

January 2017 Weather Digest



January 2017 Weather Summary

January 2017 started out fairly active with snow in the Sacramento Mountains and even a hail storm (hail not snow) in El Paso. Then as the month progressed, severe thunderstorms (remember this is January not July) rolled through the Borderland on January 14th producing quarter size hail (1 inch diameter) in Luna, Dona Ana, and Otero counties. This storm system produced more snow at Cloudcroft with lingering rain and wetness through January 18th when it cleared out and produce a nice morning fog event across most of the lower elevations of the Borderland especially along the Rio Grande.

As the month progressed, more snow hit especially the northern portions of the Borderland on January 21 with snow roads causing accidents around Truth or Consequences and heavy snow near Gila Hot Springs in the Copperas Vista area which received 11 inches of the white stuff. The same storm system brought high damaging winds to the southern parts of area with 60-70 mph winds measured in Dona Ana and el Paso Counties.

January 2017 Weather Summary (cont'd)

January was under the influence of a weak La Nina (which acted more like an El Nino) and now is fading into neutral conditions.

There is no real drought conditions in Southern new Mexico and Far West Texas at this time except for a few areas of abnormally dry conditions. The real good news is that the snowfall over the mountains of Northern new Mexico and Southern Colorado was fairly good which bodes well for our future water supply. (see charts below)

Overall across the area January rainfall was above normal with many most areas reporting from 1 to 2.5 inches.

Cloudfroft Jan 1



Organ Mtns Jan 1



El Paso Jan 1



Hail at El Paso Jan 1



Hail at Mesilla Jan 14



Hail at Las Cruces Jan 14



Hail at Las Cruces Jan 14



Hail at Las Cruces Jan 14



Cloudcroft Jan 15



© CloudcroftWebcam.com Sun Jan 15, 2017 07:40:13 AM

Cloudcroft Jan 15



El Paso Jan 18



Santa Teresa Jan 18



Truth of Consequences Jan 21



**Copperas Vista Jan 21
11" snow**



Santa Teresa Jan 19



El Paso Jan 21



La Niña Advisory in effect

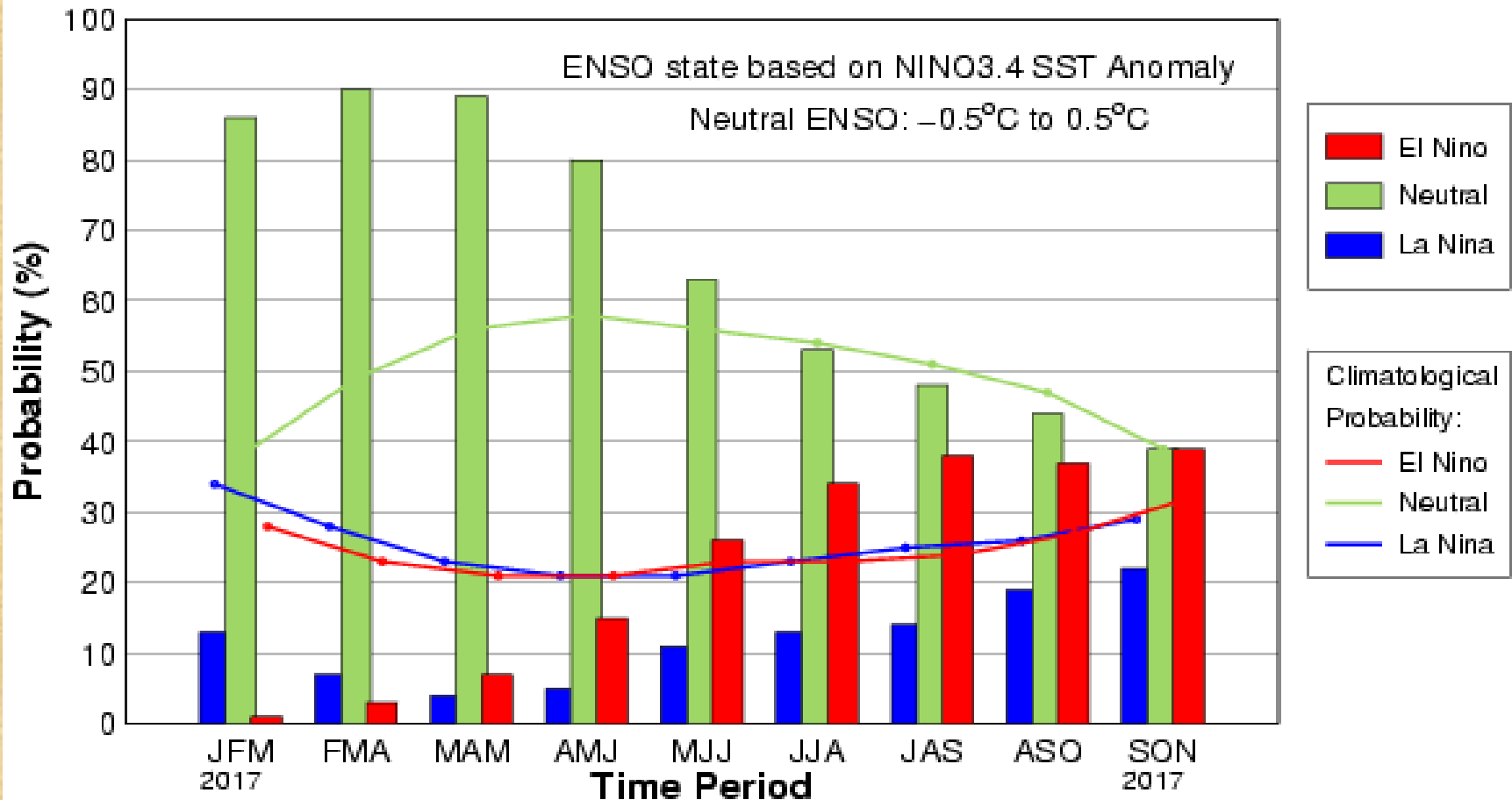
ENSO Alert System

- **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 from February through the end of Fall of 2017

ENSO IS NOW IN A **WEAK LA NIÑA** EPISODE. EXPECTED TO GO TO NEUTRAL BY THE END OF FEBRUARY

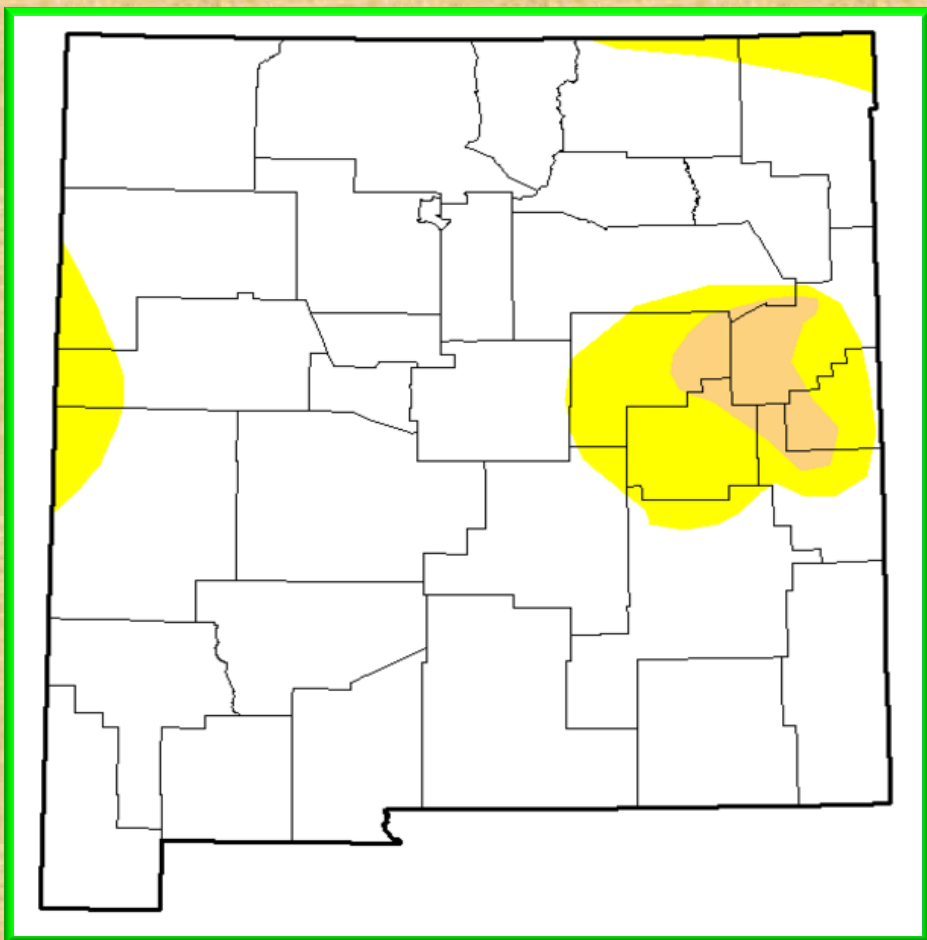
Mid-Jan IR/CPC Model-Based Probabilistic ENSO Forecast



