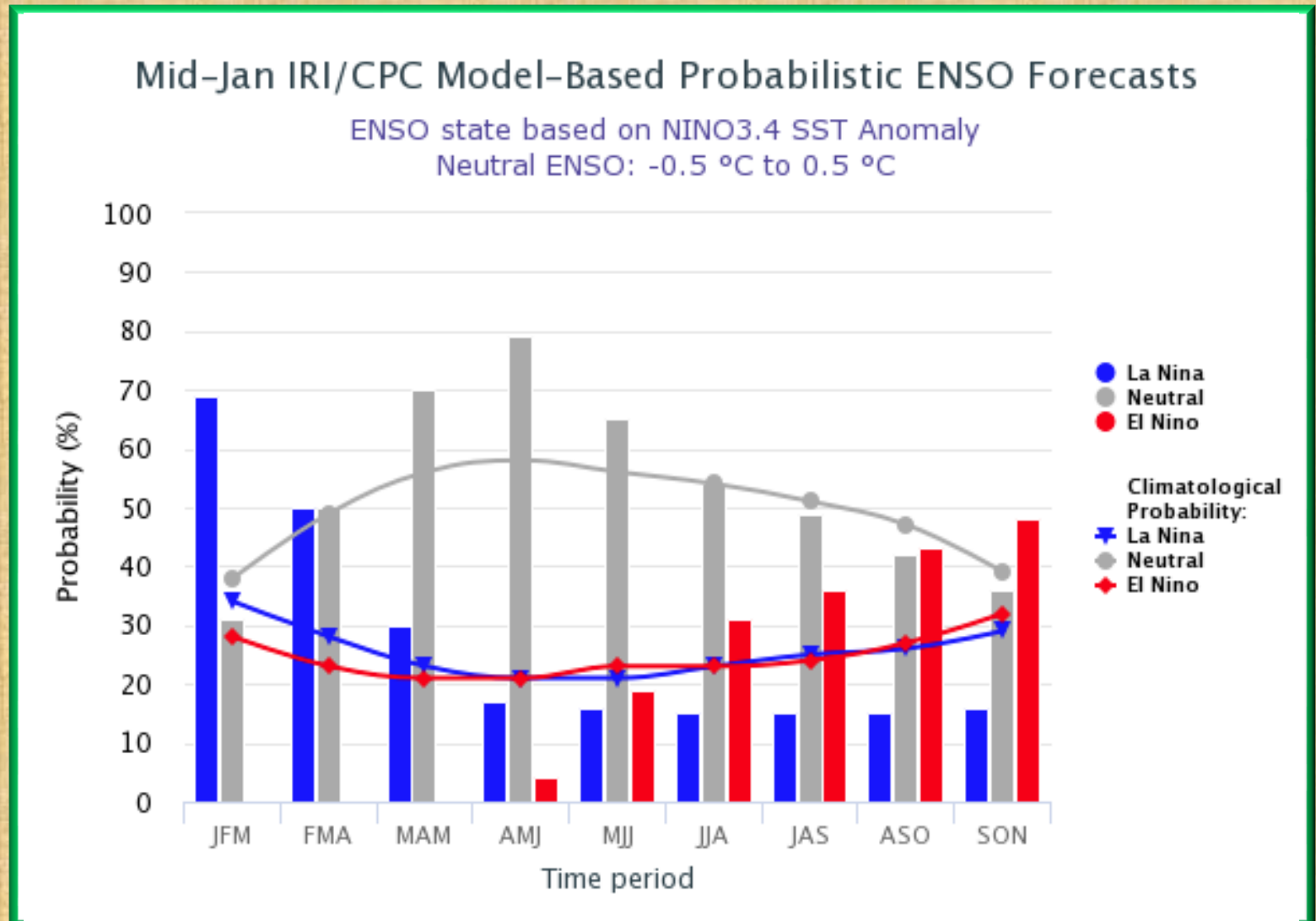
La Niña Advisory in Effect

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 Through Early Winter of 2018

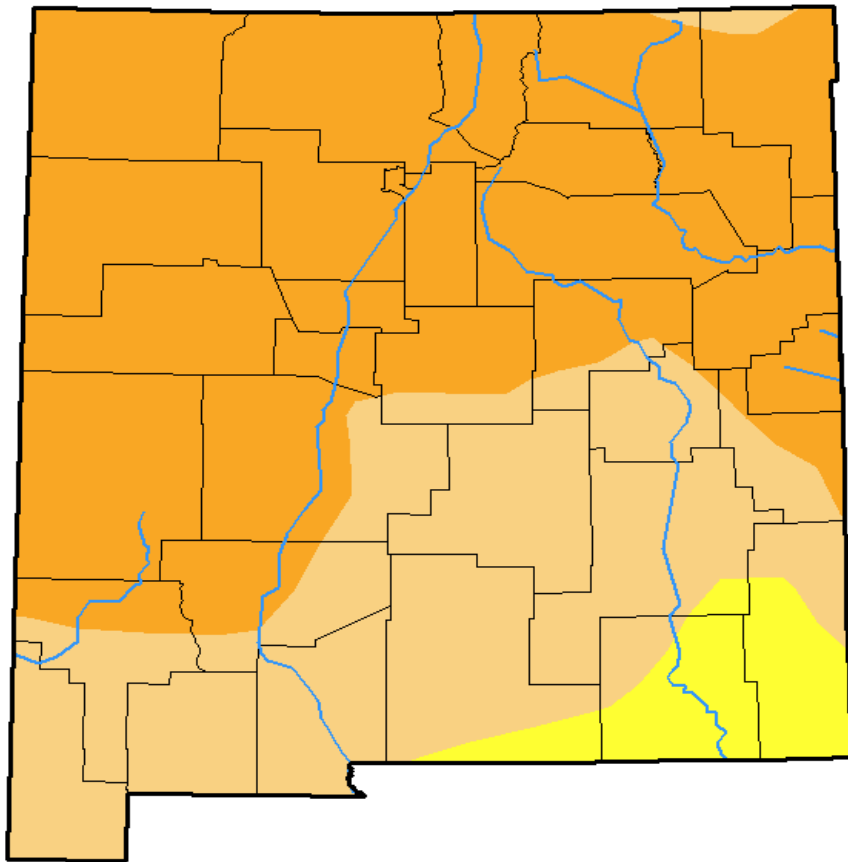
ENSO IS IN LA NIÑA PHASE. IT IS LIKELY TO LAST INTO EARLY SPRING; THEN LIKELY BACK TO NEUTRAL BY LATE SPRING.



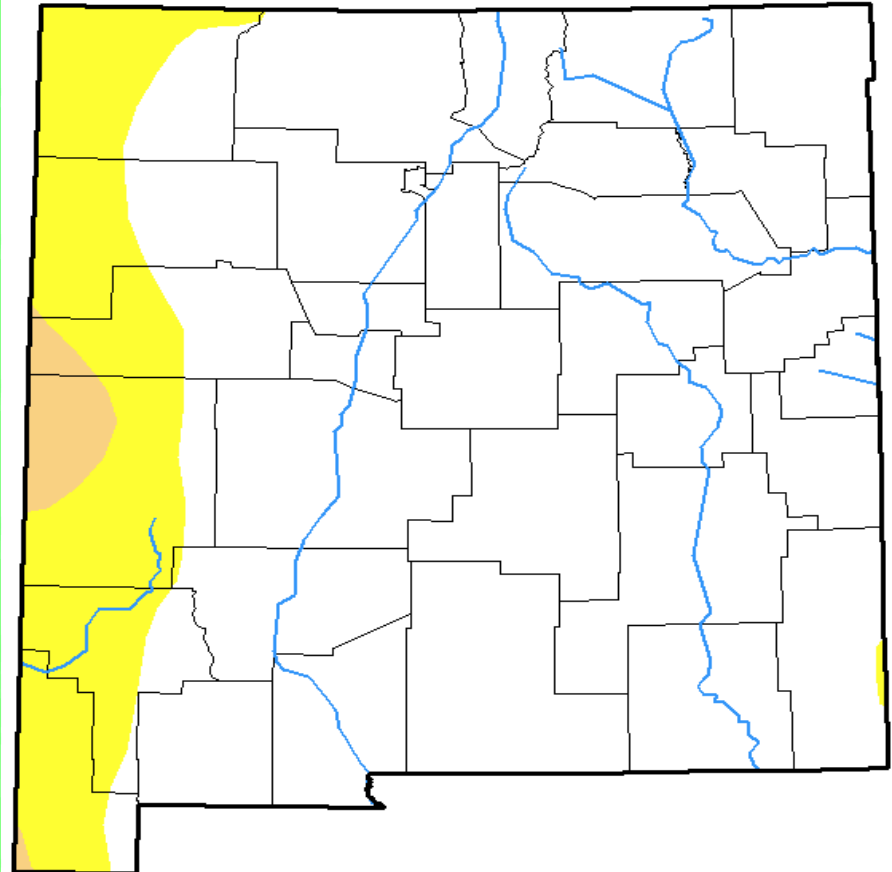
Current drought conditions for New Mexico and 3 month change

