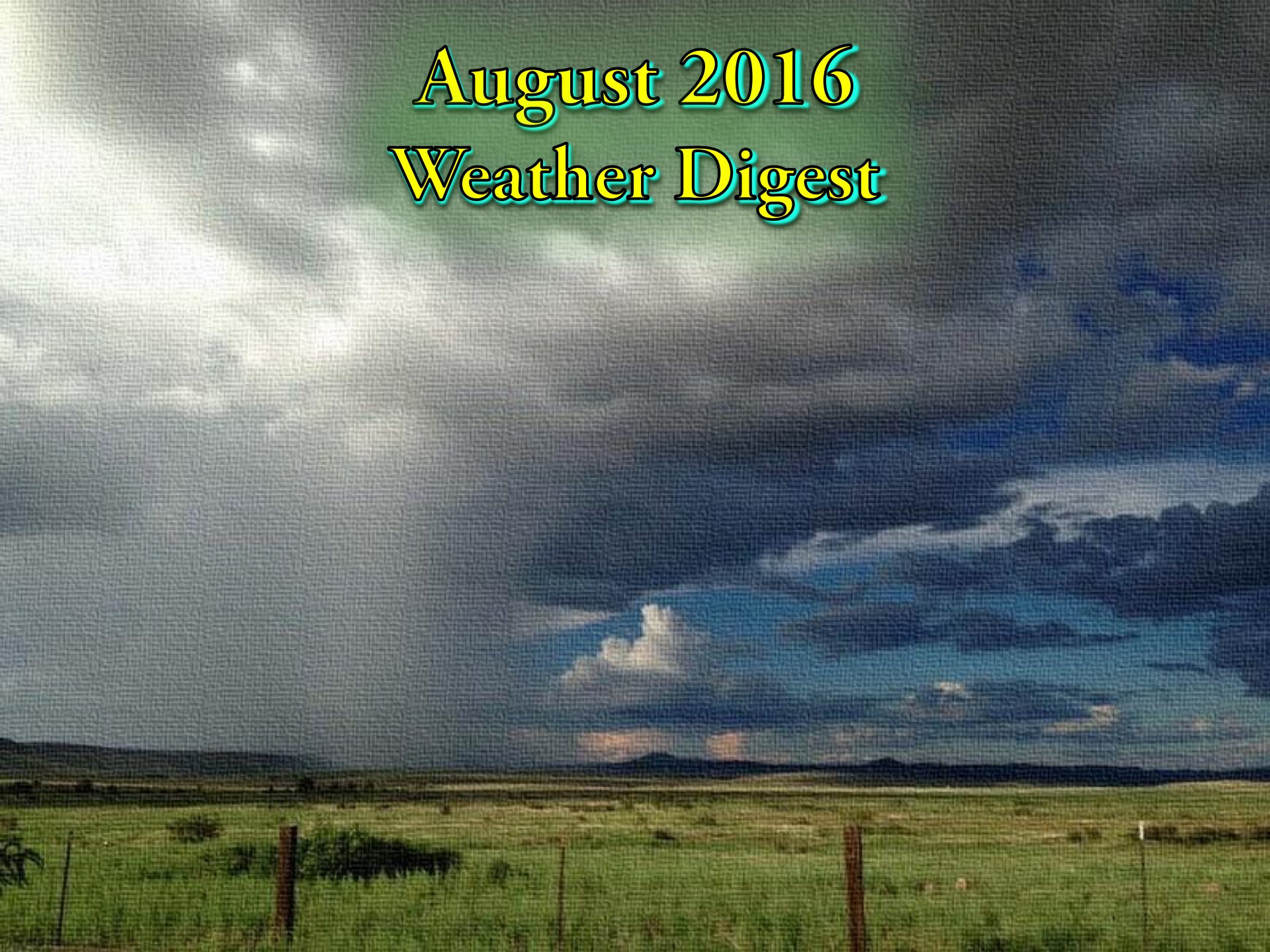


# August 2016 Weather Digest



# August 2016 Weather Summary

After a slow start to the first half of the Monsoon season, August turned into a wet month for most of the Borderland. Southerly flow aloft around a Gulf of Mexico low, the trademark pattern of the Monsoon season, persisted for most of the month. Much of the area east of the Continental Divide ended up with above normal precipitation. In fact other than the upper Tularosa Basin, which was slightly below normal, the rest of the area east of the Divide was considerably above normal. Drought conditions, which were just beginning to develop across much of New Mexico were quickly snuffed out during August.

Looking at temperatures, due to the consistently humid and cloudy days, average temperatures ran a bit below normal. El Paso International Airport was just a fraction below normal, but many other sites ran one to two degrees below normal for their average daily temperature.

**Near Hillsboro Aug 8**



**NE El Paso Aug 21**



**Santa Teresa Aug 13**



**Near Canutillo Aug 21**



**West El Paso Aug 27**



**West El Paso Aug 21**



**Santa Teresa Aug 25**



**El Paso Aug 13**



**El Paso Aug 21**



**Canutillo Aug 21**



**Near Vinton Aug 21**



**Near Dell City Aug 27**



© M. H. H. H. H.

**Las Cruces Aug 27**



**Horizon City Aug 23**



**Near Anthony Aug 21**



**San Augustin Pass Aug 25**



**Anthony Aug 25**



**El Paso Aug 21**



**El Paso Aug 21**



**Trans Mountain Pass Aug 21**



**Silver City Aug 8**



**Near Arrey Aug 11**



**Alcan Street NE El Paso Aug 22**



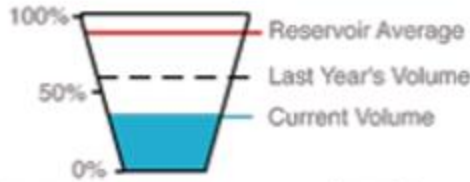
**Bassett Center  
El Paso Aug 21**





# ELEPHANT BUTTE RESERVOIR WAS AT 4% OF CAPACITY FOR AUGUST

## Legend



size of cups is representational of reservoir size, but not to scale

Reservoir Name	Capacity	Current Storage*	Max Storage*	One-Month Change in Storage*
1. Navajo	51%	864.0	1,696.0	-23.1
2. Heron	21%	84.5	400.0	-21.5
3. El Vado	11%	21.4	190.3	5.1
4. Abiquiu	12%	145.3	1,192.8	6.5
5. Cochiti	10%	47.1	491.0	0.0
6. Bluewater	6%	2.5	38.5	0.1
7. Elephant Butte	4%	90.9	2,195.0	16.4
8. Caballo	4%	11.8	332.0	-47.7
9. Lake Avalon	28%	1.1	4.0	N/A
10. Brantley	0%	4.6	1,008.2	N/A
11. Sumner	4%	4.1	102.0	N/A
12. Santa Rosa	3%	11.0	438.3	2.6
13. Costilla	11%	1.7	16.0	-0.4
14. Conchas	11%	28.6	254.2	14.7
15. Eagle Nest	28%	21.8	79.0	N/A