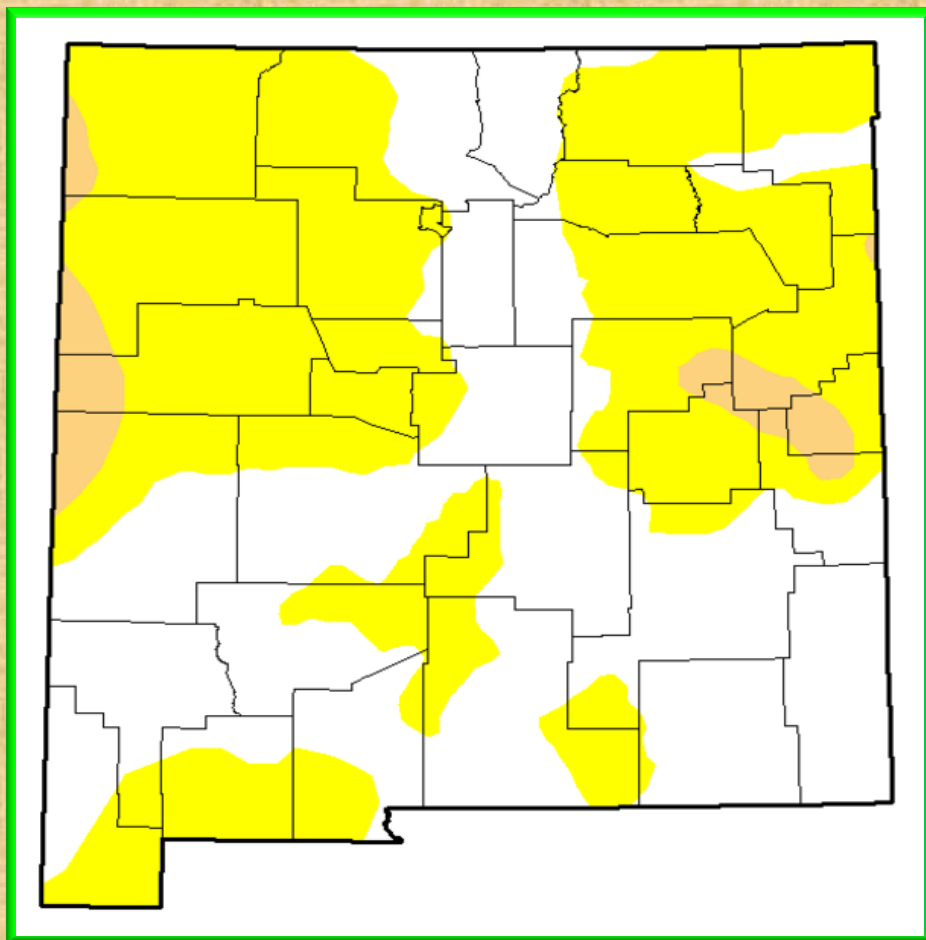
Current drought conditions for New Mexico and 3 month change

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

January 26, 2017



October 27, 2016



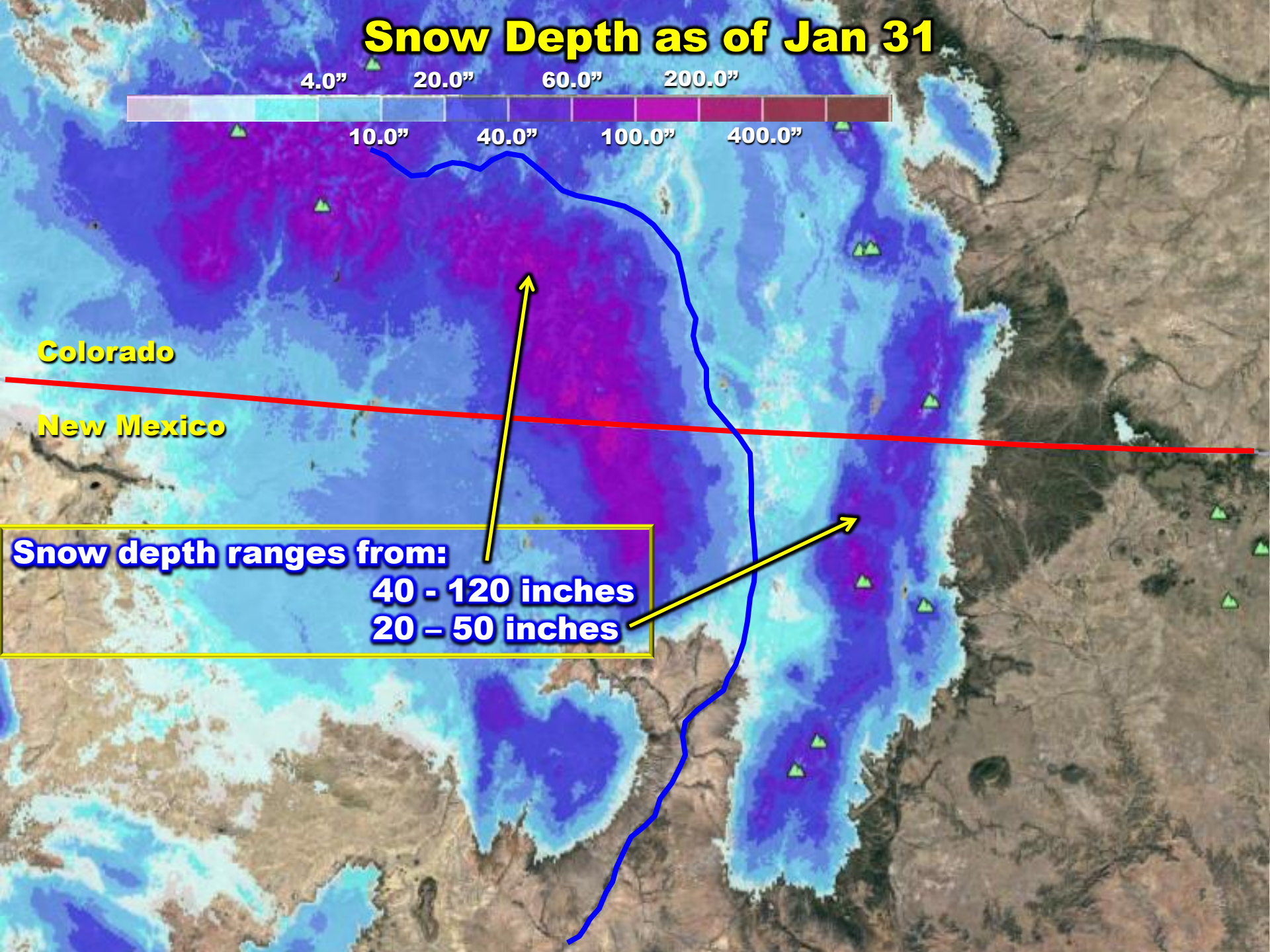
Snow Depth as of Jan 31



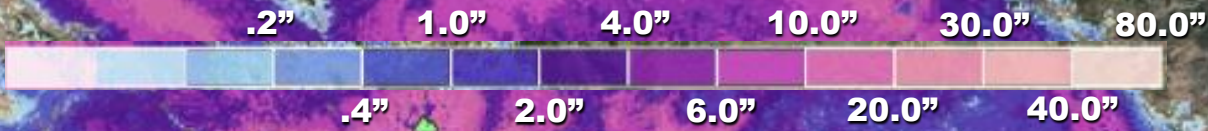
Colorado

New Mexico

Snow depth ranges from:
40 - 120 inches
20 - 50 inches



Snow Water Equivalent as of Jan 31



Colorado






New Mexico

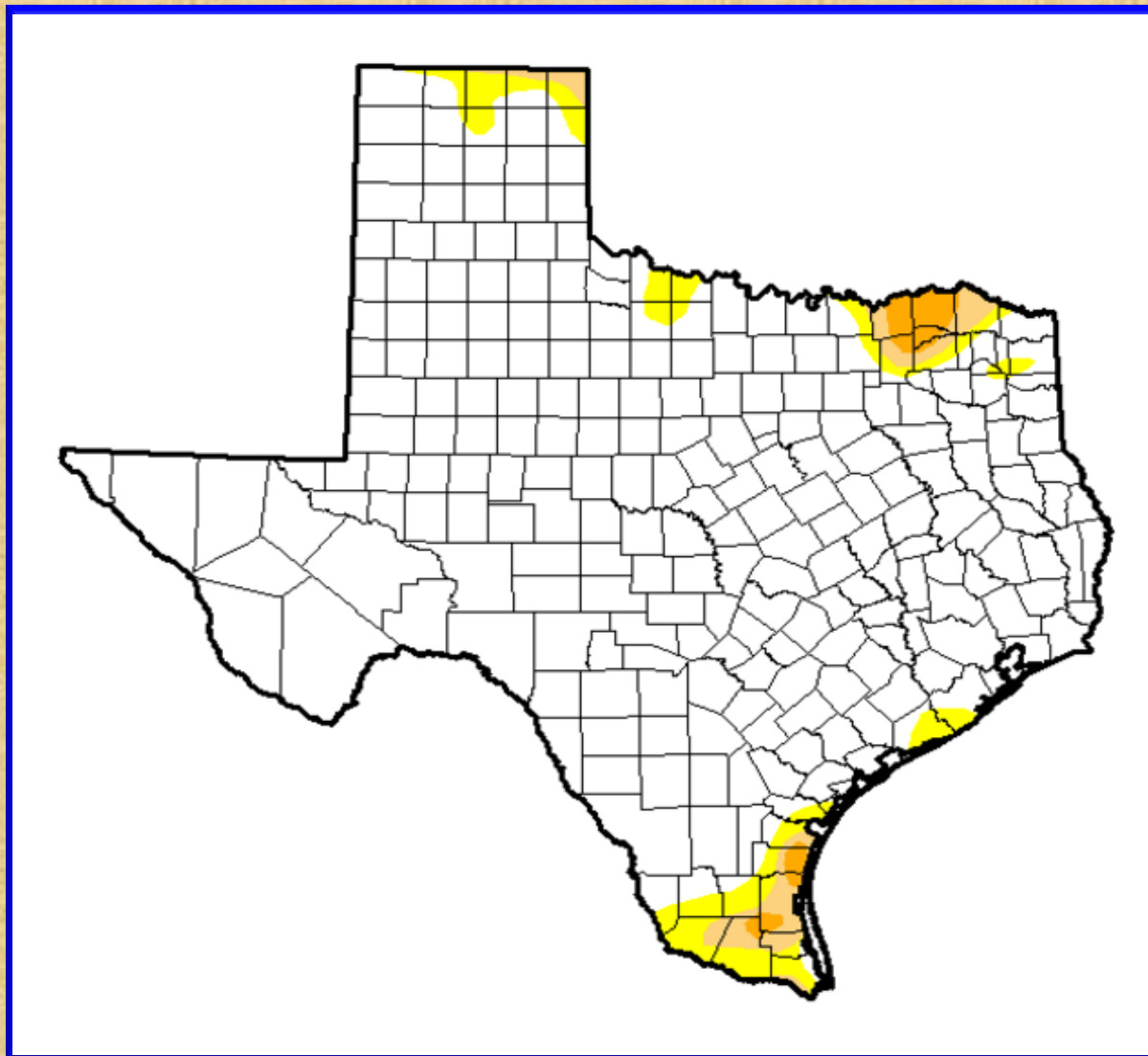
**Snow water equivalent across
the upper basin ranges from
130 - 200% of normal**