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

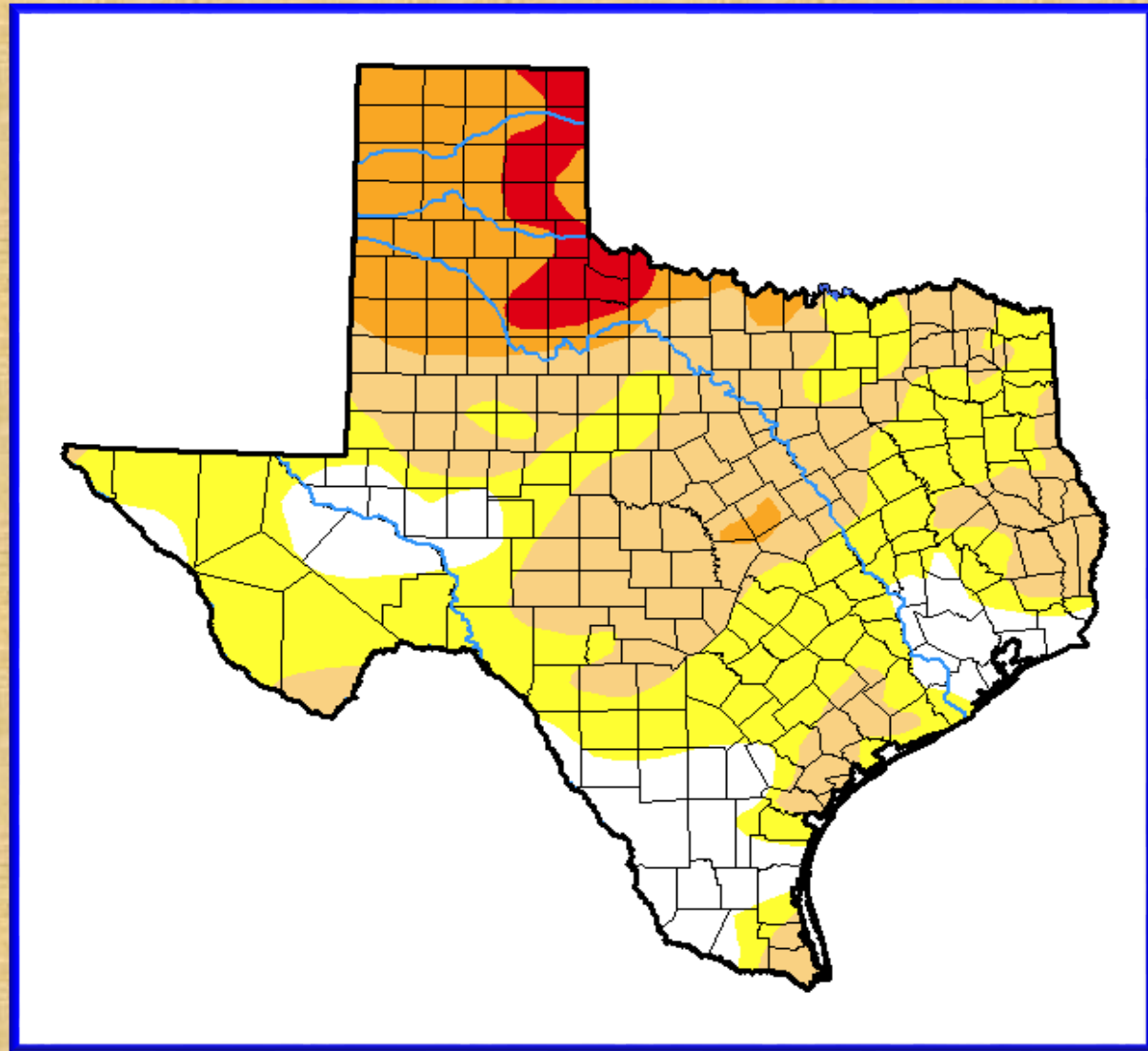
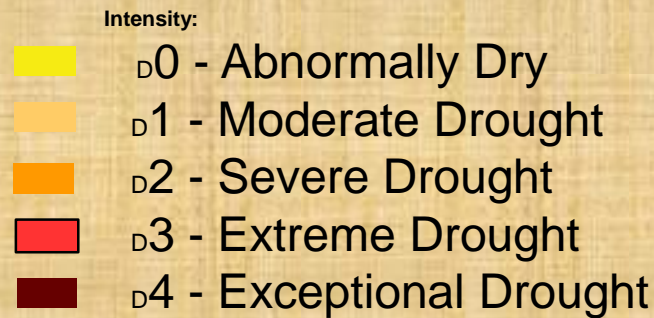
January 23, 2018



October 31, 2017



Current drought conditions for Texas as of January 31, 2017



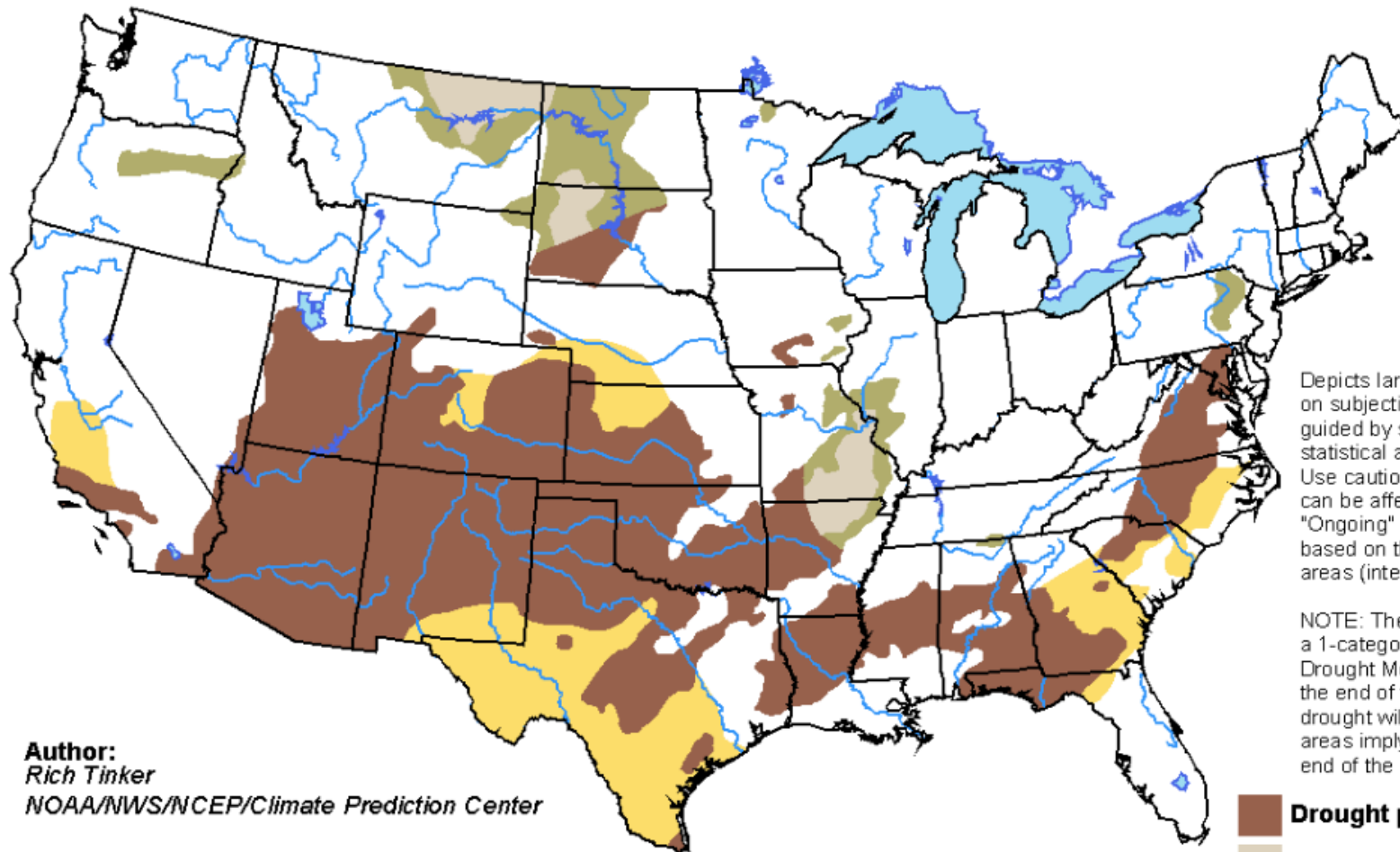
Build your own custom slider maps here at:

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

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for January 18 - April 30, 2018
Released January 18, 2018

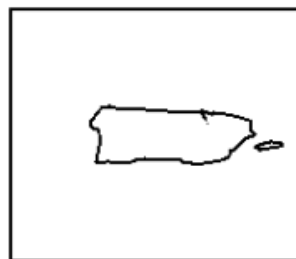
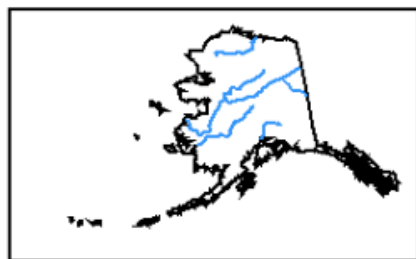