N/A—value not available

\* thousands of acre-feet

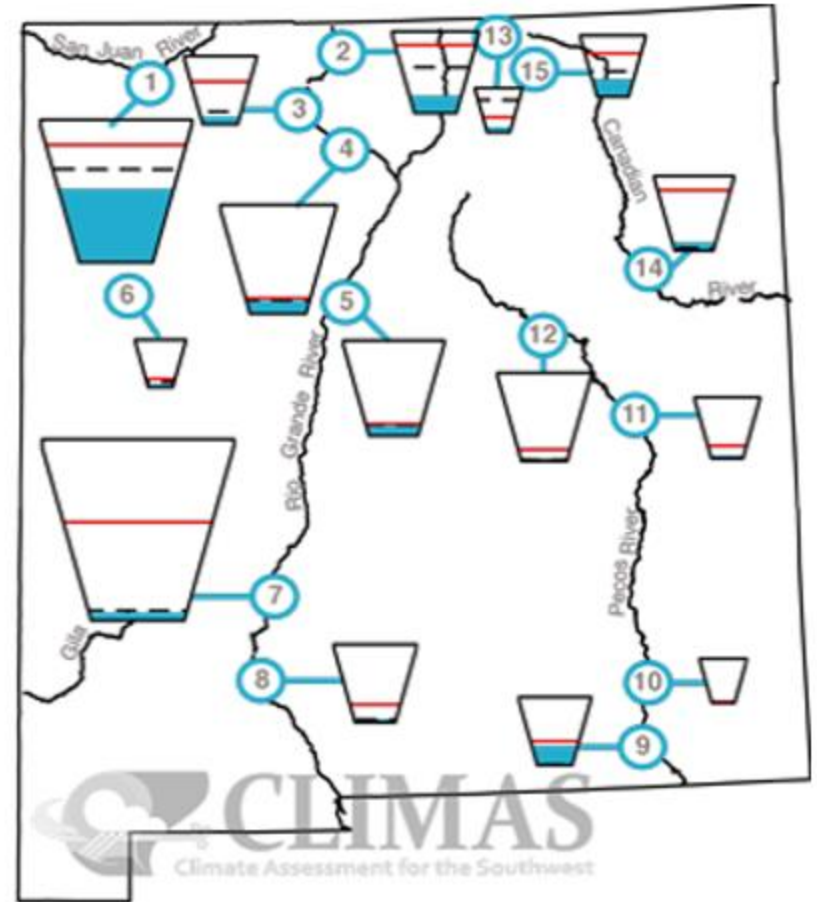
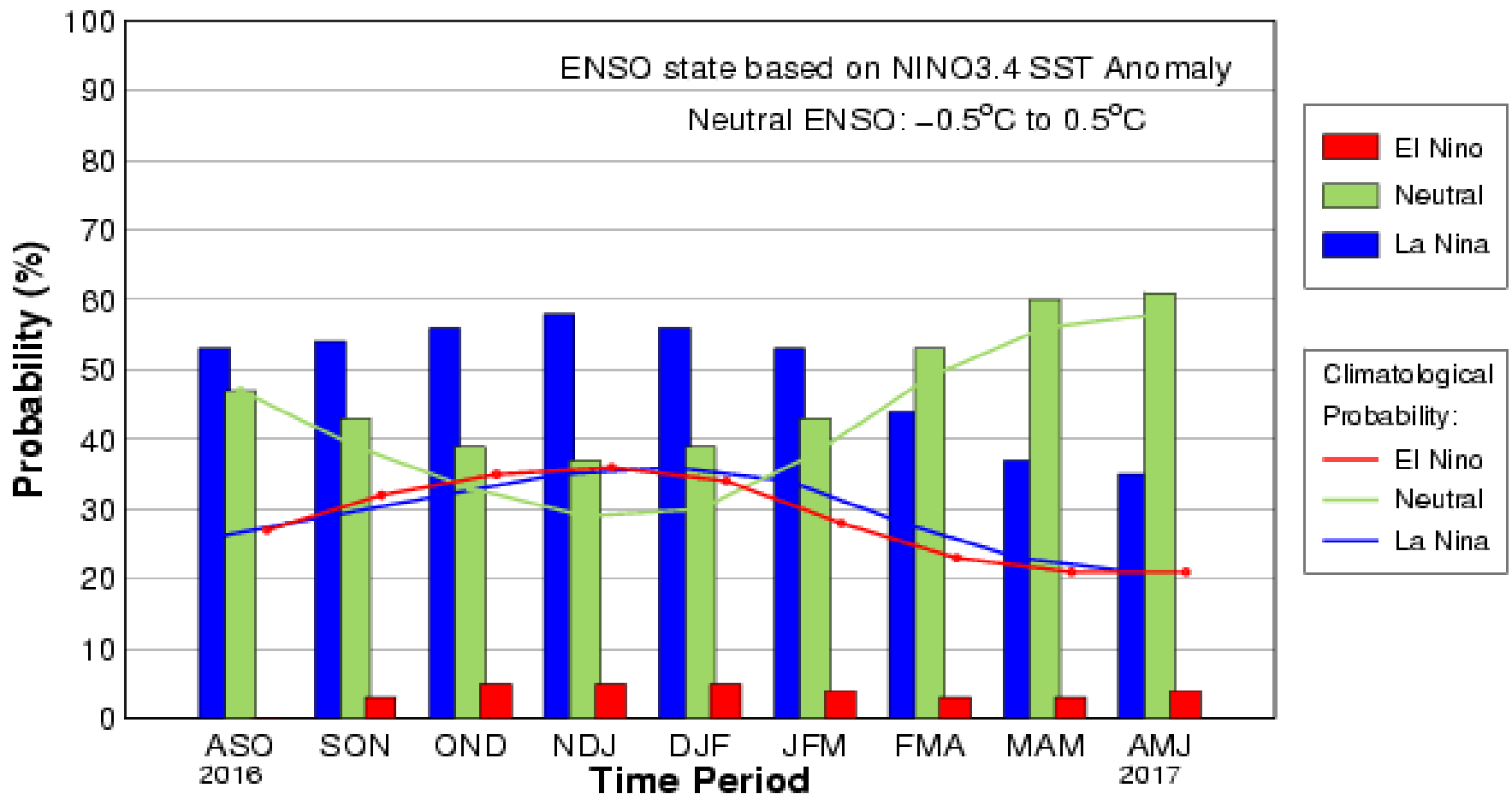


Figure 7. New Mexico reservoir volumes for August as a percent of capacity. The map depicts the average volume and last year's storage for each reservoir. The table also lists current and maximum storage, and change in storage since last month.

# ENSO Forecast from August through the spring of 2017

ENSO IS NOW APPROACHING A **WEAK LA NIÑA** EPISODE OVER THE NEXT MONTH; PERHAPS FALLING BACK TO **NEUTRAL** BY NEXT SPRING

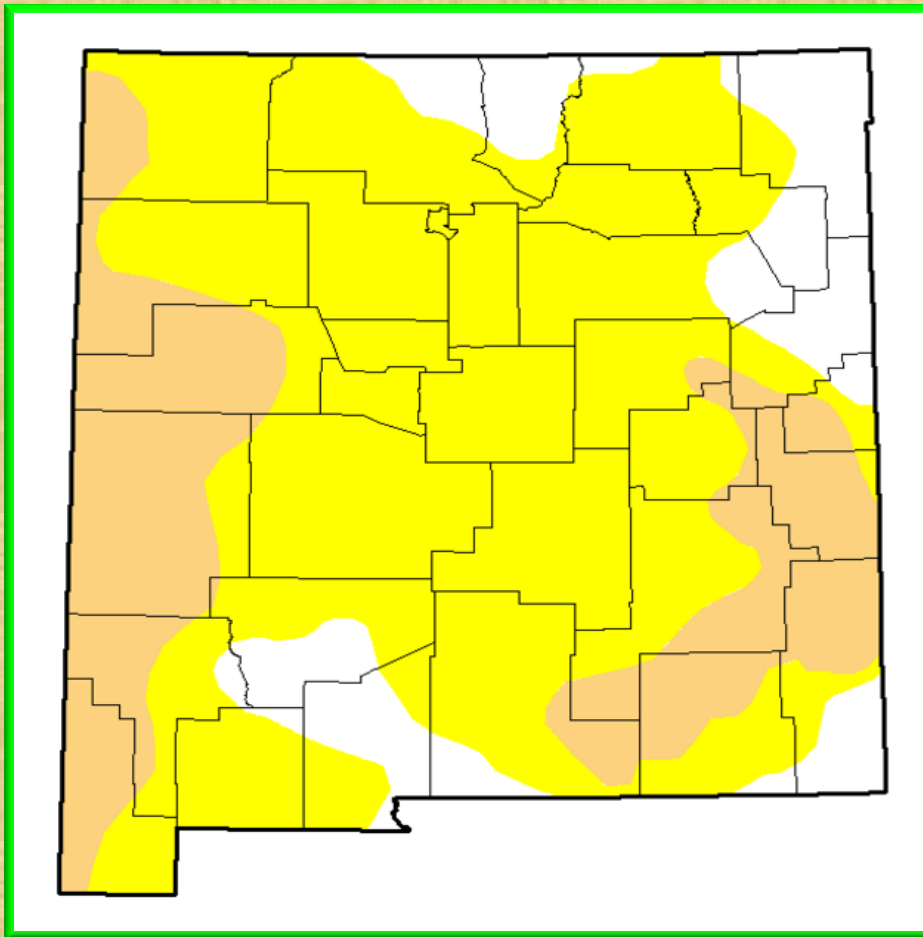
Mid-Aug IRI/CPC Model-Based Probabilistic ENSO Forecast