Albuquerque

Current drought conditions for Texas as of January 26, 2016

Intensity:

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



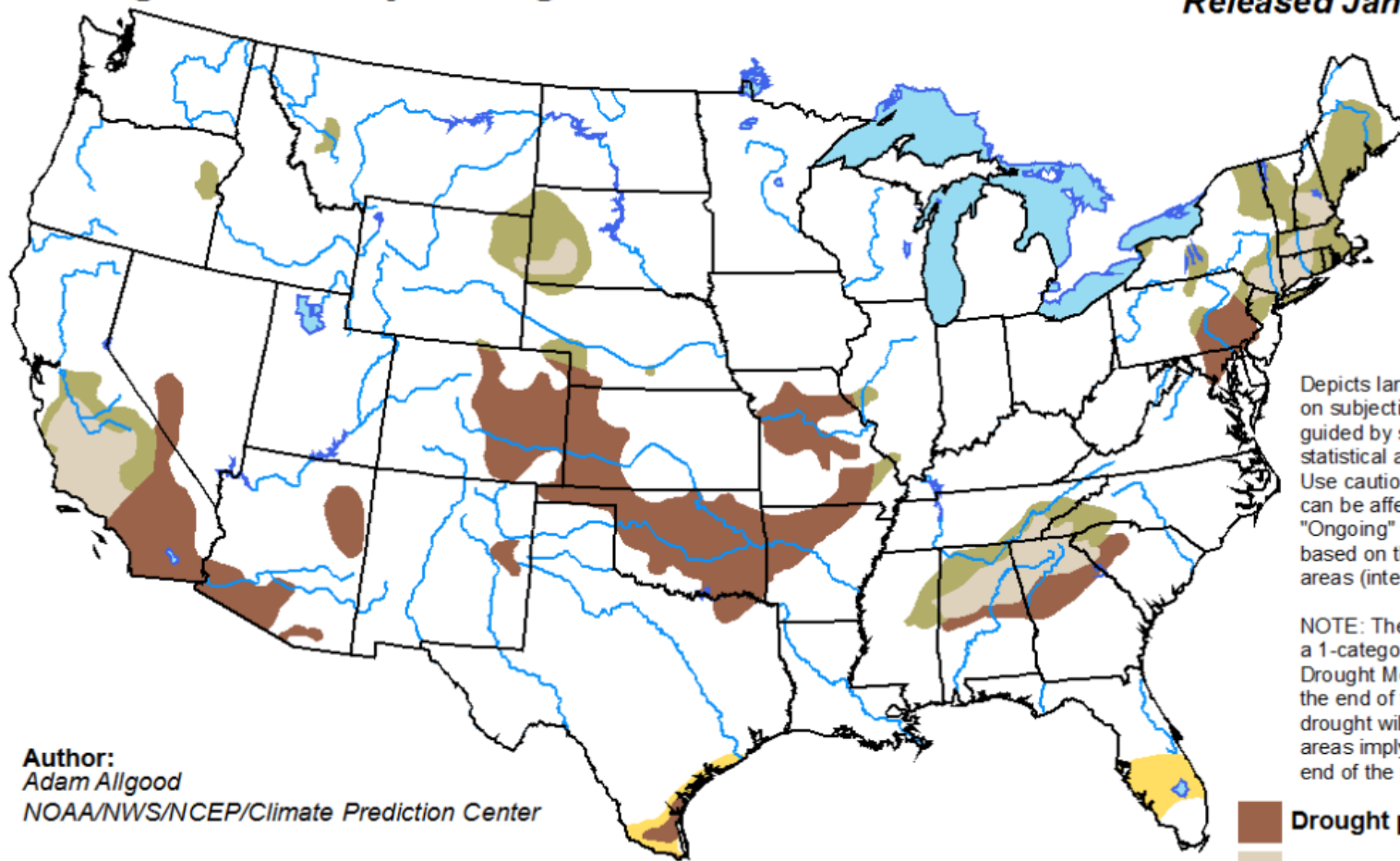
Build your own custom slider maps here at:

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

U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period




Valid for February 2017
Released January 31, 2017

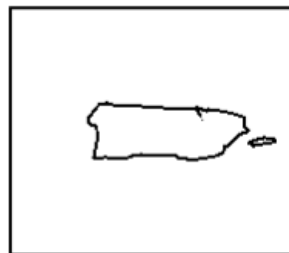
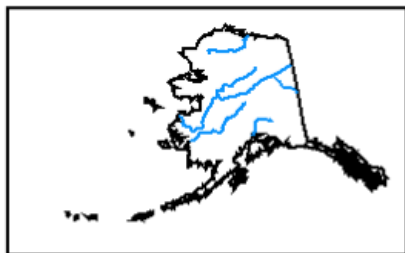


Author:
Adam Allgood
NOAA/NWS/NCEP/Climate Prediction Center

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).

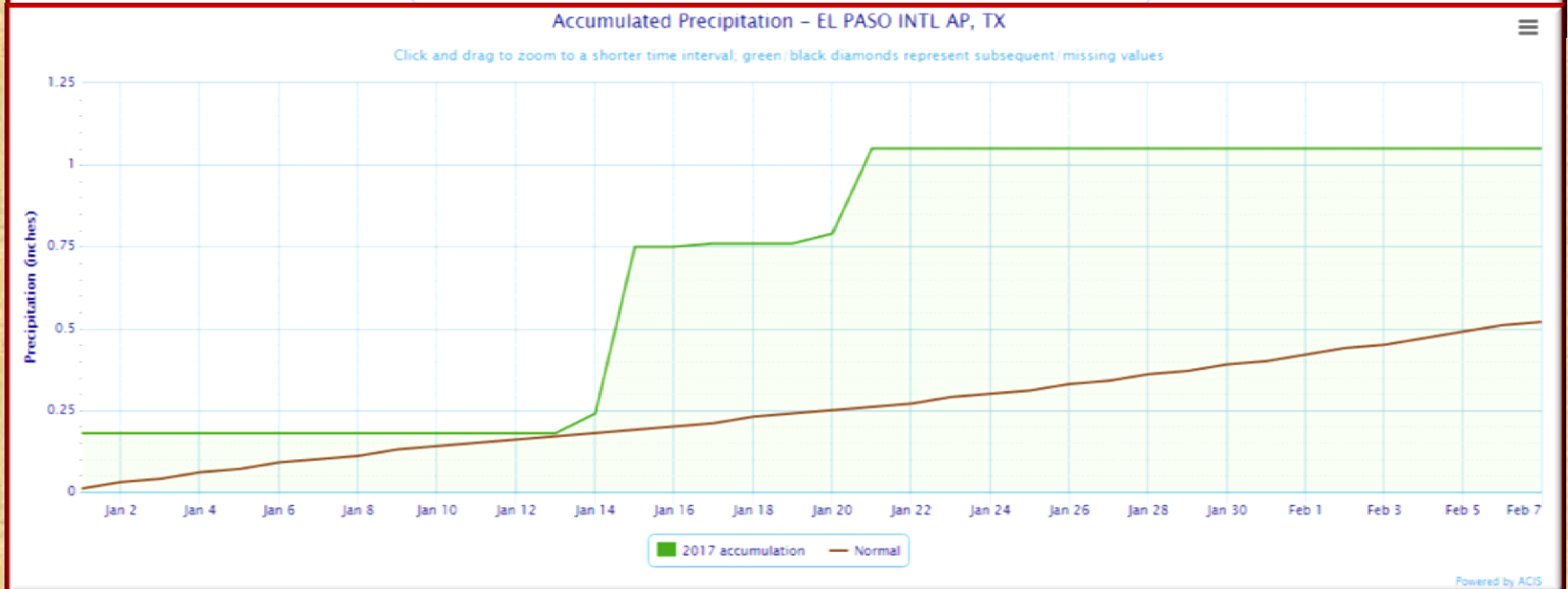
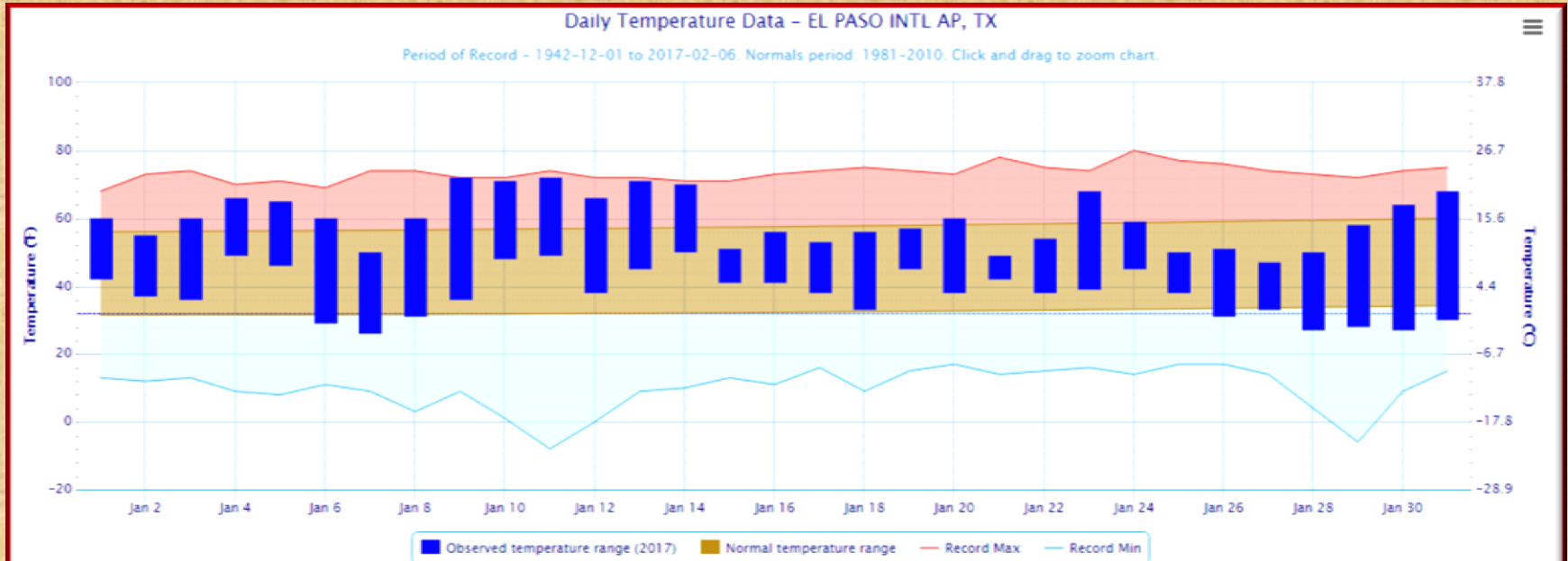
NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