Author:
Rich Tinker
NOAA/NWS/NCEP/Climate Prediction Center

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**

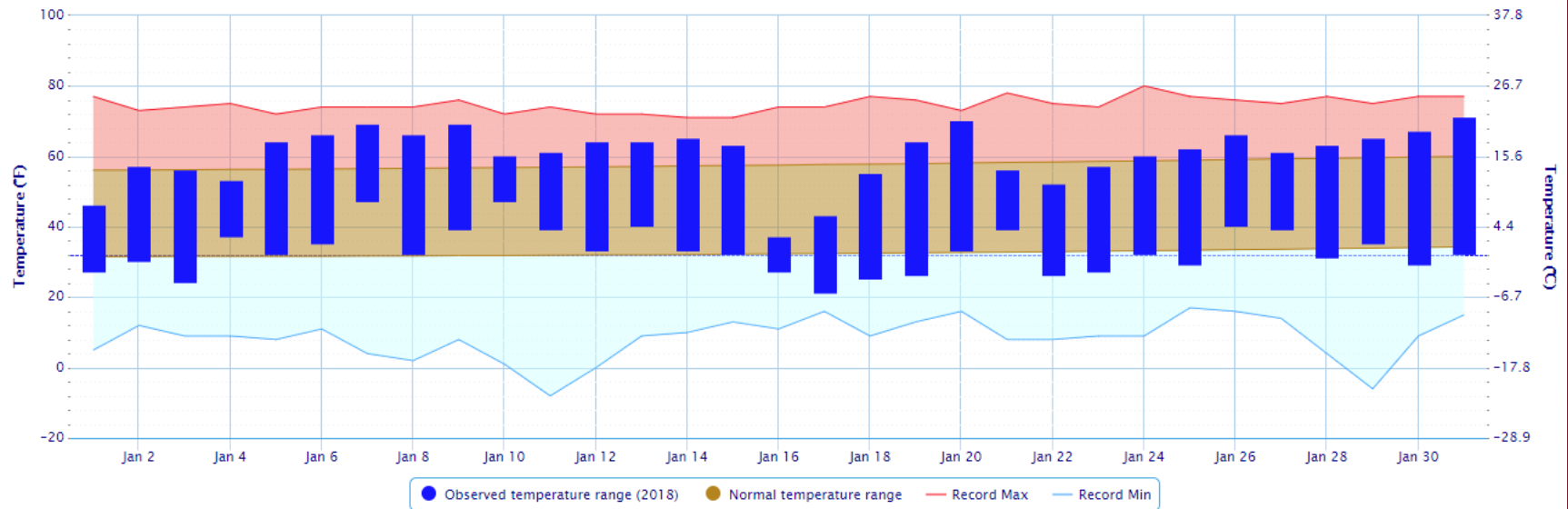


<http://go.usa.gov/3eZ73>

Temperature and precipitation data for January 2018 in El Paso

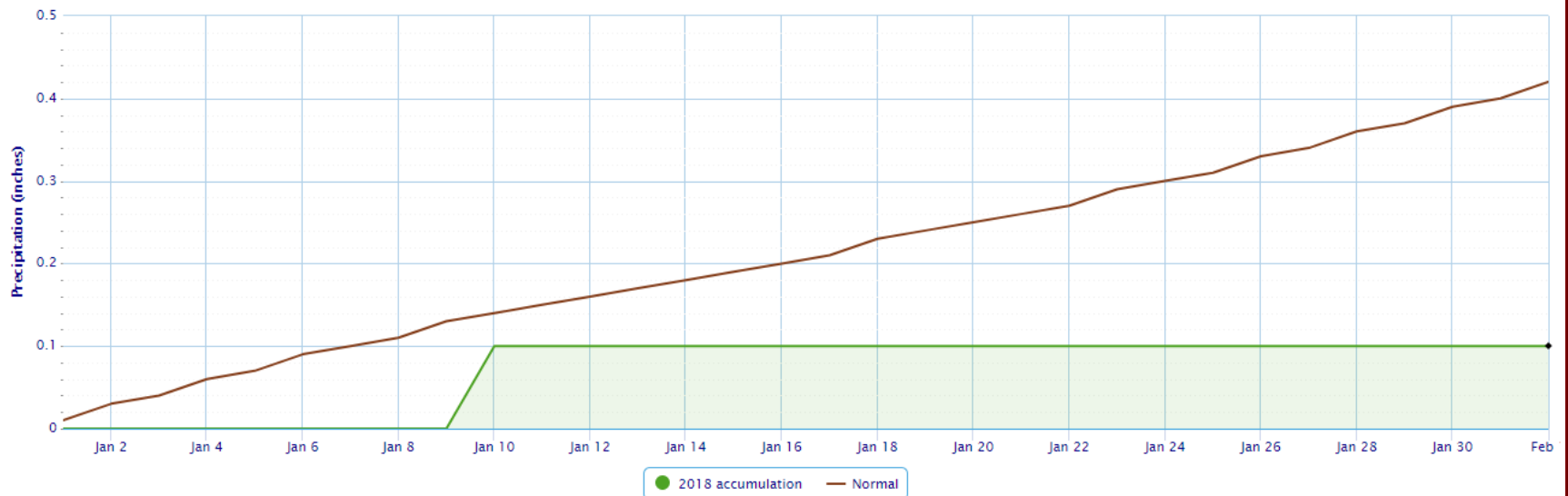
Daily Temperature Data - El Paso Area, TX (ThreadEx)

Period of Record - Max temperature: 1887-01-01 to 2018-01-31; Min temperature: 1879-01-01 to 2018-01-31. Normals period: 1981-2010. Click and drag to zoom chart.

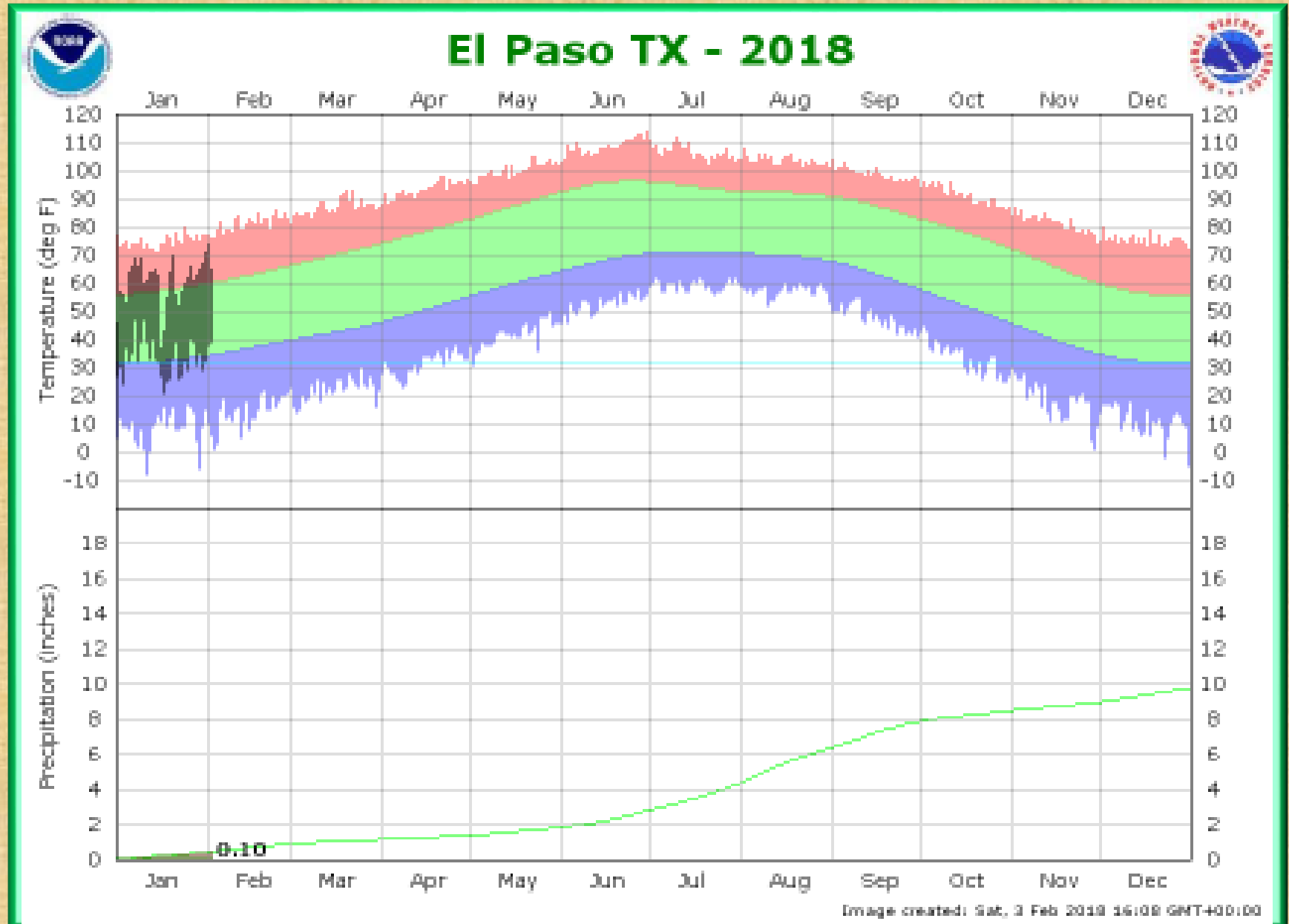


Accumulated Precipitation - El Paso Area, TX (ThreadEx)