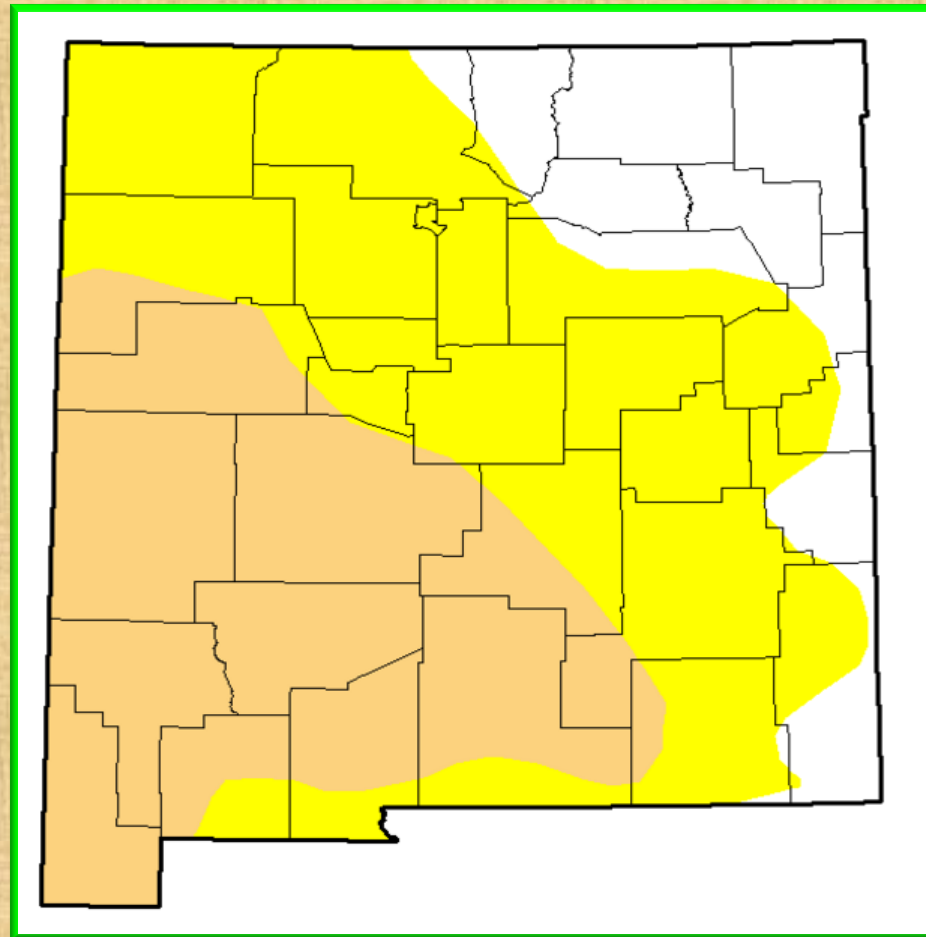
# Current drought conditions for New Mexico and 3 month change

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

**August 30, 2016**








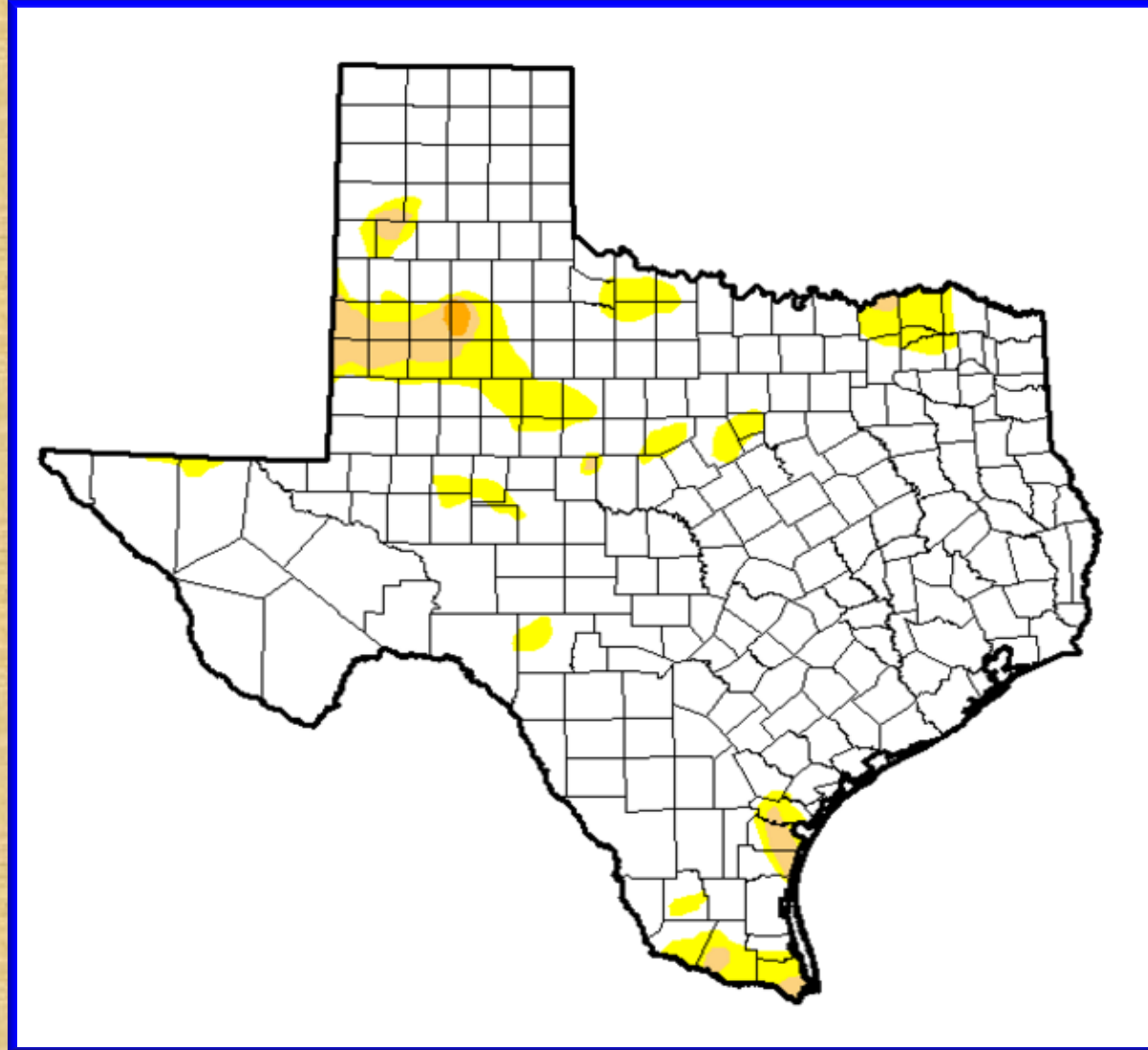
**May 31, 2016**



# Current drought conditions for Texas as of July 26, 2016

Intensity:

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



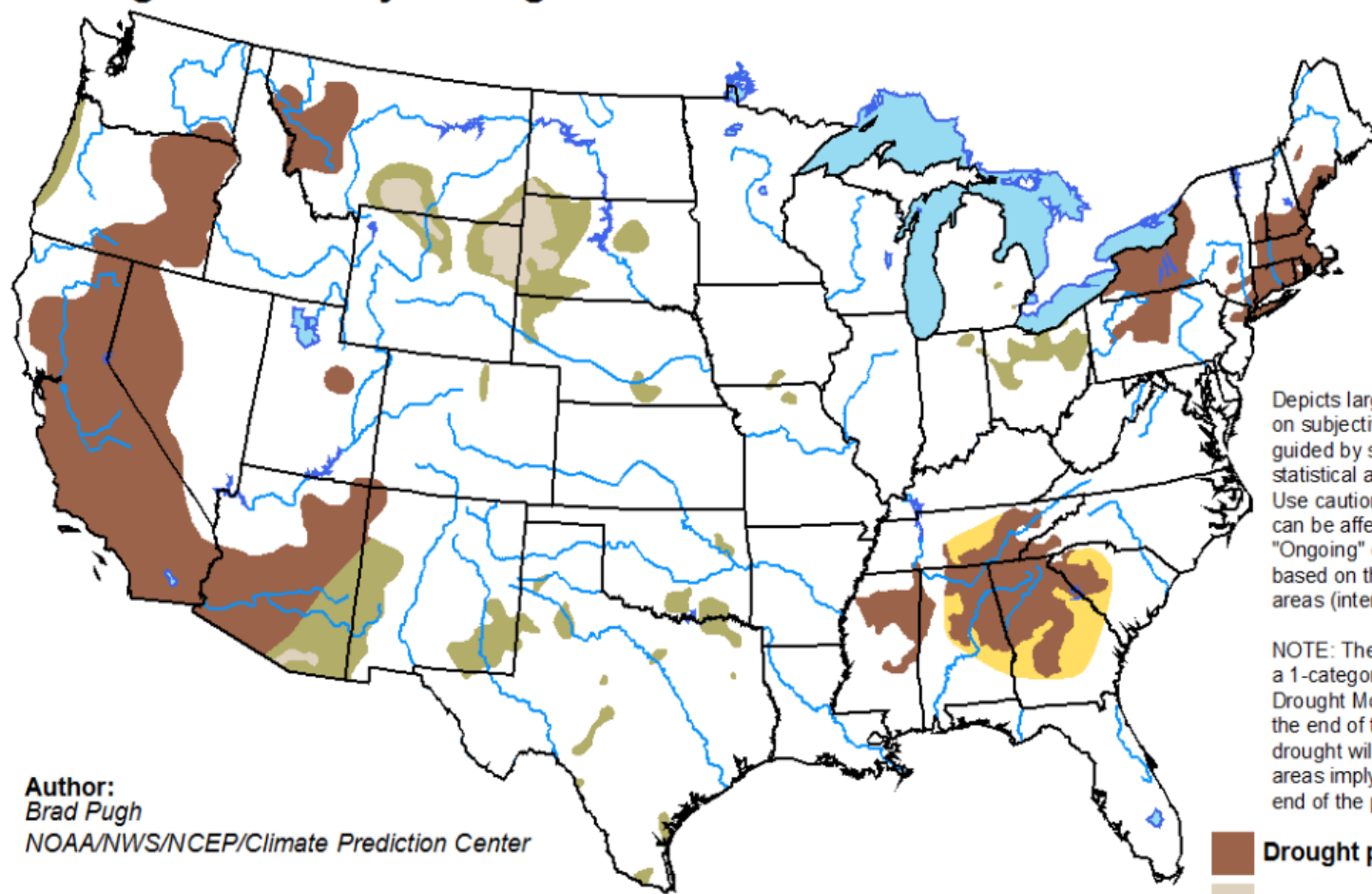
**Build your own custom slider maps here at:**