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



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

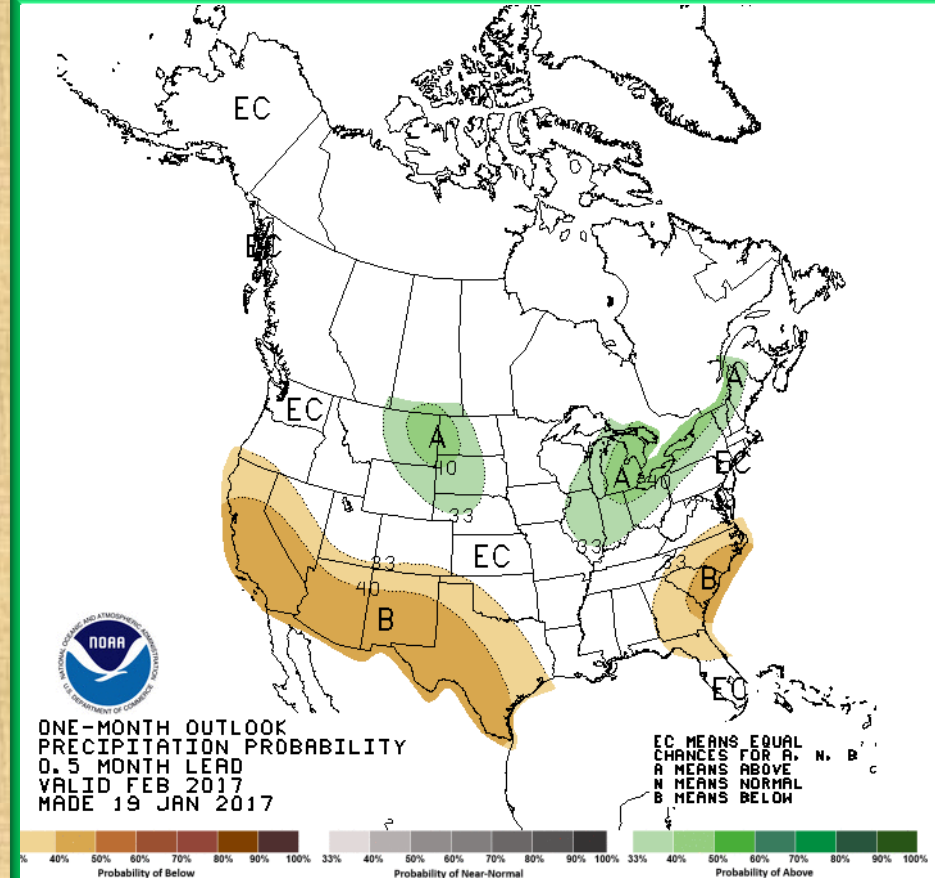
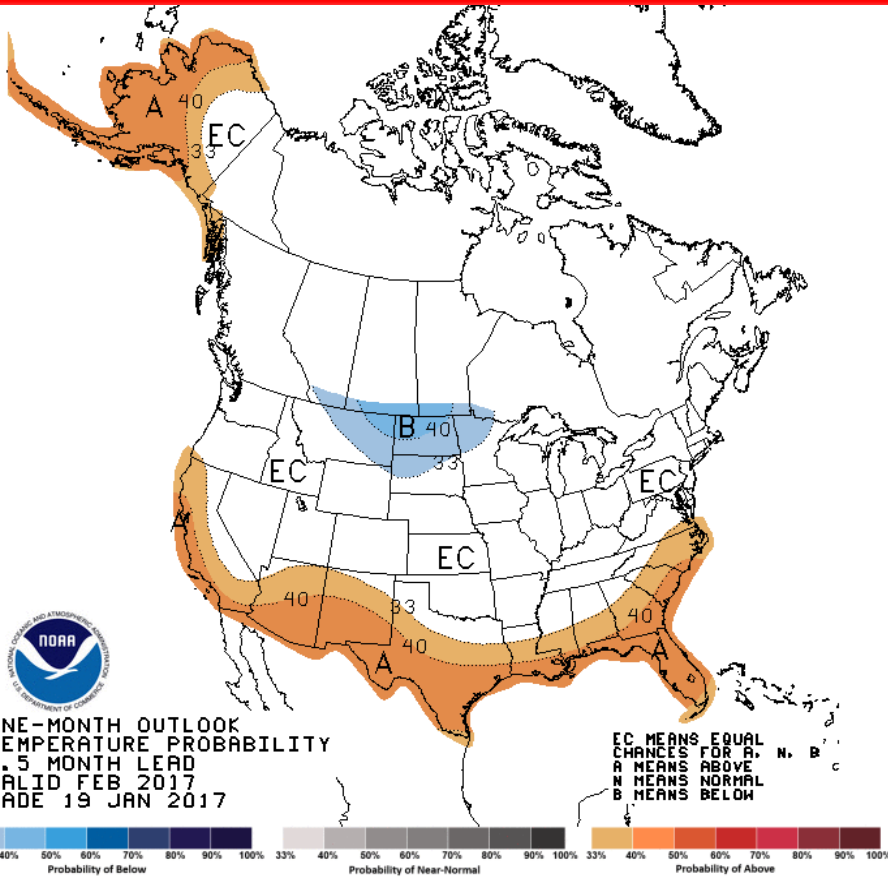
Temperature and precipitation data for January 2017 in El Paso