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

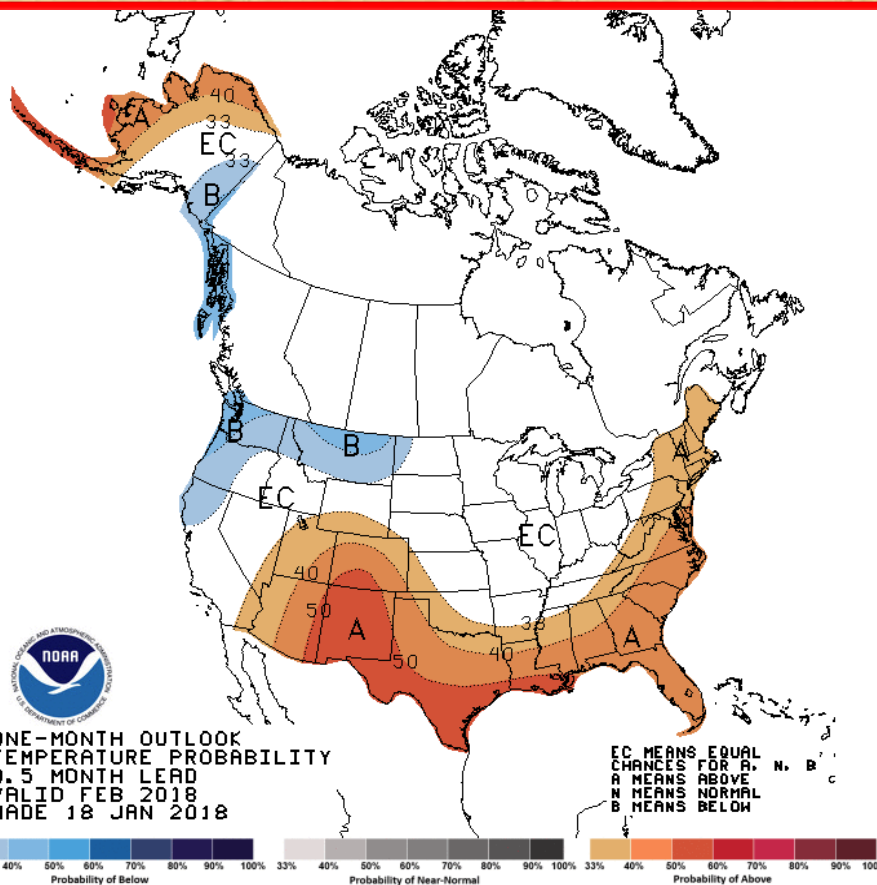


2018 year-to-date temperature and precipitation data El Paso

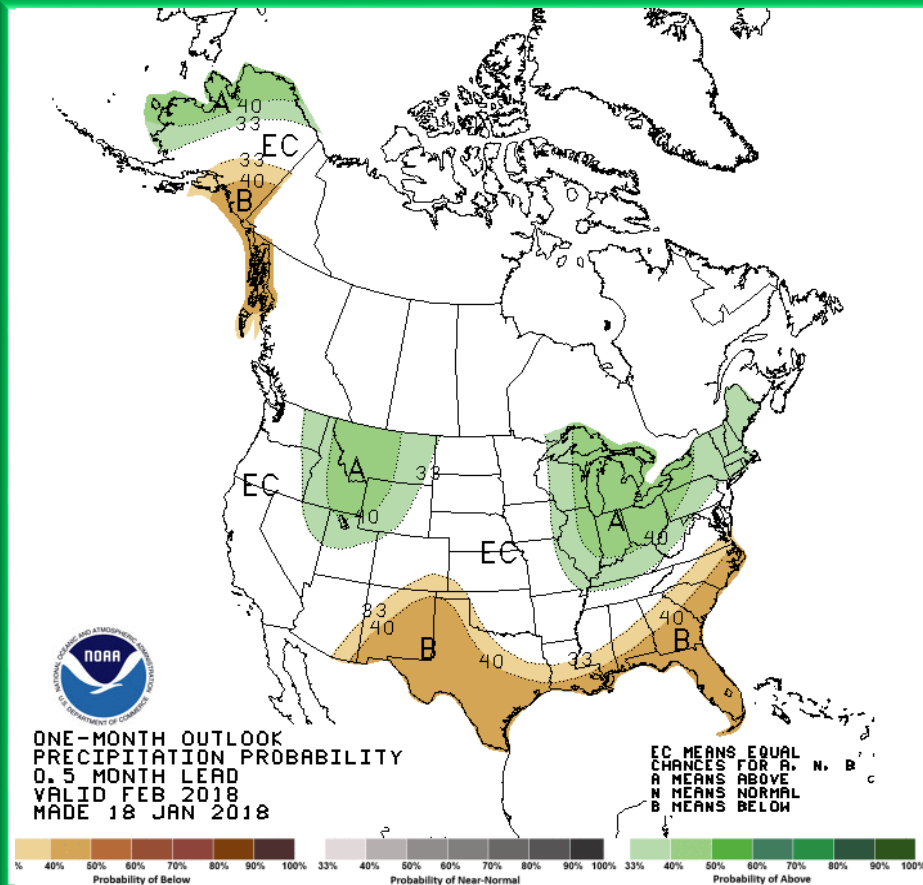


Temperature and precipitation outlook for February 2018

Temperature

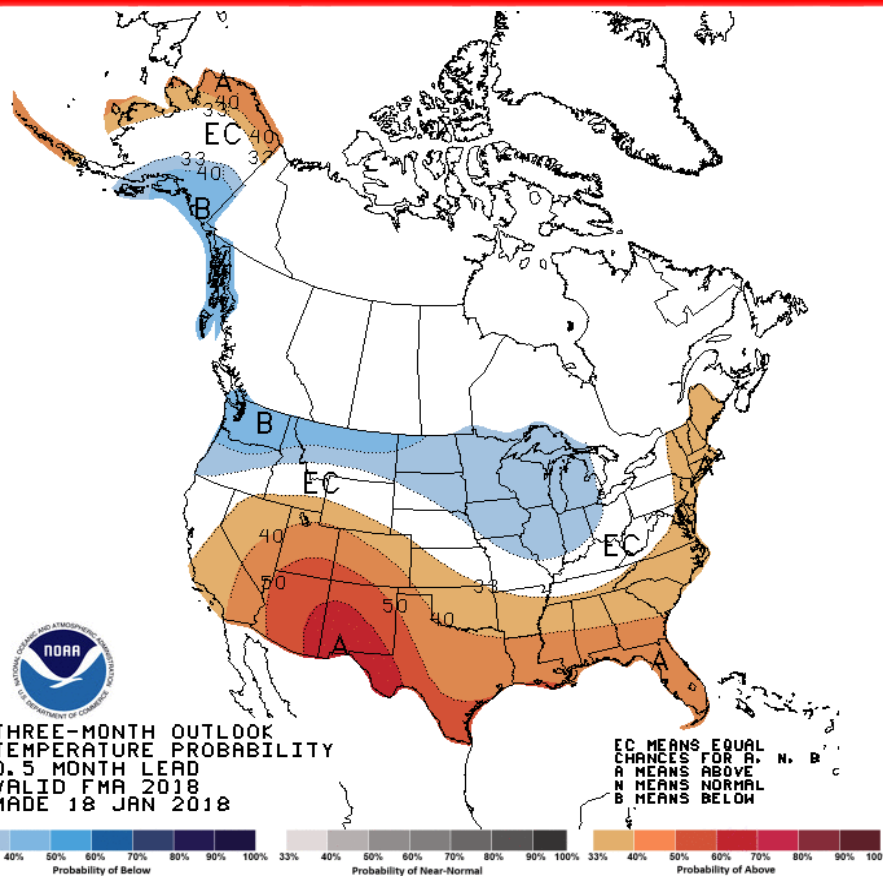


Precipitation

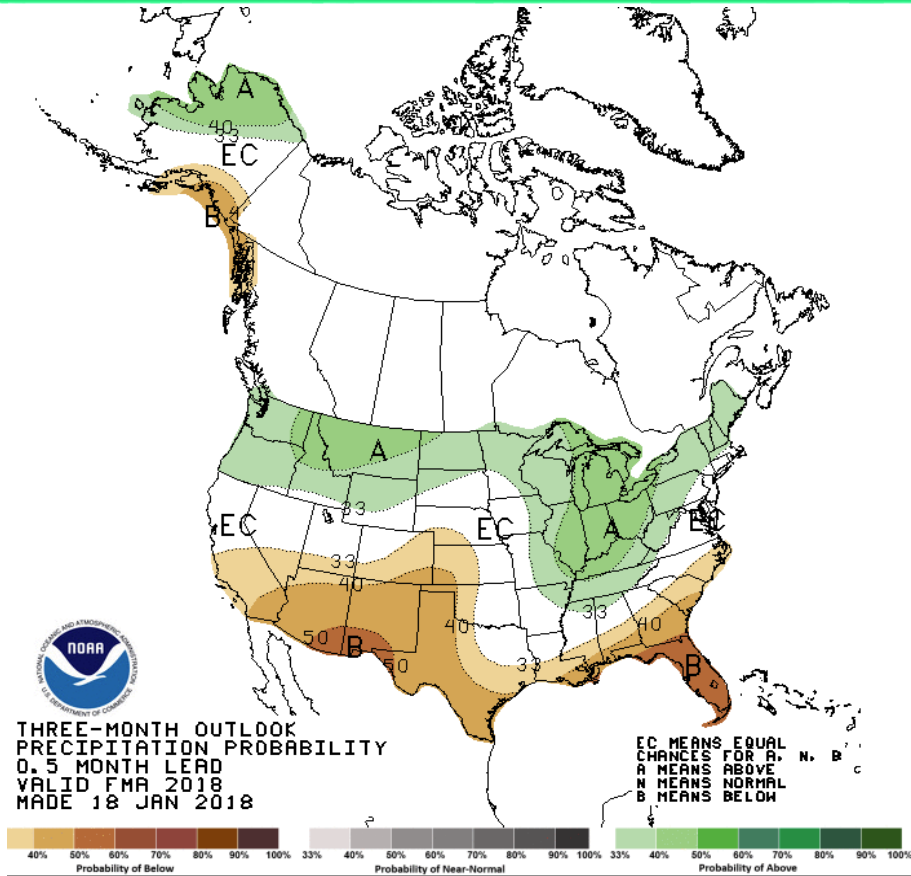


Temperature and precipitation outlook For February-April 2018

Temperature

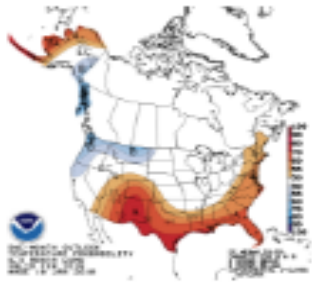


Precipitation

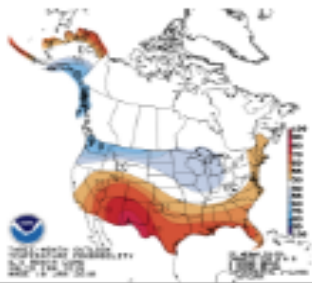


Temperature Outlook Through April 2019

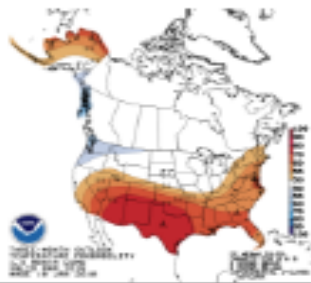
Feb 2018



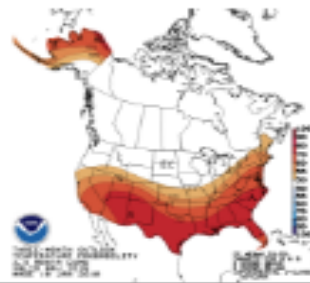
**Feb-Mar-Apr
2018**