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

# U.S. Seasonal Drought Outlook

## Drought Tendency During the Valid Period





Valid for August 18 - November 30, 2016  
Released August 18, 2016

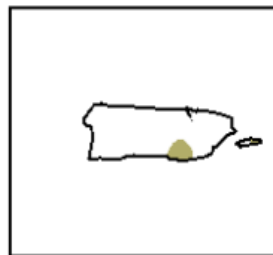
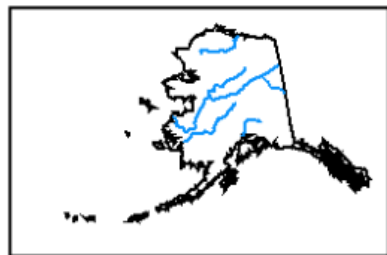


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

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

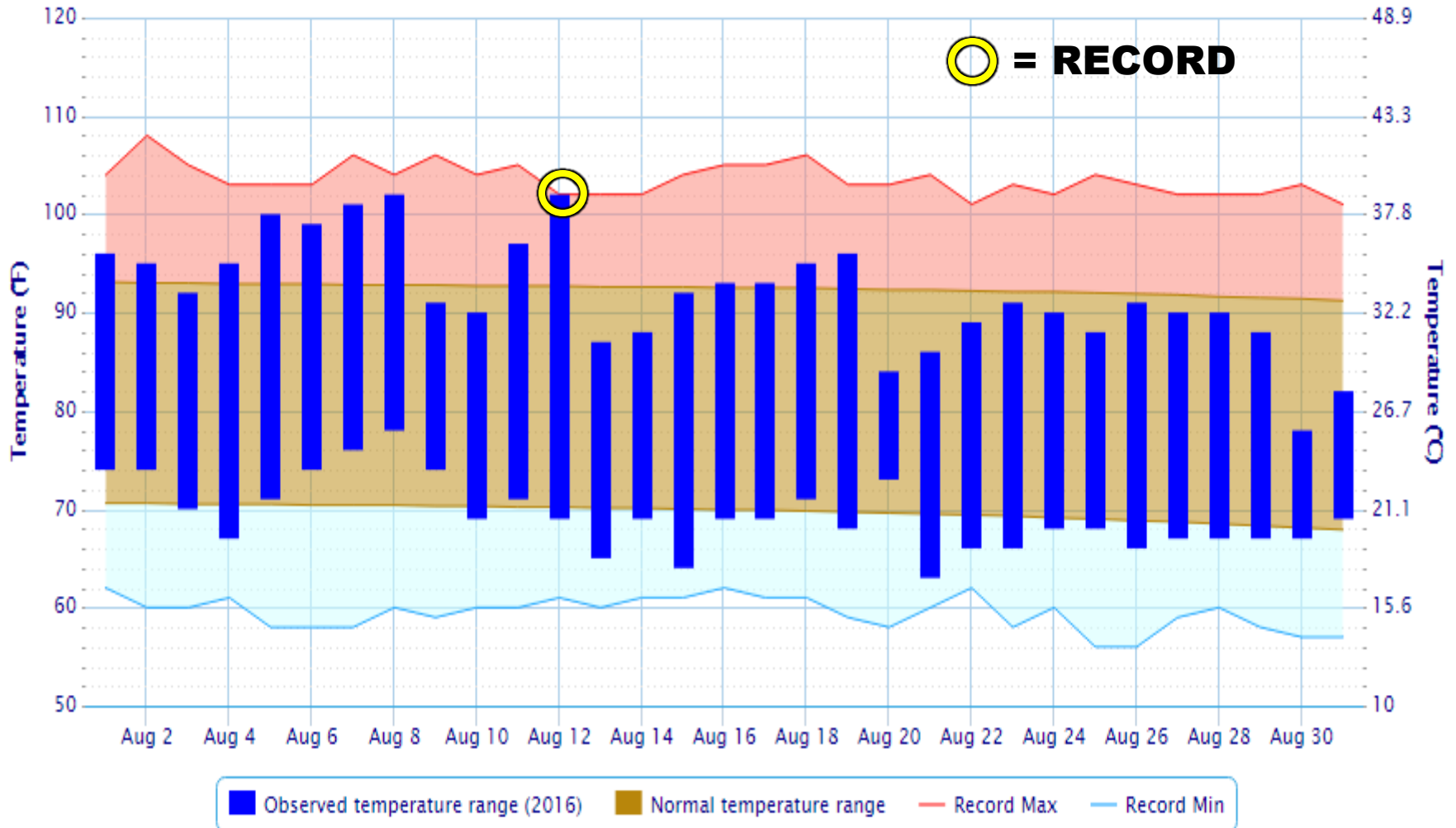


<http://go.usa.gov/3eZ73>

# Daily temperature data for August 2016 in El Paso

Daily Temperature Data - EL PASO INTL AP, TX

Period of Record - 1942-12-01 to 2016-08-31. Normals period: 1981-2010. Click and drag to zoom chart.



# Daily temperature/precipitation data YTD through August in El Paso



## El Paso TX - 2016

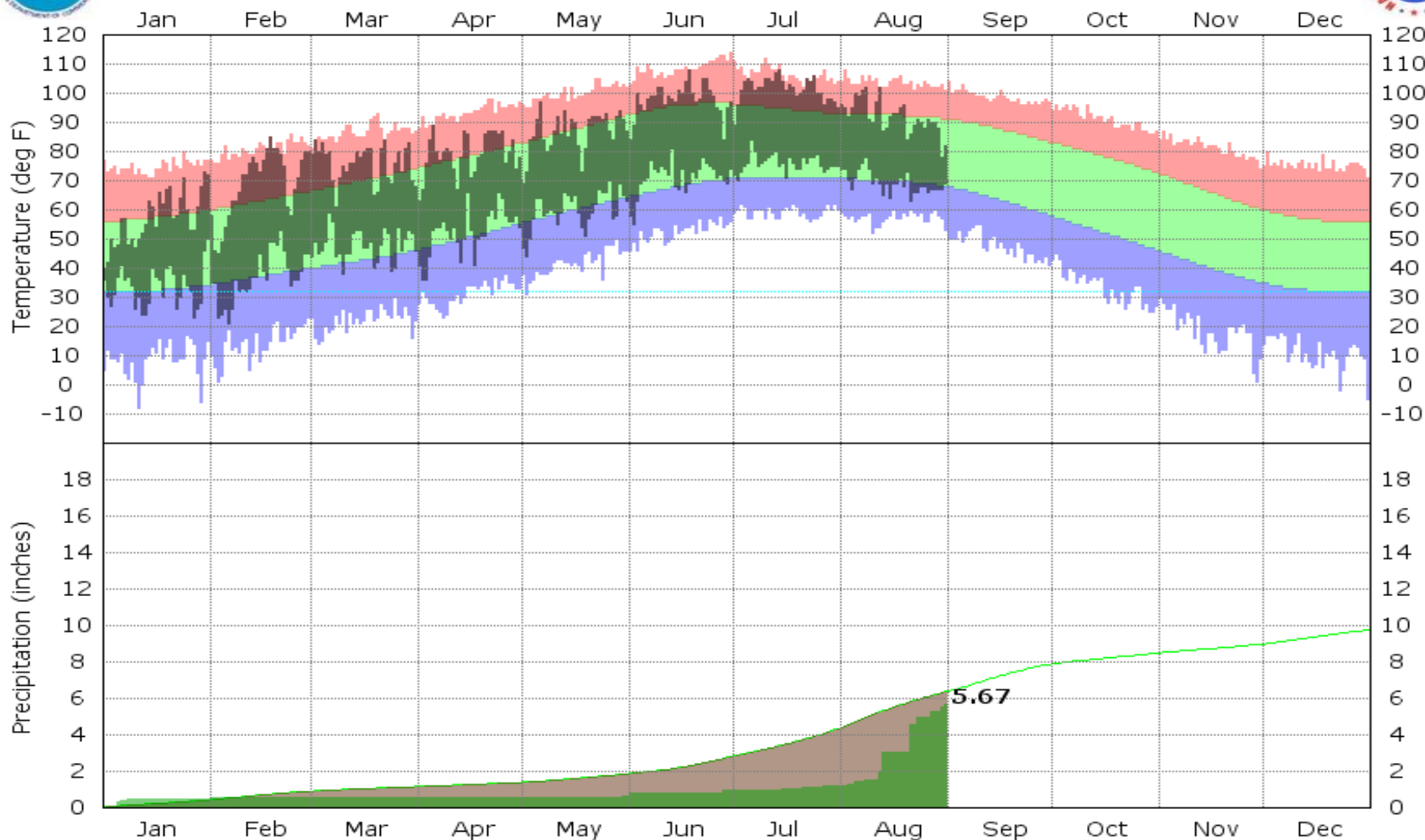
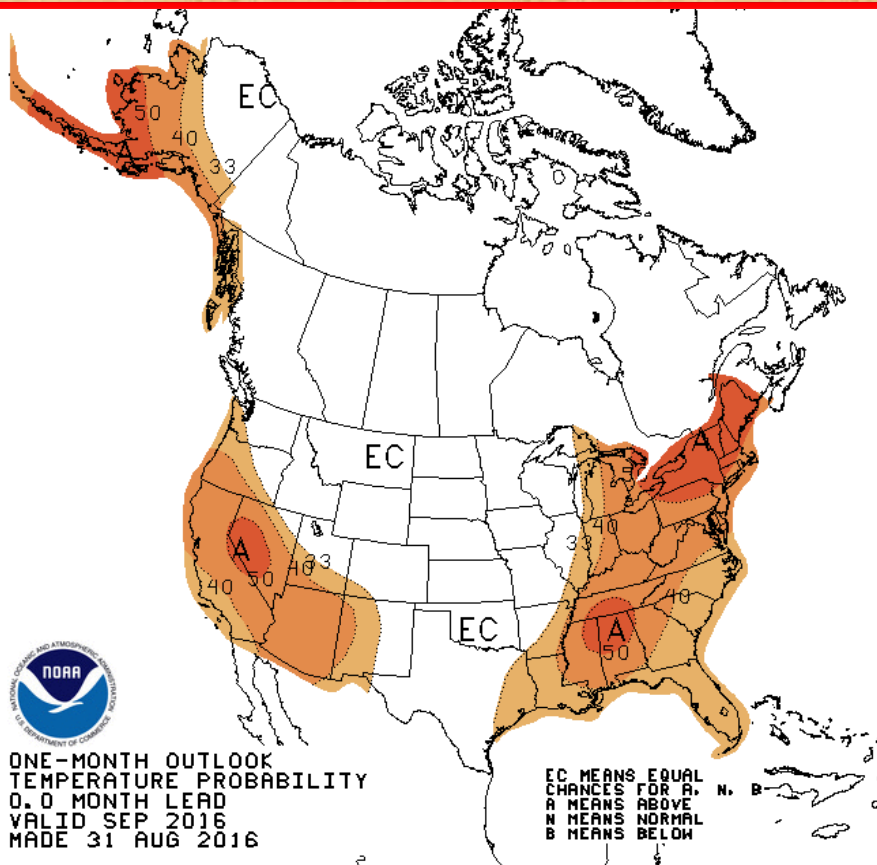