Temperature and precipitation outlook for February 2017

Temperature

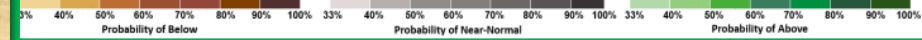
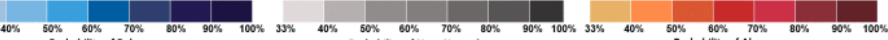
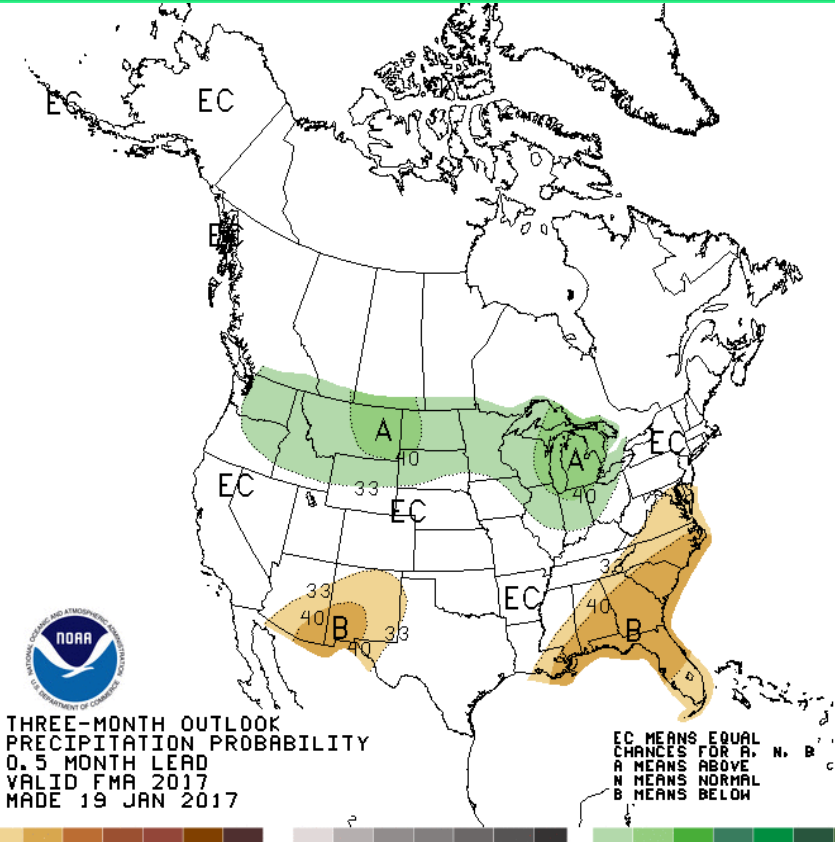
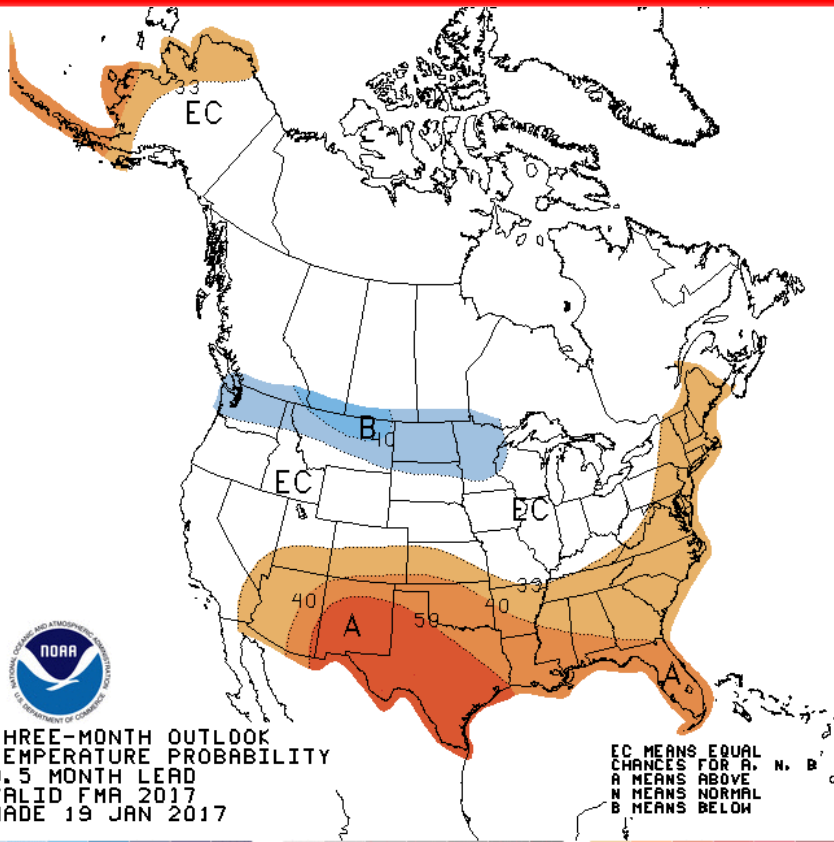
Precipitation



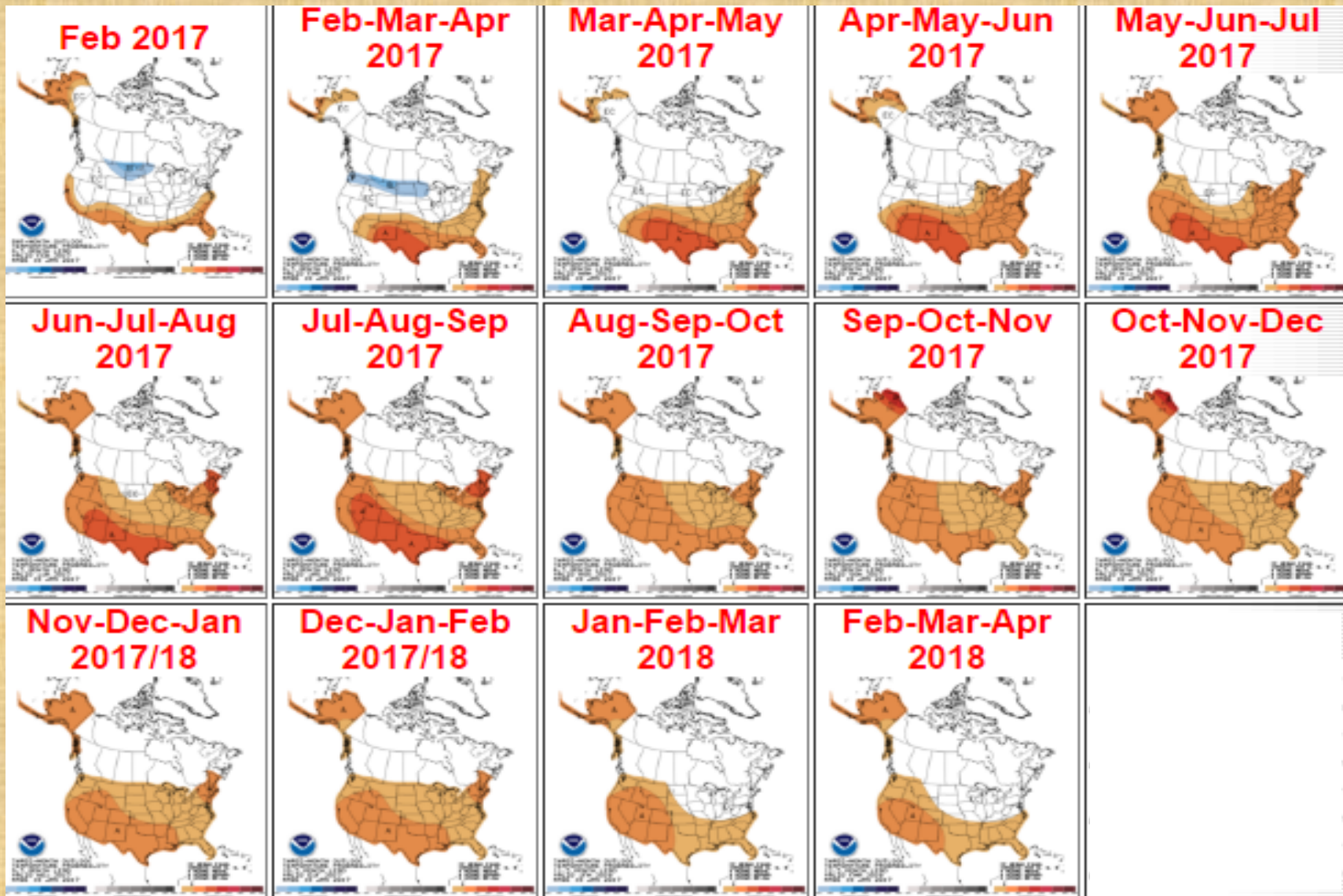
Temperature and precipitation outlook For Feb – Apr 2017