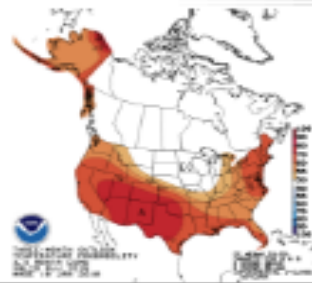
**Mar-Apr-May
2018**



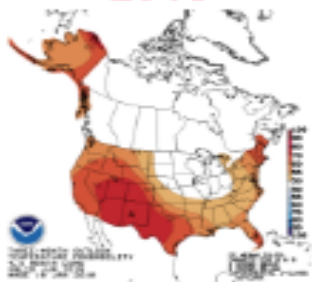
**Apr-May-Jun
2018**



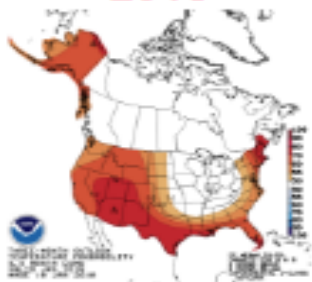
**May-Jun-Jul
2018**



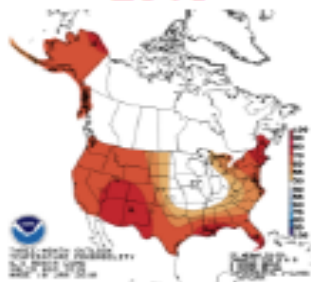
**Jun-Jul-Aug
2018**



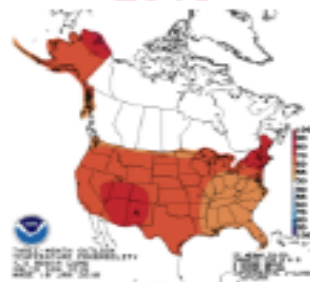
**Jul-Aug-Sep
2018**



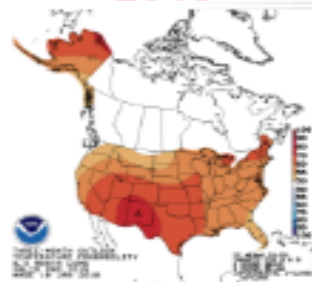
**Aug-Sep-Oct
2018**



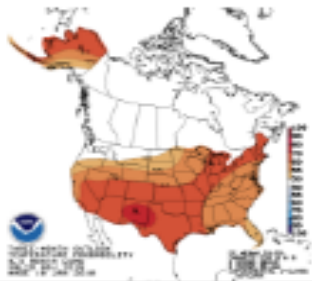
**Sep-Oct-Nov
2018**



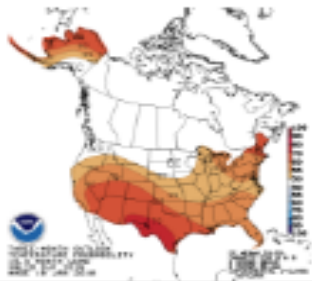
**Oct-Nov-Dec
2018**



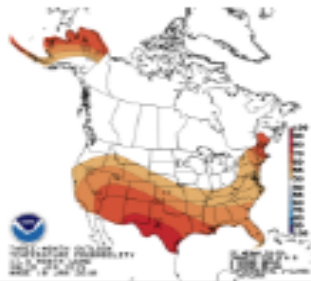
**Nov-Dec-Jan
2018/19**



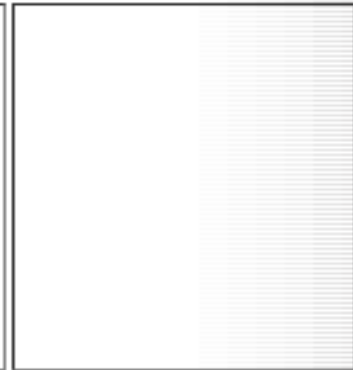
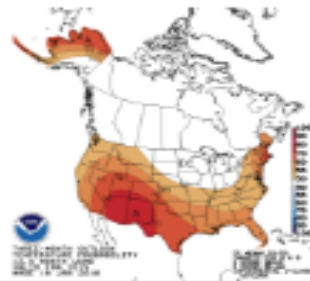
**Dec-Jan-Feb
2018/19**