Image created: Fri, 2 Sep 2016 04:08 GMT+00:00

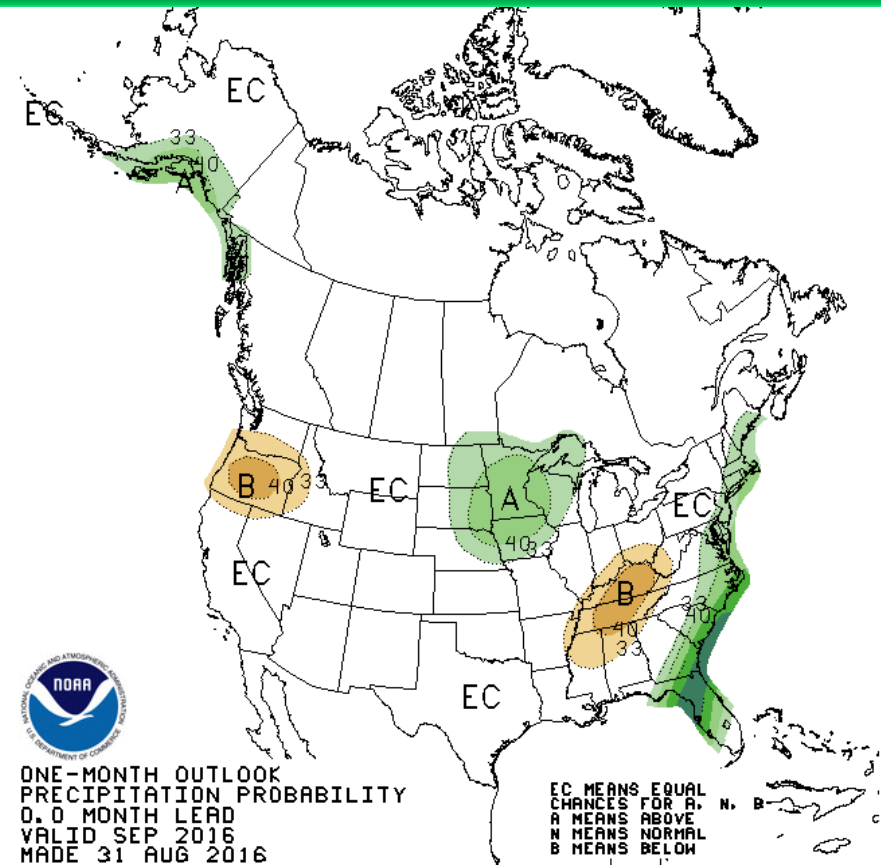
Temperature and Precipitation Plot for El Paso, Texas for 2016