Temperature

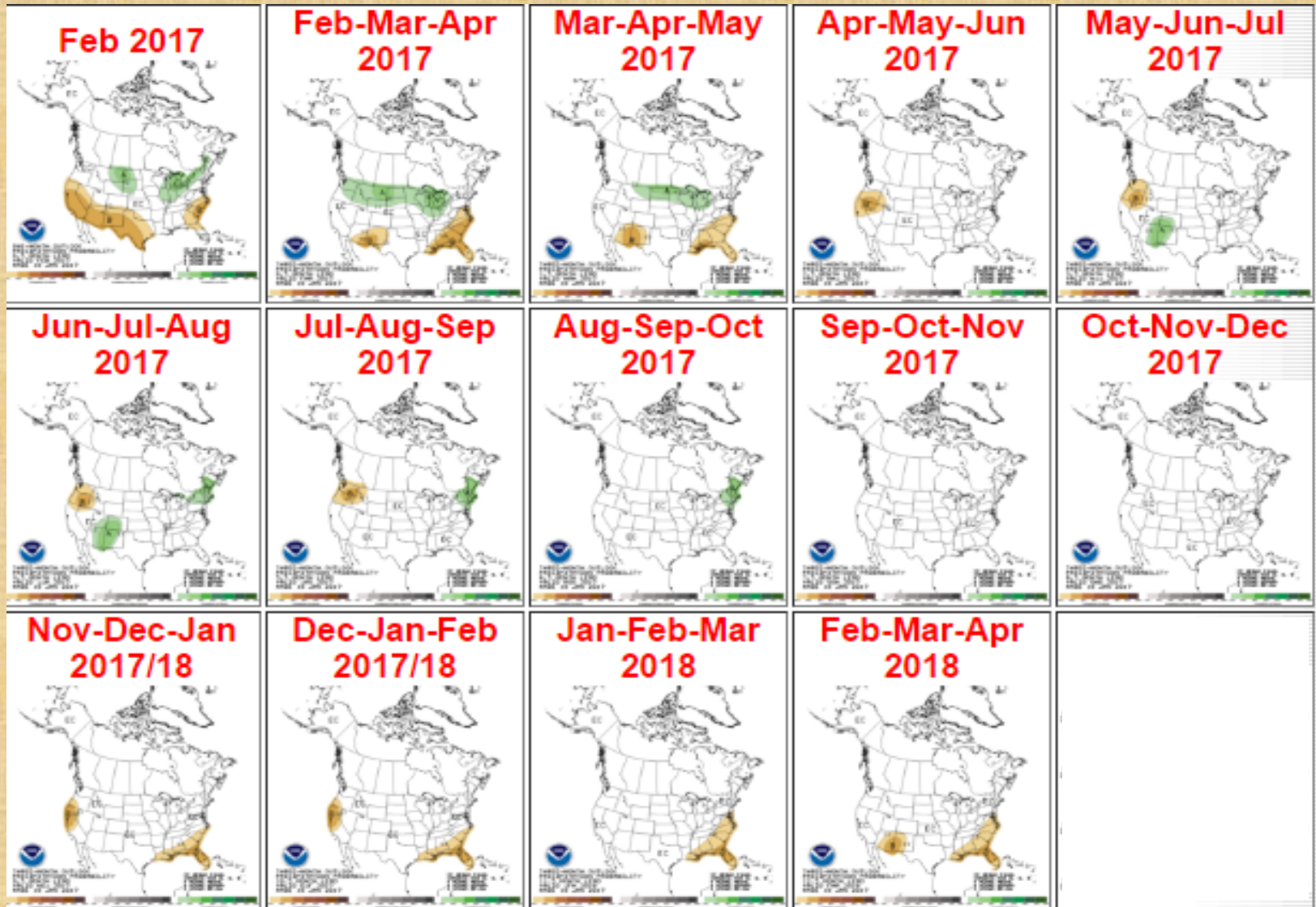
Precipitation



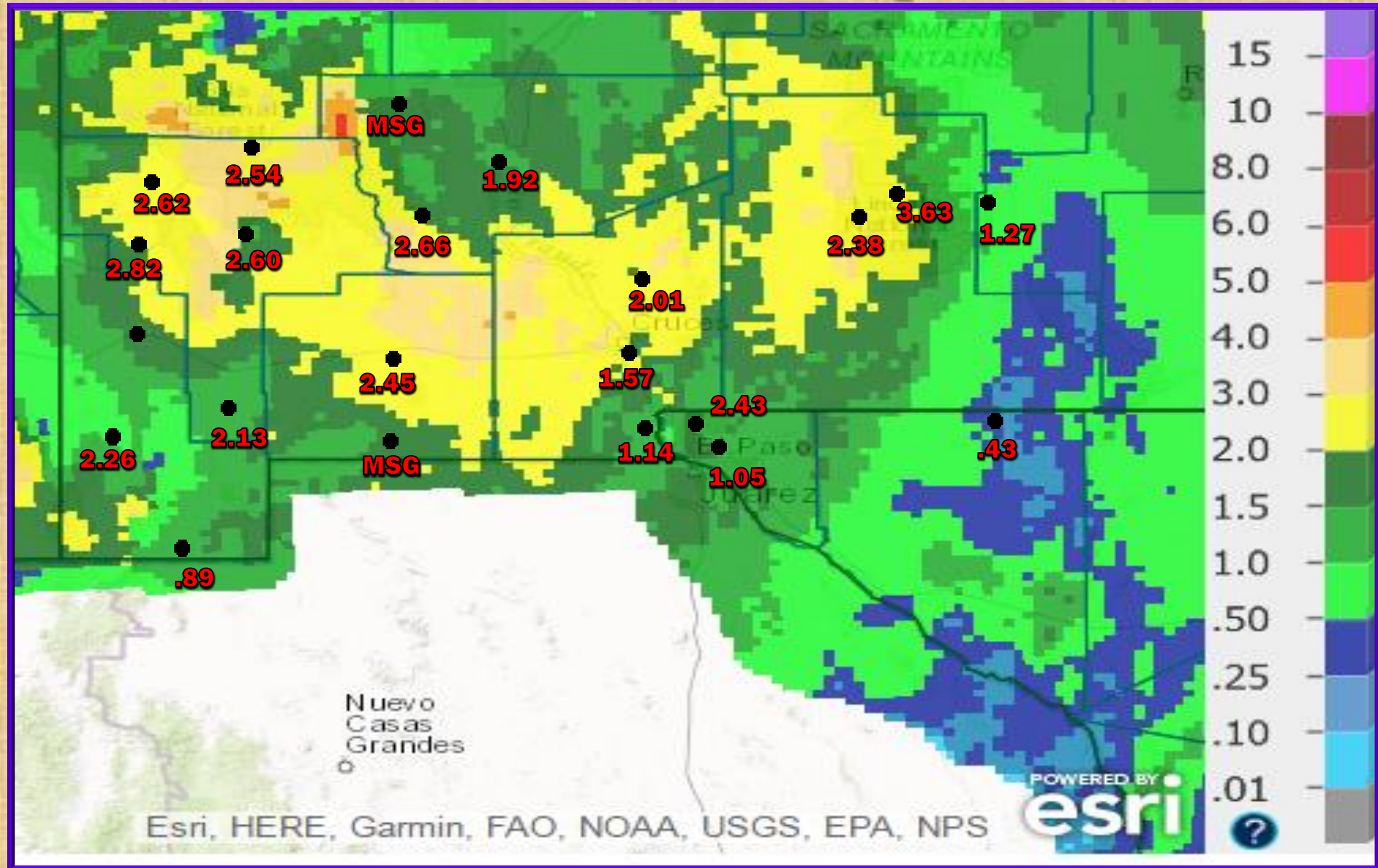
Temperature Outlook Through April 2018



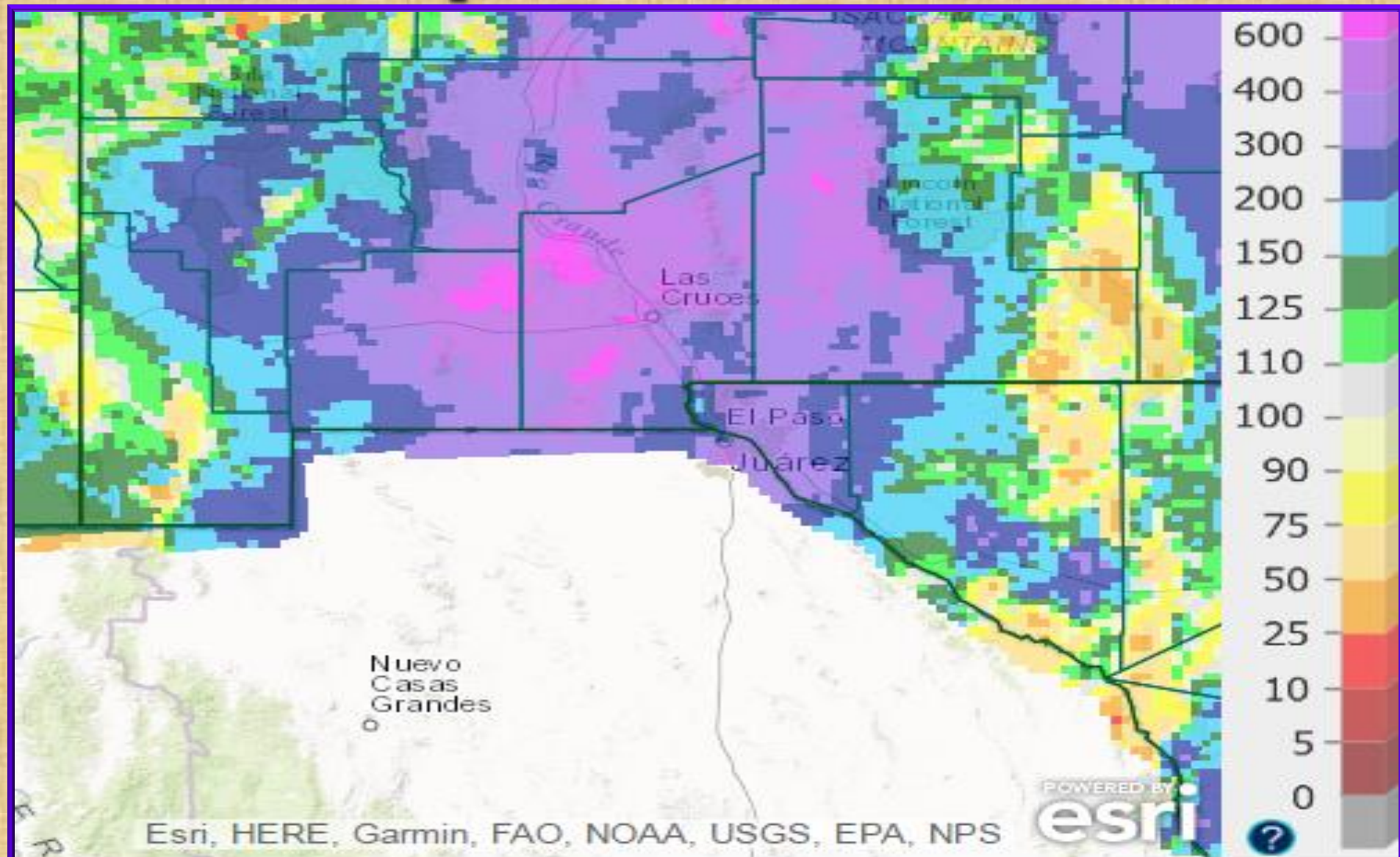
Precipitation Outlook Through April 2018