**Jan-Feb-Mar
2019**

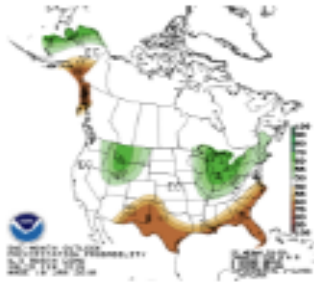


**Feb-Mar-Apr
2019**

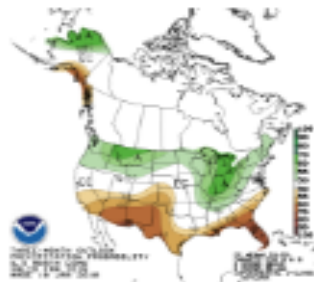


Precipitation Outlook Through April 2019

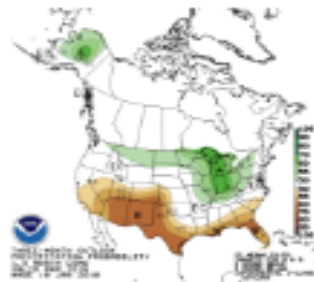
Feb 2018



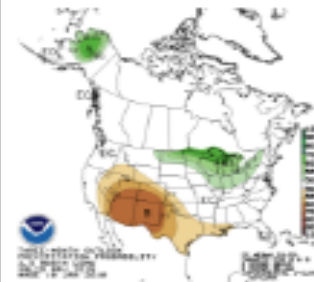
**Feb-Mar-Apr
2018**



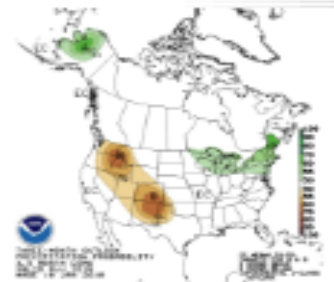
**Mar-Apr-May
2018**



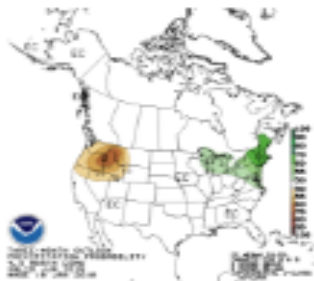
**Apr-May-Jun
2018**



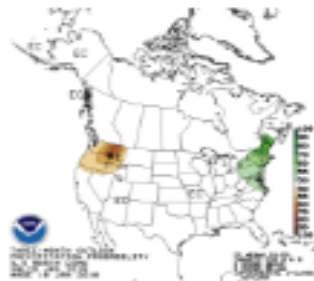
**May-Jun-Jul
2018**



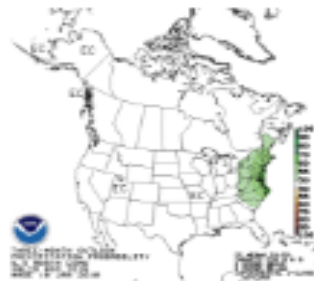
**Jun-Jul-Aug
2018**



**Jul-Aug-Sep
2018**



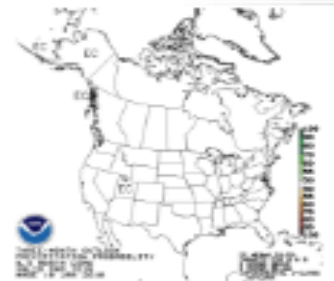
**Aug-Sep-Oct
2018**



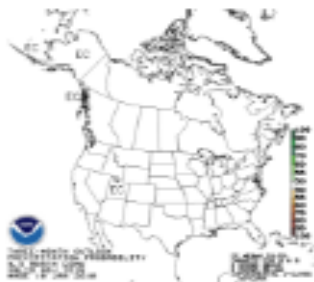
**Sep-Oct-Nov
2018**