# Temperature and precipitation outlook for September 2016

## Temperature



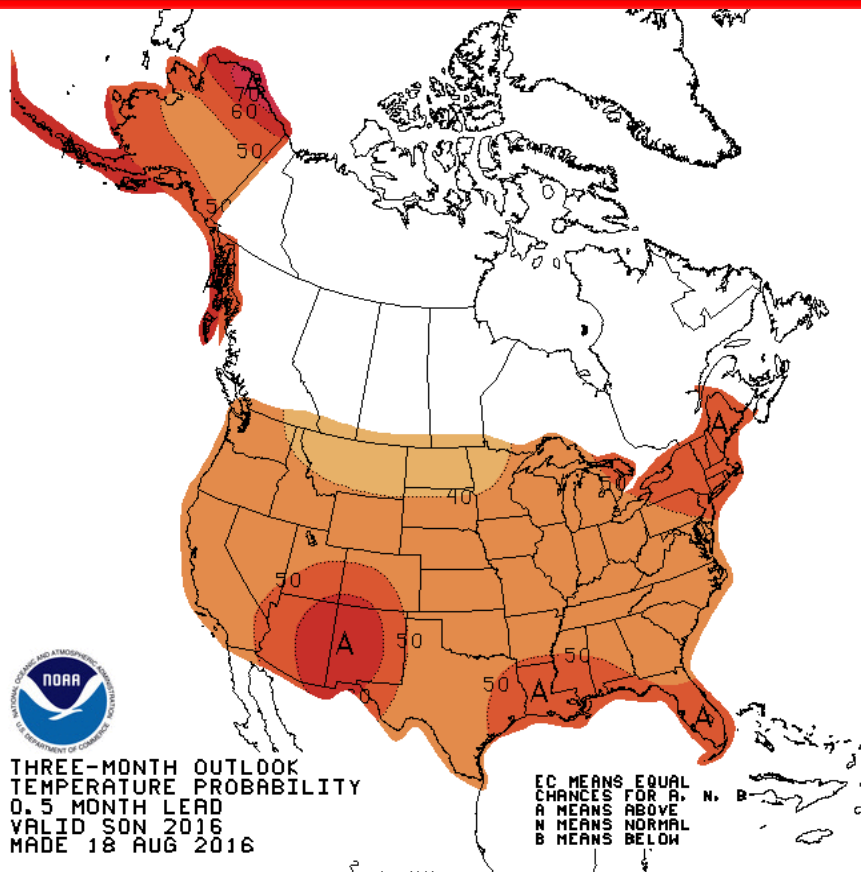
## Precipitation



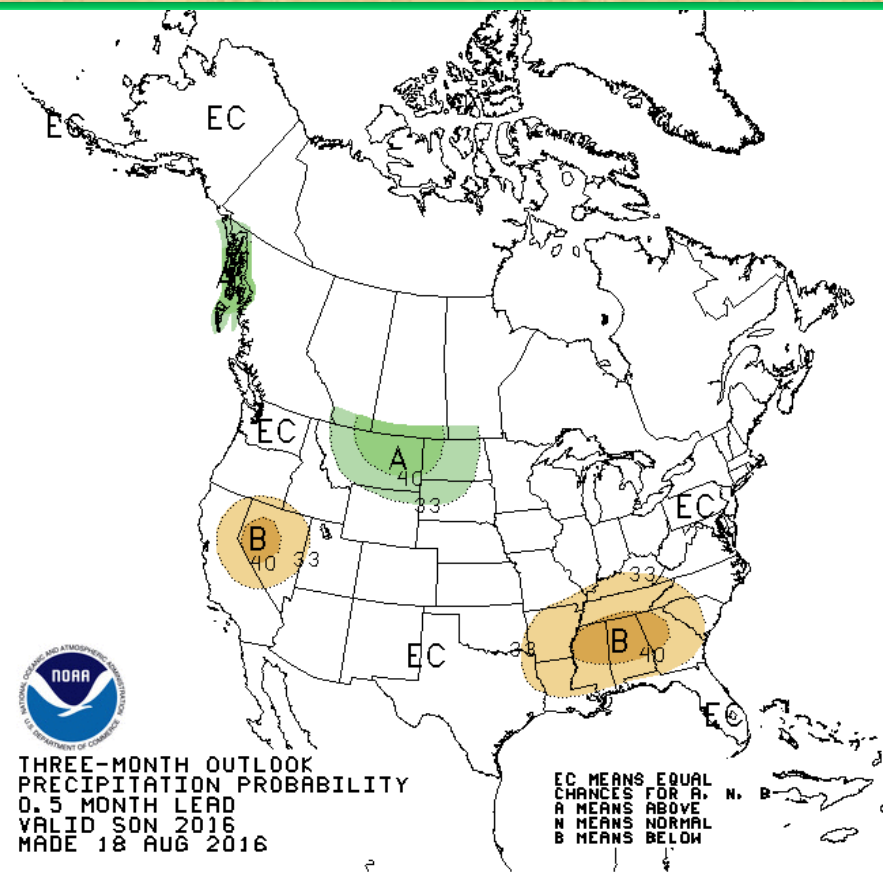


# Temperature and precipitation outlook For Sep – Nov 2016

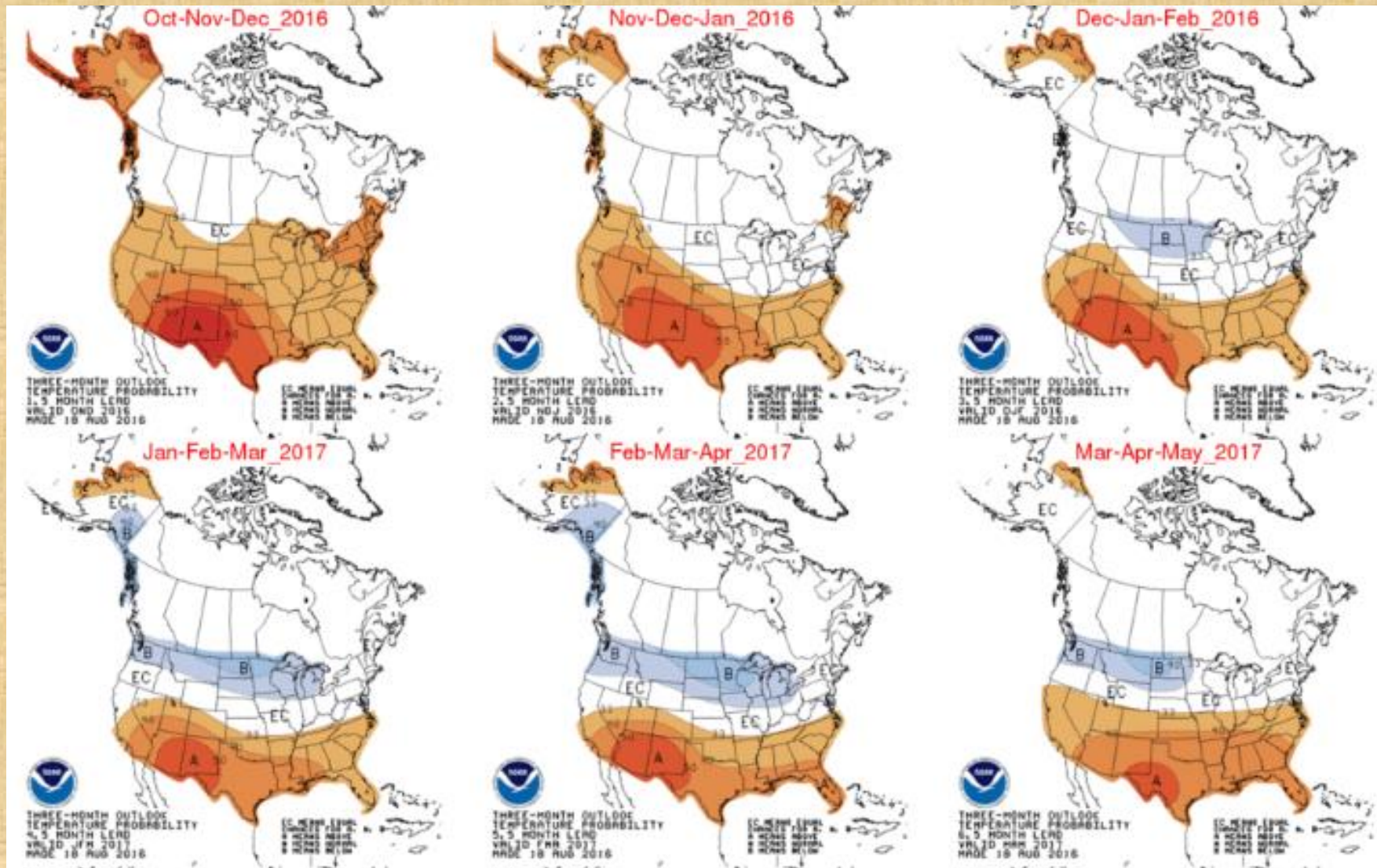
## Temperature



## Precipitation

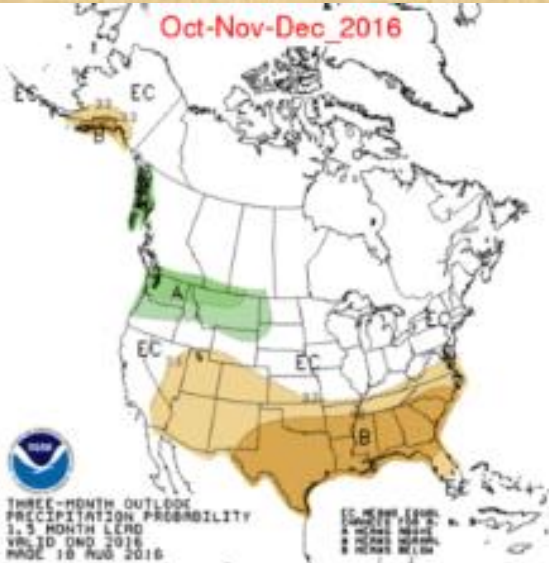


# Temperature Outlook Through May 2017

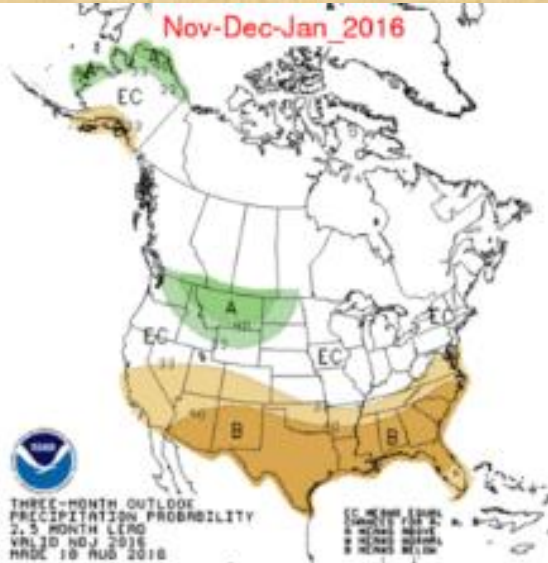