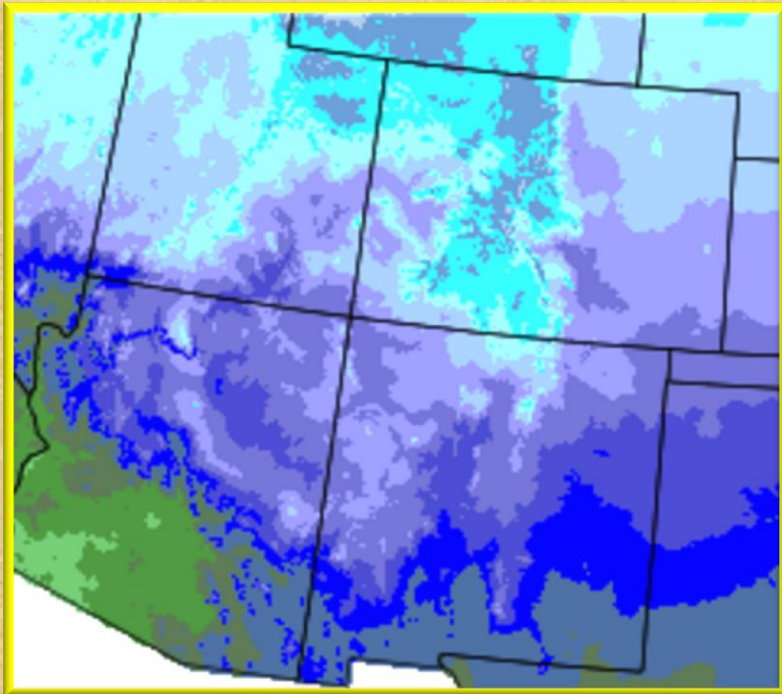
January 2017 radar rainfall estimate with surface rainfall reports



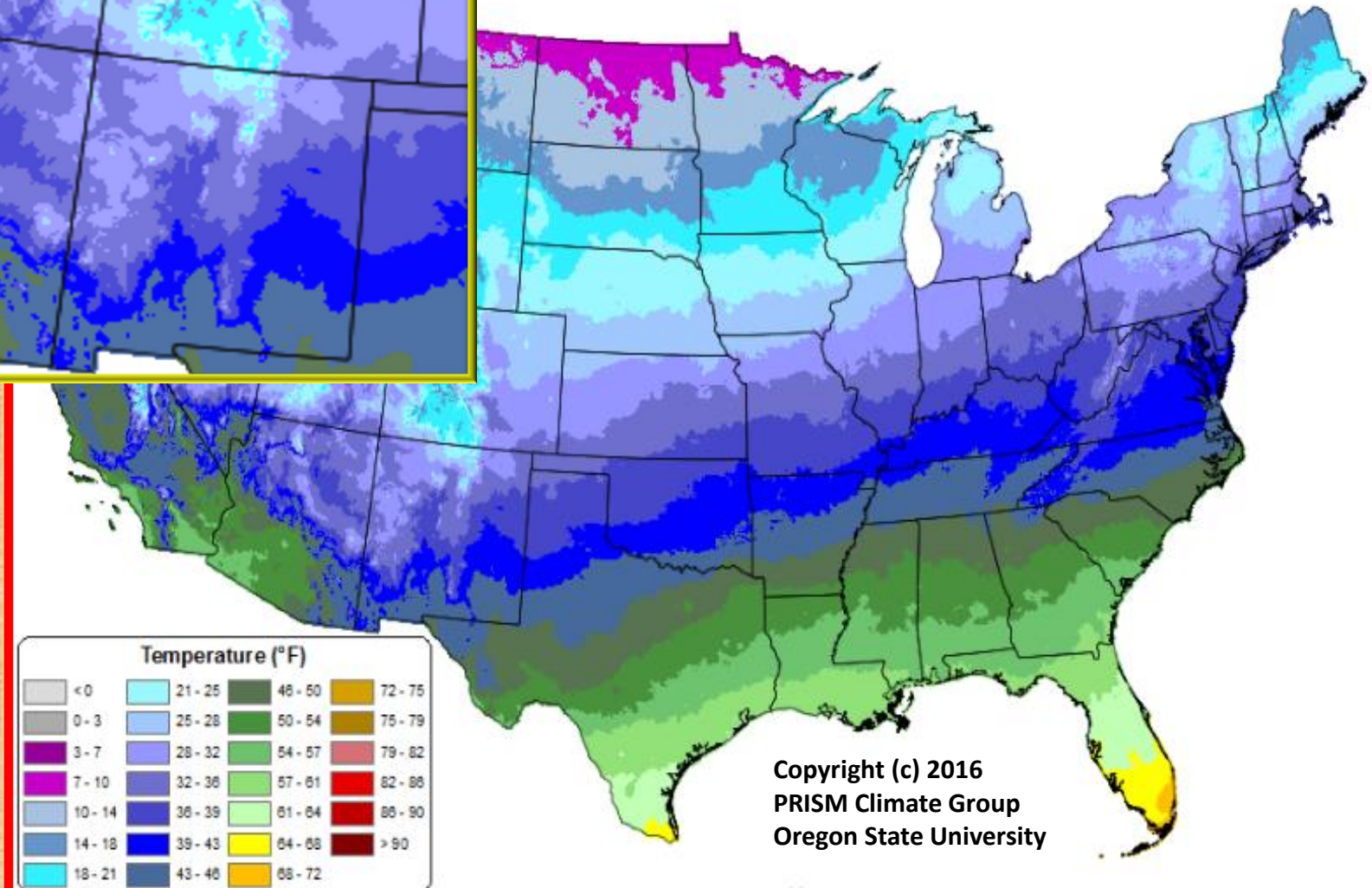
January 2017 radar rainfall estimate percent of normal



Average Daily Mean Temperature for January 2017



Temperature: 01 January 2017 - 31 January 2017
Period ending 7 AM EST 31 Jan 2017
(Map created 01 Feb 2017)



Temperature (°F)					
< 0	21 - 25	48 - 50	72 - 75		
0 - 3	25 - 28	50 - 54	75 - 79		
3 - 7	28 - 32	54 - 57	79 - 82		
7 - 10	32 - 36	57 - 61	82 - 88		
10 - 14	36 - 39	61 - 64	88 - 90		
14 - 18	39 - 43	64 - 68	> 90		
18 - 21	43 - 46	68 - 72			

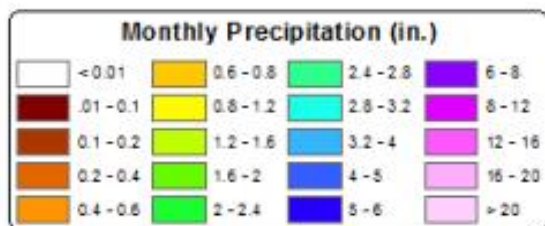
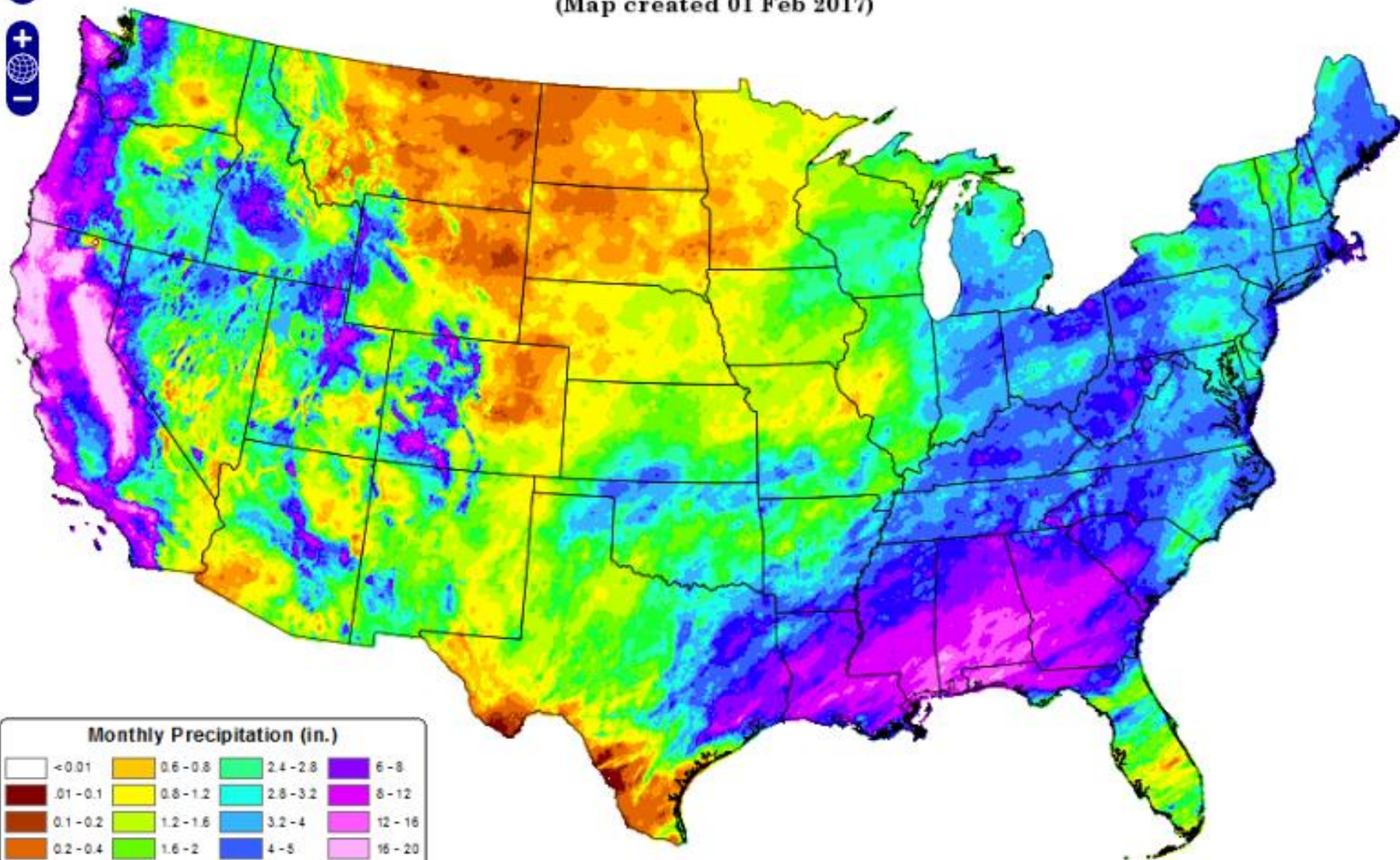
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PRISM Climate Group
Oregon State University