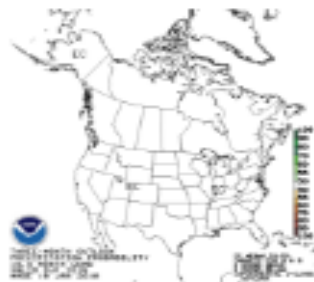
**Oct-Nov-Dec
2018**



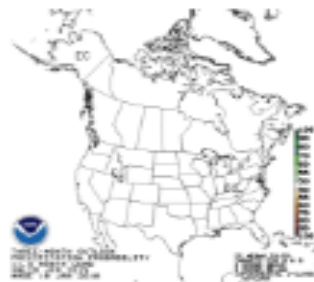
**Nov-Dec-Jan
2018/19**



**Dec-Jan-Feb
2018/19**



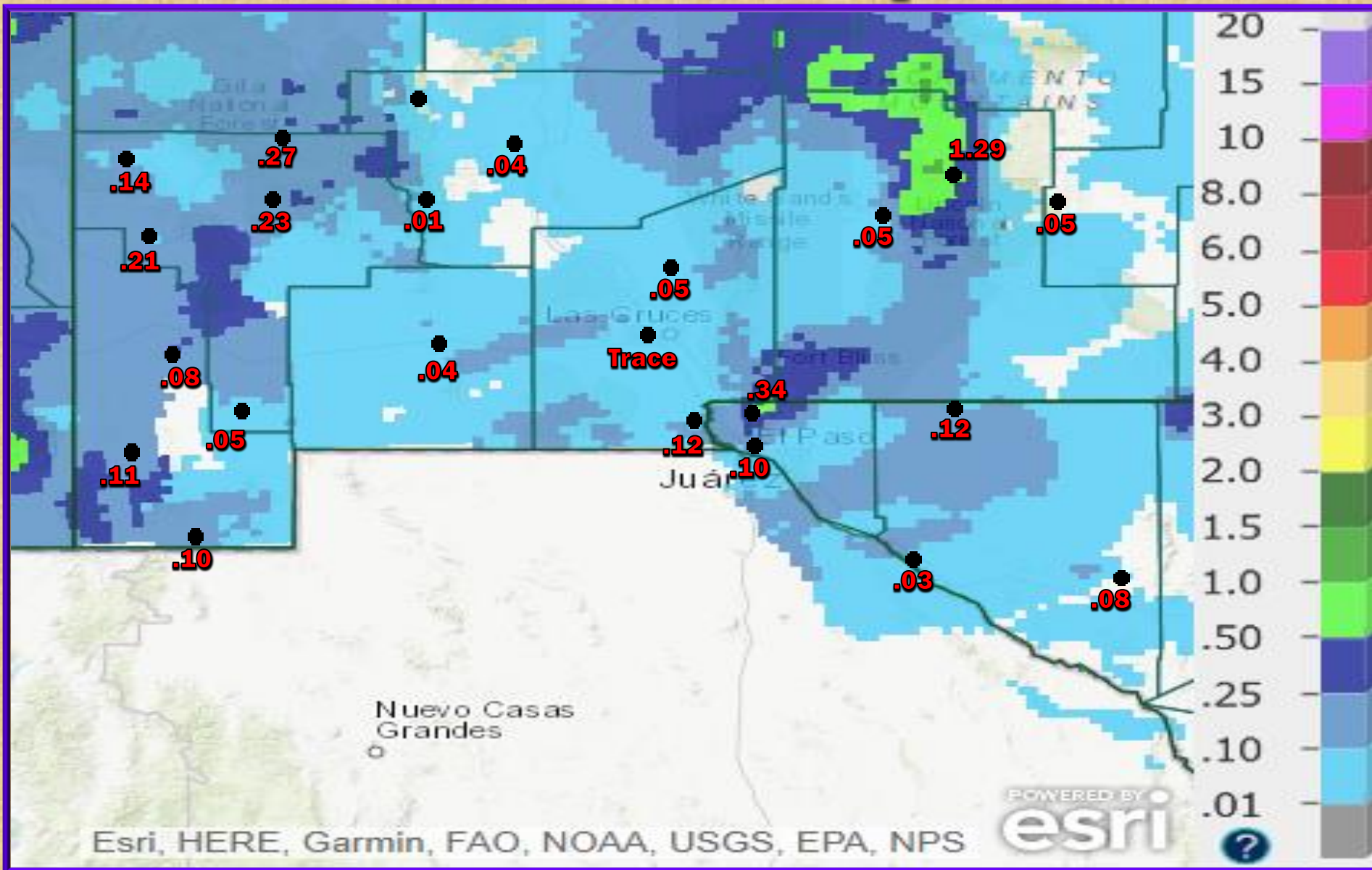
**Jan-Feb-Mar
2019**



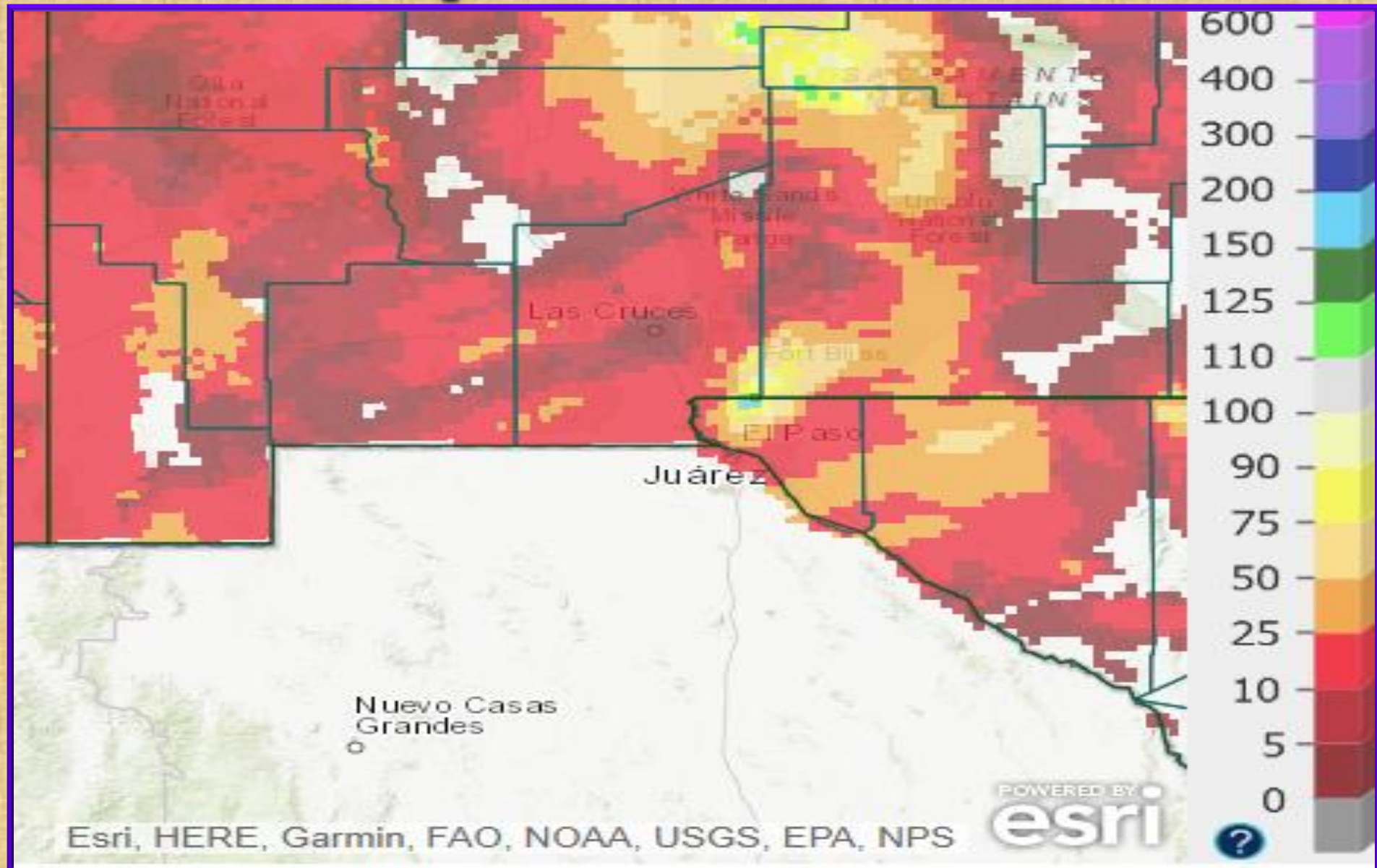
**Feb-Mar-Apr
2019**



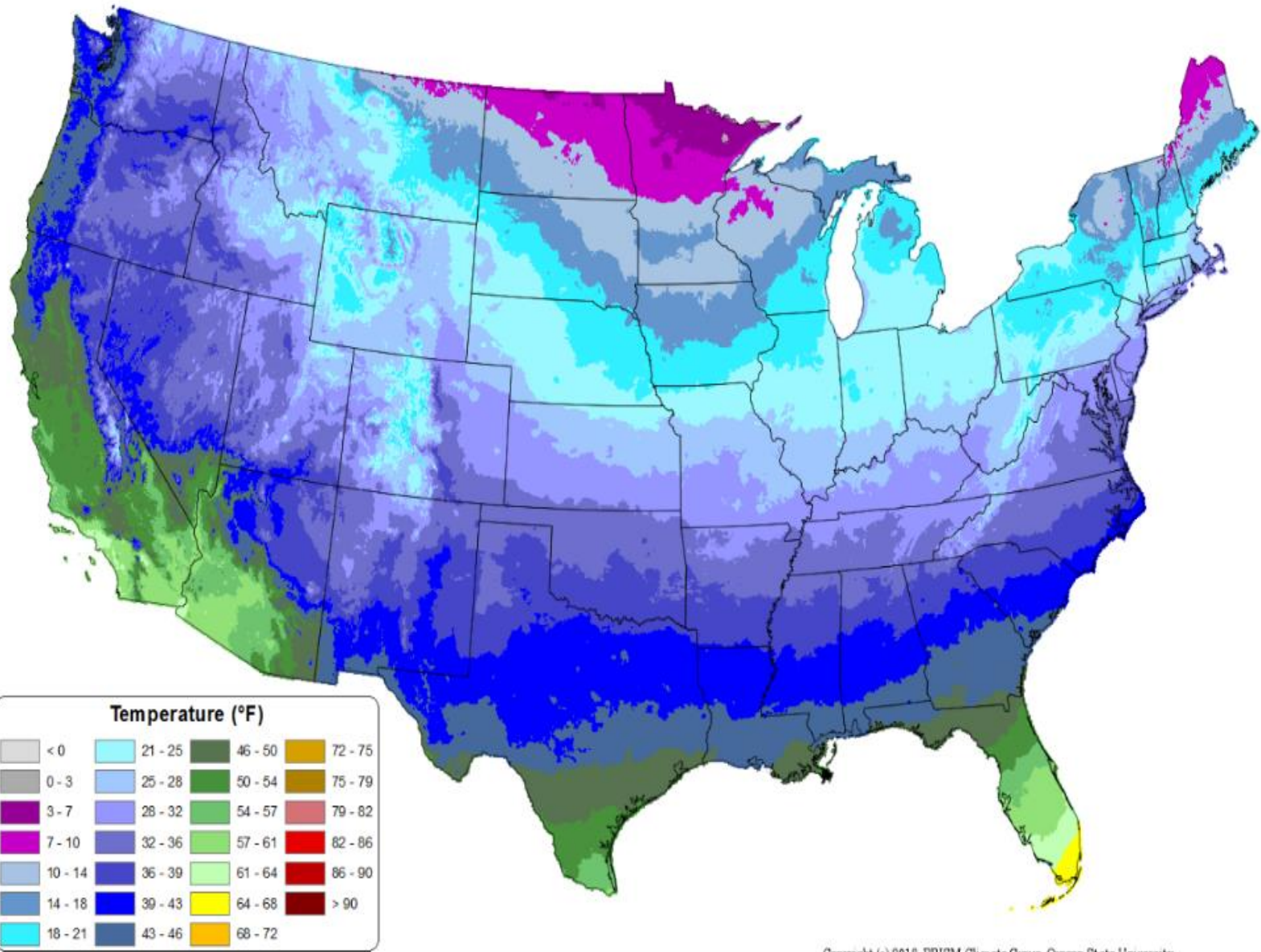
January 2018 radar rainfall estimate with surface rainfall reports



January 2018 radar rainfall estimate percent of normal



Average Daily Mean Temperature for January 2018

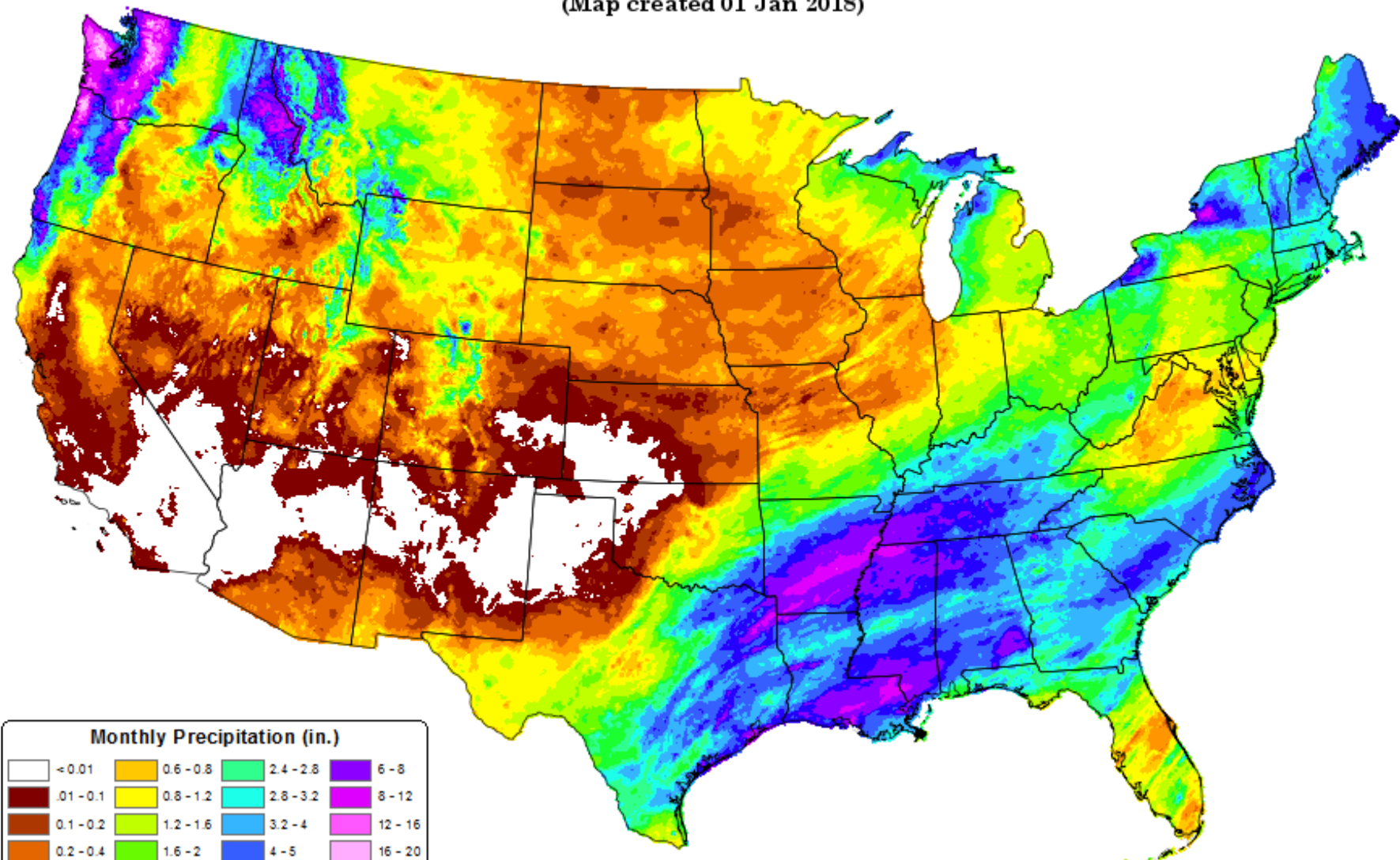


Total Precipitation for January 2018

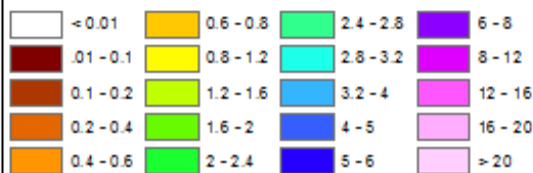
Total Precipitation: 01 December 2017 - 31 December 2017