# Precipitation Outlook Through May 2017

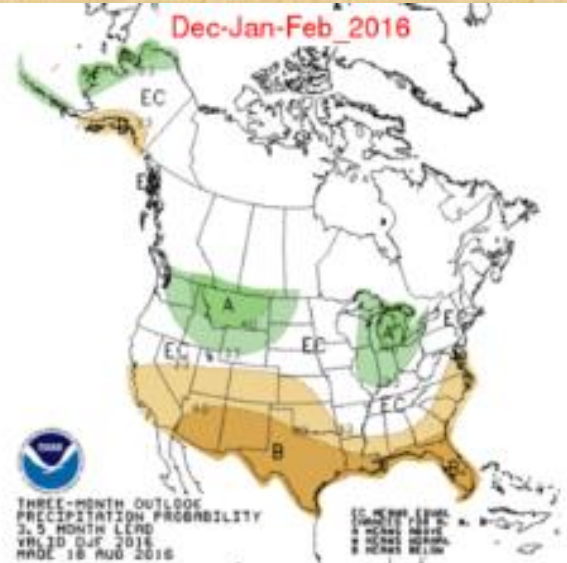
Oct-Nov-Dec 2016



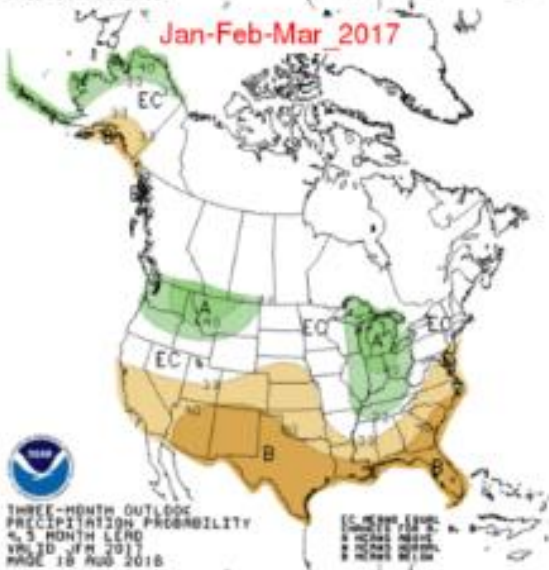
Nov-Dec-Jan 2016



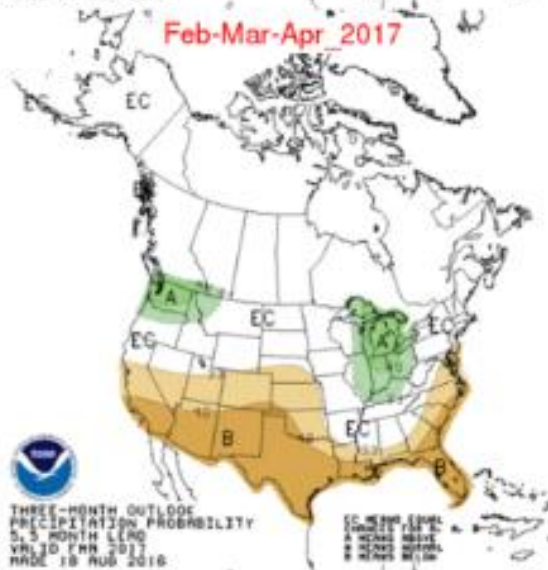
Dec-Jan-Feb 2016



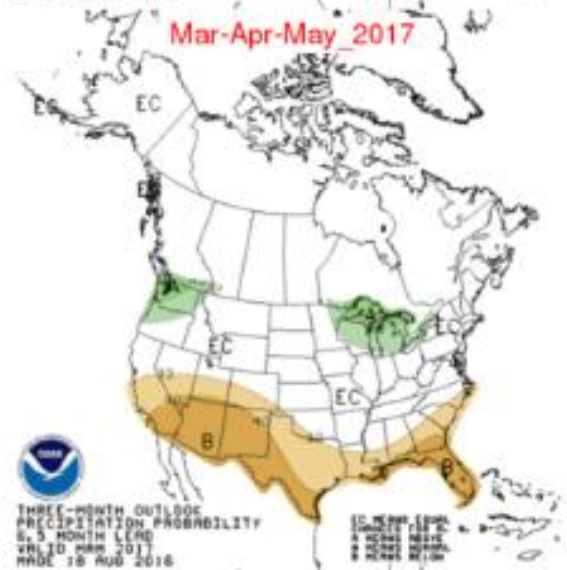
Jan-Feb-Mar 2017



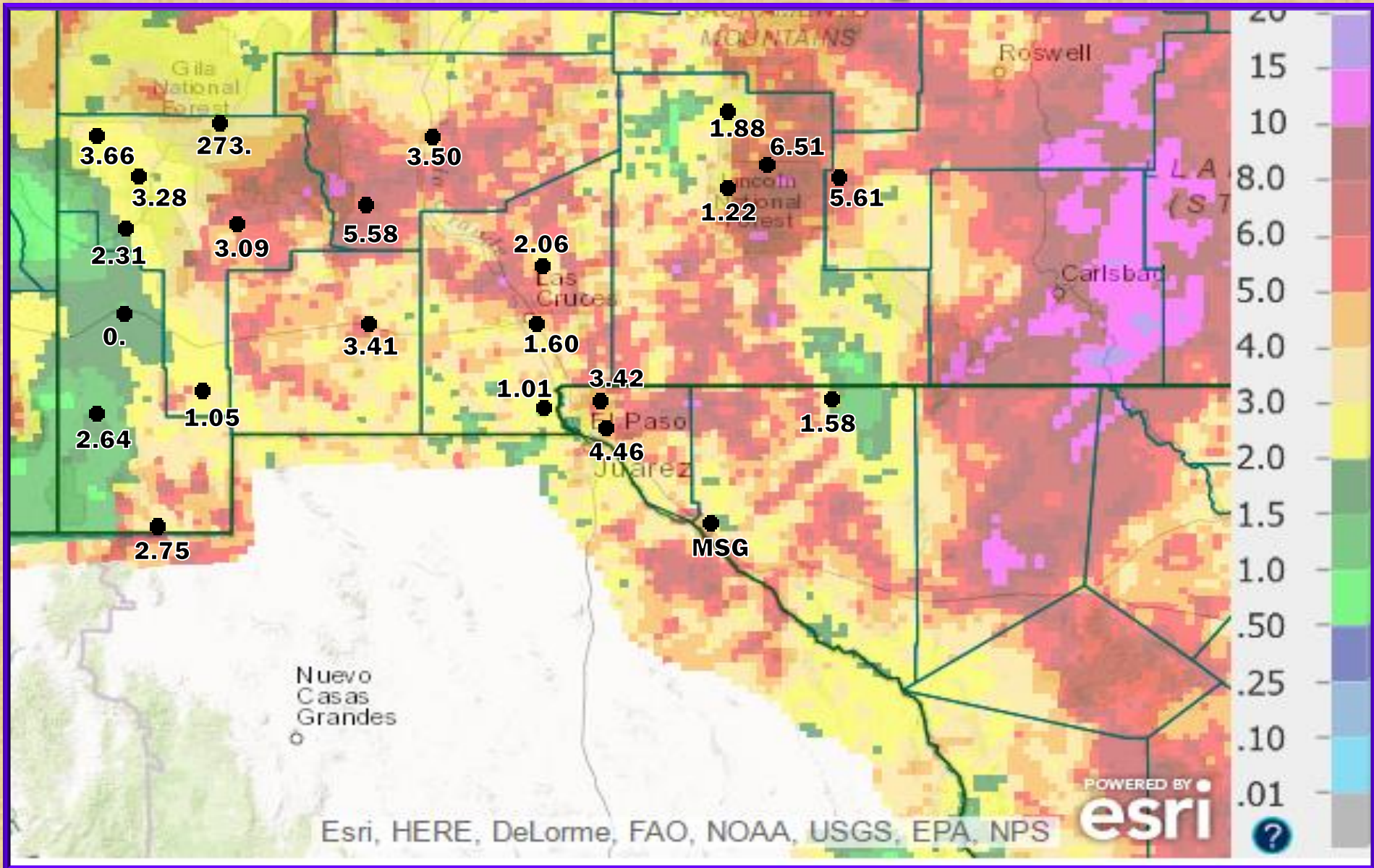
Feb-Mar-Apr 2017



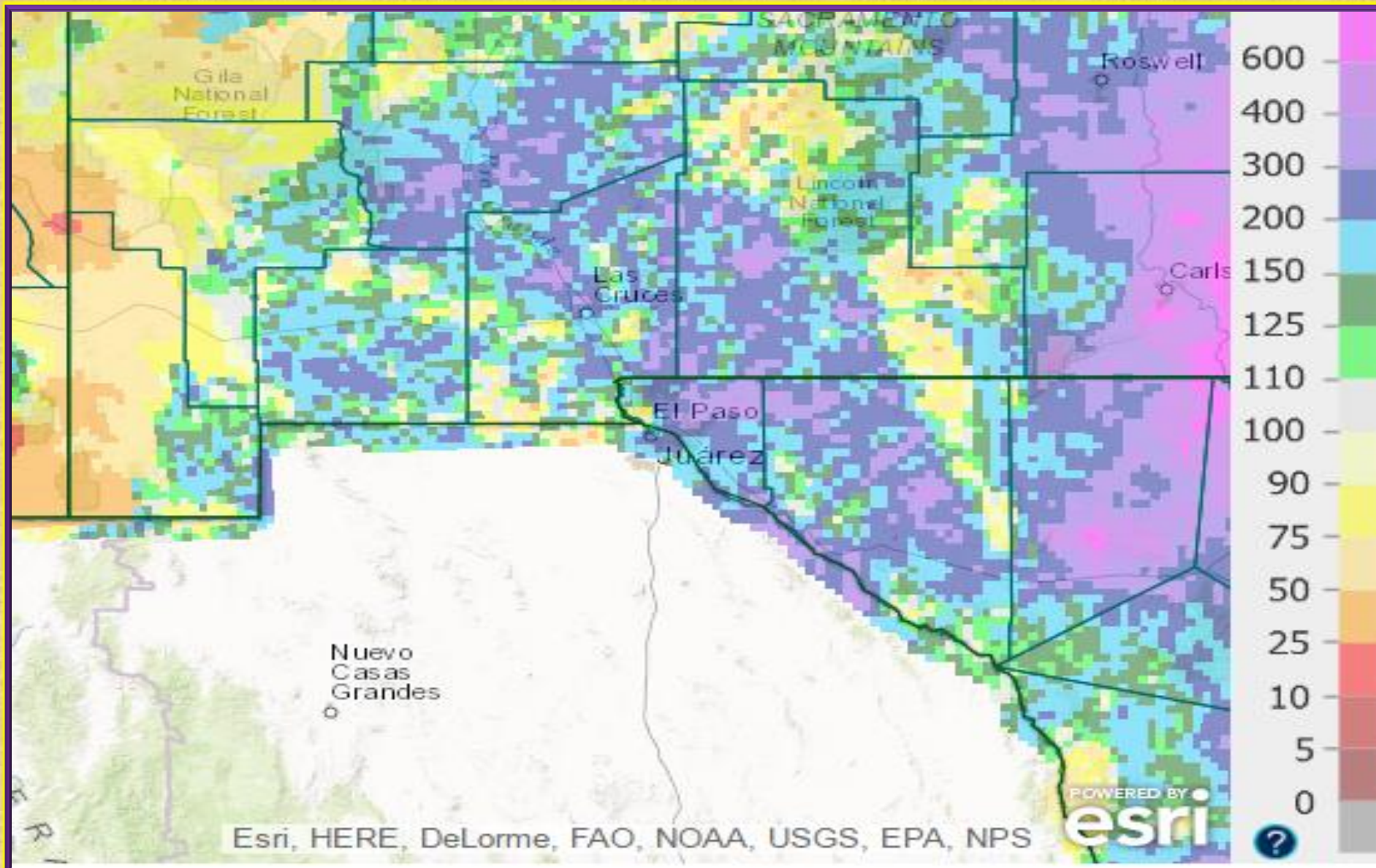
Mar-Apr-May 2017



# August 2016 radar rainfall estimate with surface rainfall reports

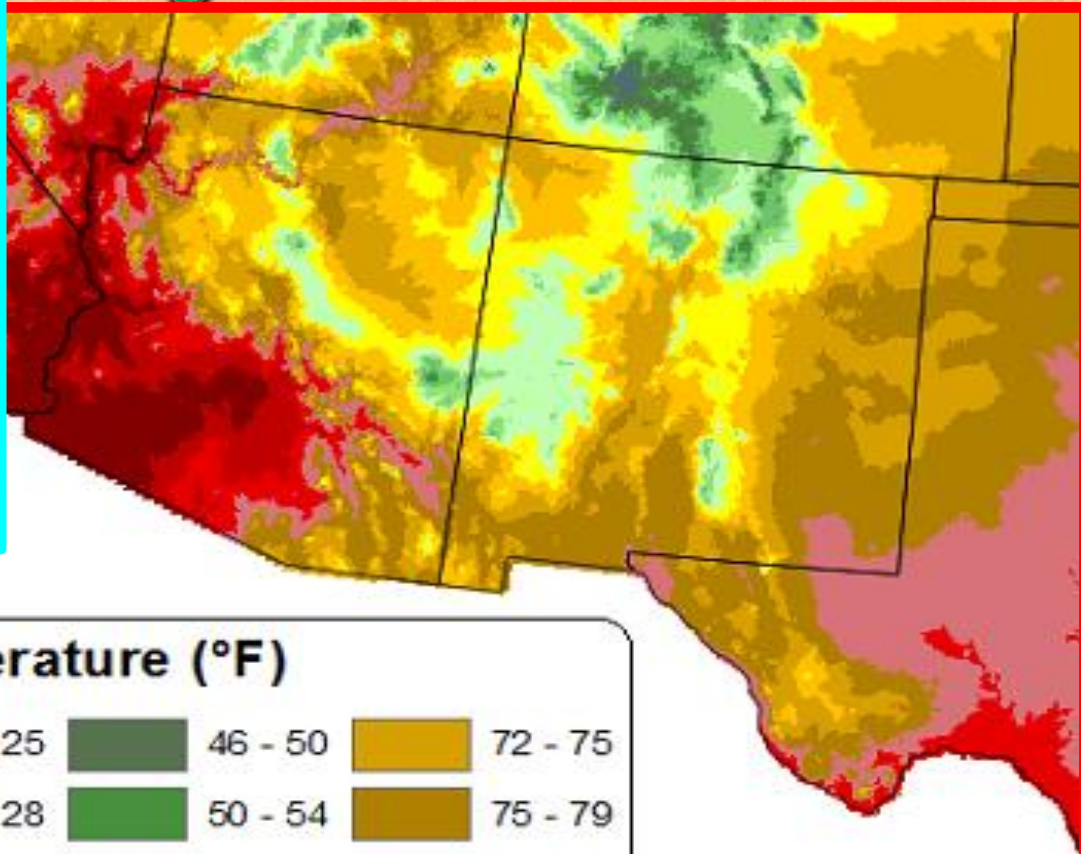