Total Precipitation for January 2017

Total Precipitation: 01 January 2017 - 31 January 2017

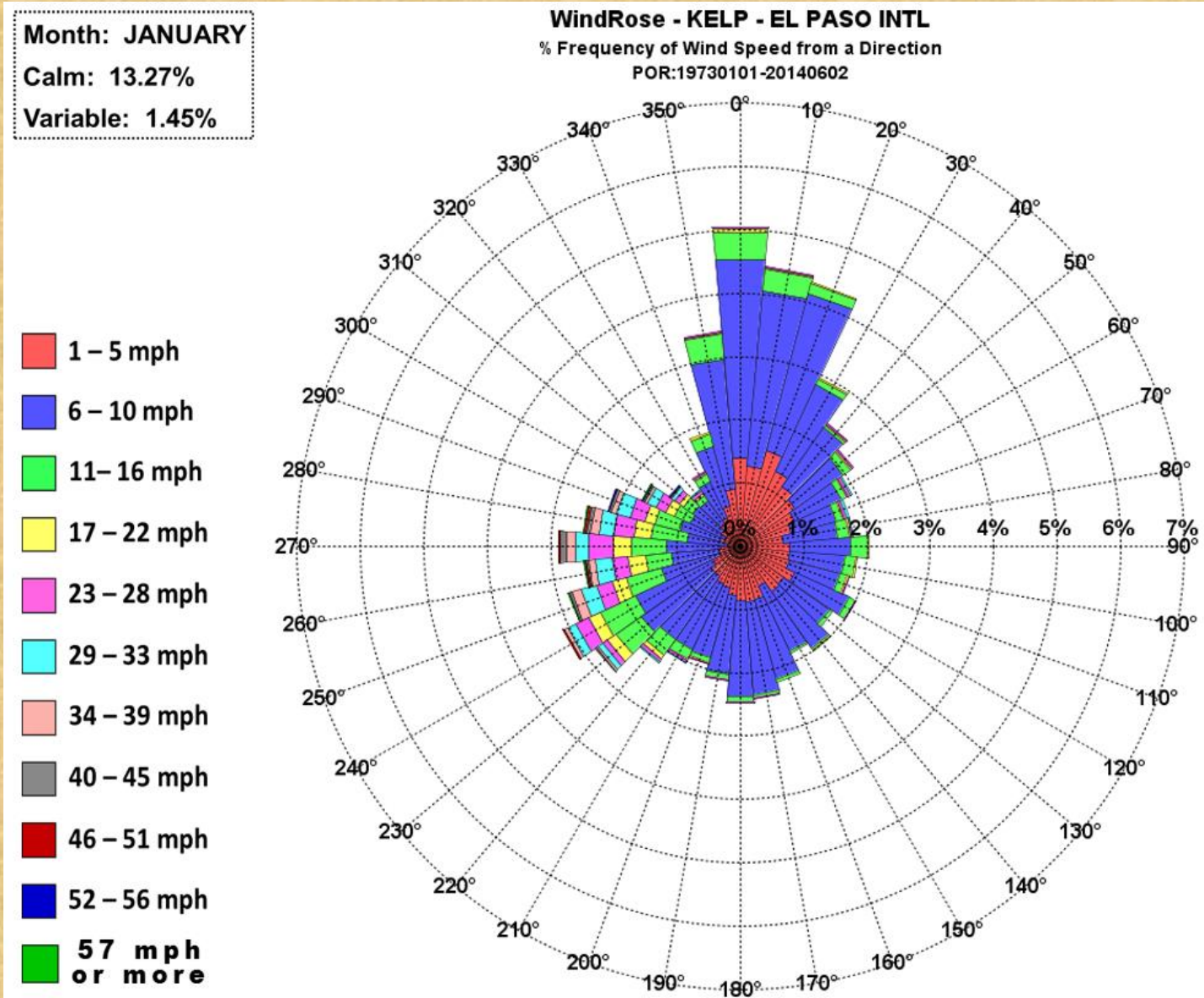
Period ending 7 AM EST 31 Jan 2017

(Map created 01 Feb 2017)



Special Features

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



Selected weather reports January 2016

Date/Time	Location (County)	Event
1/14/2017 600 PM	MESILLA-DONA ANA CO	1.00 INCH HAIL
1/14/2017 605 PM	LAS CRUCES-DONA ANA CO	1.00 INCH HAIL
1/14/2017 600 PM	HOLLOMAN AFB-OTERO CO	1.00 INCH HAIL
1/14/2017 600 PM	ALAMOGORDO 2N-OTERO CO	1.25 INCH HAIL
1/16/2017 1031 AM	MCKNIGHT CABIN-GRANT CO	15.0 INCHES SNOW
1/16/2017 1031 AM	SIGNAL PEAK-GRANT CO	5.0 INCHES SNOW
1/16/2017 700 AM	CLOUDCROFT 2S-OTERO CO	7.5 INCHES SNOW
1/16/2017 1031 AM	LOOKOUT MTN-SIERRA CO	10.0 INCHES SNOW
1/16/2017 703 AM	MESILLA 3SW-DONA ANA CO	2.65 INCHES OF RAIN
1/16/2017 702 AM	LA LUZ-OTERO CO	2.31 INCHES OF RAIN
1/16/2017 700 AM	LAS CRUCES 2NW-DONA ANA CO	2.23 INCHES OF RAIN
1/16/2017 321 PM	COLUMBUS-LUNA CO	2.17 INCHES OF RAIN
1/16/2017 800 AM	HATCH 2SE-DONA ANA CO	2.11 INCHES OF RAIN
1/16/2017 700 AM	HILLSBORO-SIERRA CO	2.10 INCHES OF RIAN

Selected weather reports January 2017

Date/Time	Location (County)	Event
1/16/2017 700 AM	BAYARD 3N-GRANT CO	2.07 INCHES OF RAIN
1/16/2017 700 AM	TYRONE 13SW-GRANT CO	2.07 INCHES OF RAIN
1/16/2017 700 AM	SAN LORENZO 17E-GRANT CO	2.07 INCHES OF RAIN
1/16/2017 700 AM	ELEPHANT BUTTE 1NE-SIERRA CO	2.07 INCHES OF RAIN
1/16/2017 600 AM	DEMING 19NE-DONA ANA CO	2.03 INCHES OF RAIN
1/16/2017 650 AM	ALAMOGORDO 4SW-OTERO CO	1.86 INCHES OF RAIN
1/16/2017 800 AM	SILVER CITY 2NE-GRANT CO	1.83 INCHES OF RAIN
1/16/2017 800 AM	REDROCK 12E-GRANT CO	1.72 INCHES OF RAIN
1/16/2017 700 AM	RINCON 5SE-DONA ANA CO	1.56 INCHES OF RAIN
1/16/2017 700 AM	EL PASO 2W-EL PASO CO	1.32 INCHES OF RAIN
1/21/2017 500 PM	SIGNAL PEAK-GRANT CO	12.0 INCHES SNOW
1/21/2017 500 PM	MCKNIGHT CABIN-GRANT CO	11.0 INCHES SNOW
1/21/2017 700 AM	CLOUDCROFT 2SW- OTERO CO	9.5 INCHES SNOW
1/21/2017 931 PM	PINOS ALTOS-GRANT CO	8.0 INCHES SNOW
1/21/2017 500 PM	SILVER CITY 5NE-GRANT CO	6.2 INCHES SNOW

Selected weather reports January 2017

Date/Time	Location (County)	Event
1/21/2017 110 PM	SAN AUGUSTIN PASS-DONA ANA CO	88 MPH PEAK WIND
1/21/2017 500 PM	EL PASO AIRPORT-EL PASO CO	69 MPH PEAK WIND
1/21/2017 310 PM	WSMR MAIN POST-DONA ANA CO	65 MPH PEAK WIND
1/21/2017 100 PM	LAS CRUCES 6 SW-DONA ANA CO	64 MPH PEAK WIND
1/21/2017 329 PM	SIERRA BLANCA 1SE-HUDSPETH CO	64 MPH PEAK WIND
1/21/2017 315 PM	SANTA TERESA 5NW-DONA ANA CO	61 MPH PEAK WIND
1/21/2017 140 PM	HACHITA 15SW-HIDALGO CO	57 MPH PEAK WIND
1/21/2017 1048 PM	RODEO 3NE-HIDALGO CO	57 MPH PEAK WIND
1/21/2017 100 PM	DEMING 2SE-LUNA CO	57 MPH PEAK WIND
1/21/2017 300 PM	CHAPARRAL 2E-DONA ANA CO	56 MPH PEAK WIND
1/21/2017 400 PM	SUNLAND PARK-DONA ANA CO	54 MPH PEAK WIND
1/24/2017 1225 AM	SAN AUGUSTIN PASS-DONA ANA CO	66 MPH PEAK WIND
1/24/2017 1220 AM	WSMR MAIN POST-DONA ANA CO	63 MPH PEAK WIND
1/24/2017 140 AM	HACHITA 15 SW-HIDALGO CO	63 MPH PEAK WIND
1/24/2017 339 AM	SUNSPOT 1S-OTERO CO	55 MPH PEAK WIND

Selected weather reports December 2016

Date/Time	Location (County)	Event
1/24/2017 341 AM	EL PASO 5NE-EL PASO CO	53 MPH PEAK WIND



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Photo Credit: John Fausett

Local forecast by "City, St" or ZIP code
 Enter location ...
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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

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.

IN CLOSING...THE SUN SETS WEST OF
SANTA TERESA...JAN 2 2017