Period ending 7 AM EST 31 Dec 2017

(Map created 01 Jan 2018)



Monthly Precipitation (in.)



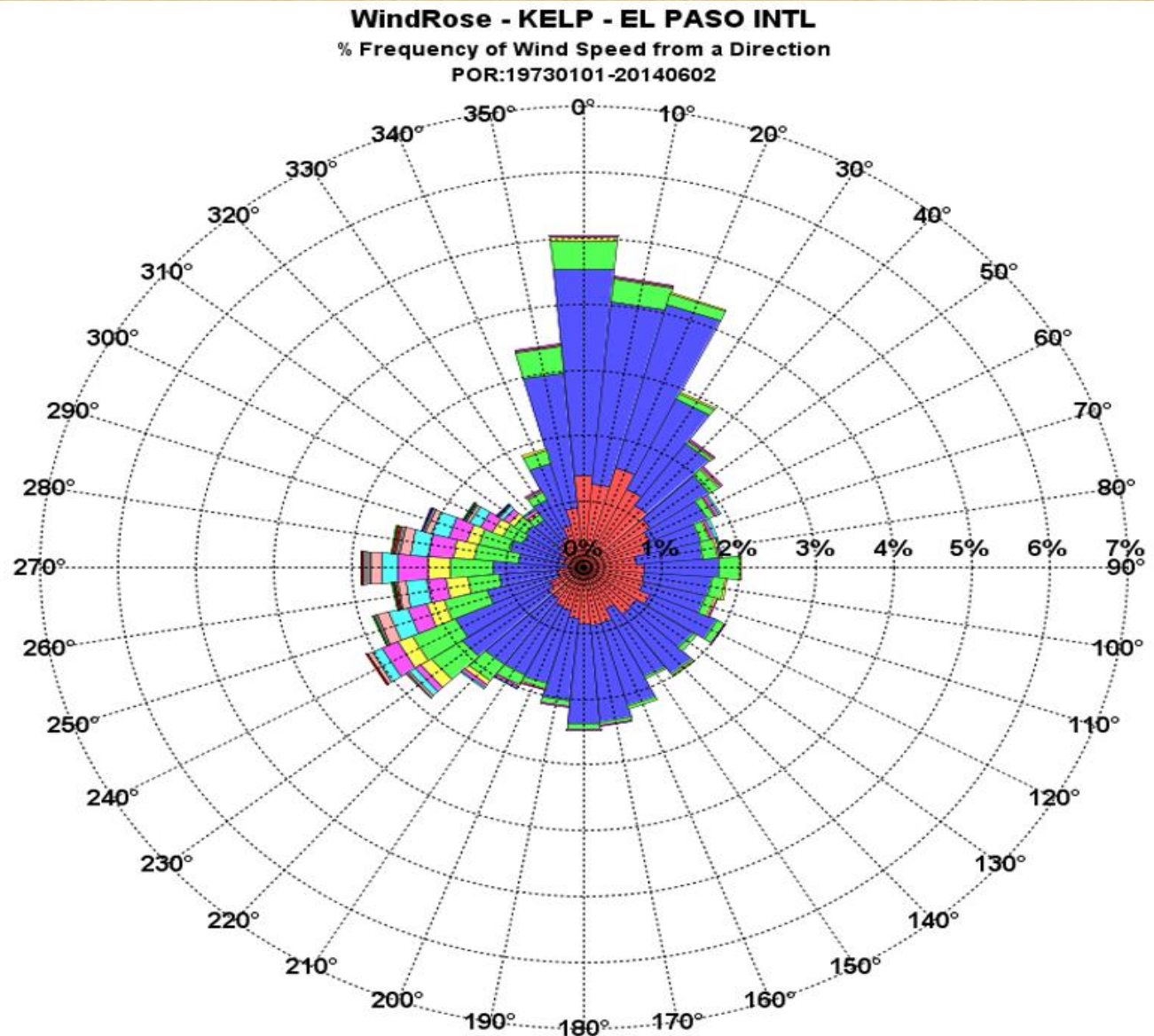
Special Features

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

Month: JANUARY

Calm: 13.27%

Variable: 1.45%



Selected weather reports January 2018


Date/Time	Location (County)	Event
JAN 11 130 PM	SAN AUGUSTIN PASS-DONA ANA	PK WIND 74 MPH
JAN 11 900 PM	EL PASO 9 NEW-EL PASO	PK WIND 68 MPH
JAN 11 651 PM	EL PASO AIRPORT-EL PASO	PK WIND 61 MPH
JAN 11 840 PM	WSMR MAIN POST 1 SE-DONA ANA	PK WIND 61 MPH
JAN 11 500 PM	LAS CRUCES 6SW-DONA ANA	PK WIND 55 MPH
JAN 11 700 PM	CHAPARRAL 2 E-DONA ANA	PK WIND 54 MPH
JAN 11 1258 PM	SIERRA BLANCA 1 SE-HUDSPETH	PK WIND 50 MPH
JAN 11 1101 AM	HIGH ROLLS-OTERO	PK WIND 49 MPH
JAN 11 600 PM	CLOUDCROFT 1SE-OTERO	HEAVY SNOW 5.7 IN
JAN 16 1224 AM	EL PASO 6 NW-EL PASO	PK WIND 57 MPH
JAN 16 1226 AM	DRIPPING SPRINGS-DONA ANA	PK WIND 49 MPH
JAN 16 1240 AM	ROAD FORKS 6NE-HIDALGO	PK WIND 45 MPH
JAN 16 1205 AM	SANTA TERESA 5 SW-DONA ANA	PK WIND 41 MPH

Selected weather reports December 2018

Date/Time	Location (County)	Event
JAN 21 1030 AM	SAN AUGUSTIN PASS-DONA ANA	PK WIND 69 MPH
JAN 21 800 AM	EL PASO 10 NE-EL PASO	PK WIND 56 MPH
JAN 21 755 AM	WSMR MAIN POST-DONA ANA	PK WIND 51 MPH
JAN 21 1259 AM	SUNSPOT 1S-OTERO	PK WIND 51 MPH
JAN 21 1252 AM	DELL CITY 1N-HUDSPETH	PK WIND 49 MPH
JAN 21 1135 AM	LAS CRUCES AIRPORT-DONA ANA	PK WIND 48 MPH
JAN 21 843 AM	EL PASO AIRPORT-EL PASO	PK WIND 47 MPH
JAN 21 1026 AM	DRIPPING SPRINGS-DONA ANA	PK WIND 45 MPH
JAN 21 701 AM	MAYHILL 1NE-OTERO	PK WIND 45 MPH
JAN 21 957 AM	HIGH ROLLS 1SW-OTERO	PK WIND 45 MPH
JAN 21 310 PM	TULAROSA 19NW-OTERO	PK WIND 45 MPH
JAN 21 1000 AM	CHAPARRAL 2E-DONA ANA	PK WIND 44 MPH
JAN 21 136 AM	FAYWOOD-GRANT	PK WIND 43 MPH

Selected weather reports January 2018

Date/Time	Location (County)	Event
JAN 21 1044 AM	RADIUM SPRINGS-DONA ANA	PK WIND 42 MPH
JAN 21 250 PM	DEMING AIRPORT-DONA ANA	PK WIND 42 MPH
JAN 21 1200 PM	OROGRANDE 4NW-OTERO	PK WIND 42 MPH



NATIONAL WEATHER SERVICE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

[HOME](#)
[FORECAST](#)
[PASTWEATHER](#)
[SAFETY](#)
[INFORMATION](#)
[EDUCATION](#)
[NEWS](#)
[SEARCH](#)
[ABOUT](#)

Local forecast by "City, St" or ZIP code

[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 >](#)

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



Local forecast by "City, St" or ZIP code

[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 >](#)

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 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	

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.