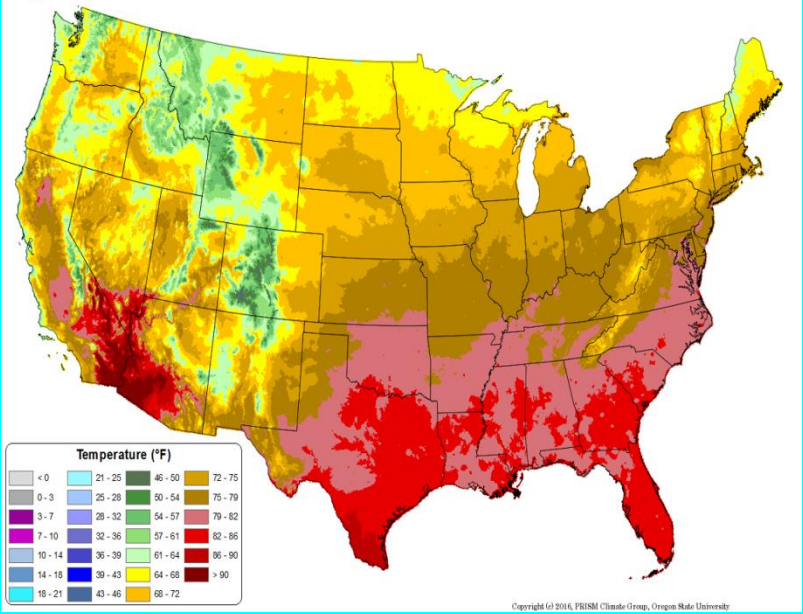


# August 2016 Radar Rainfall Estimate (Percent of normal)

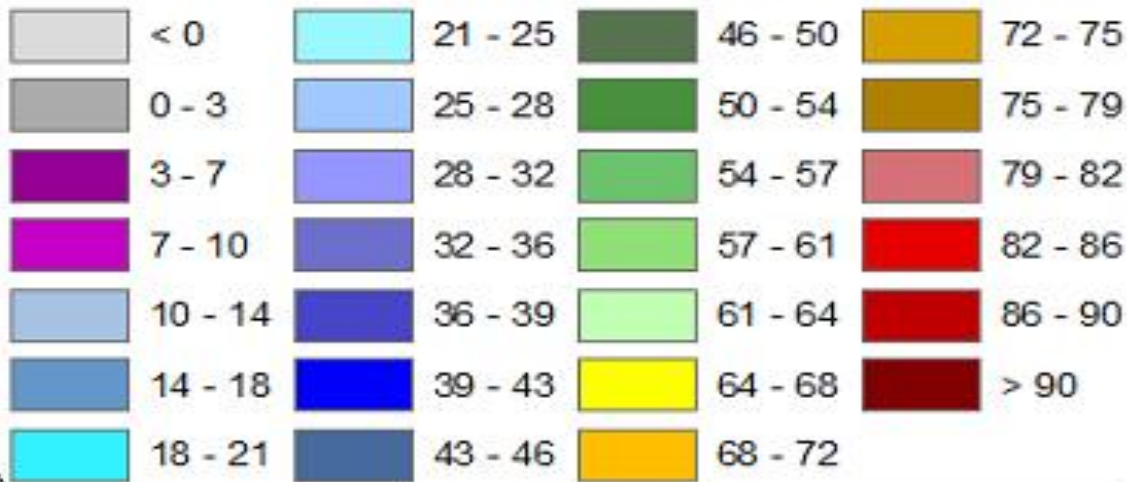


# Average Daily Mean Temperature for August 2016

(map created 02 Sep 2016)



## Temperature (°F)



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PRISM Climate Group  
Oregon State University

# Special Features

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

Month: AUGUST

Calm: 10.33%

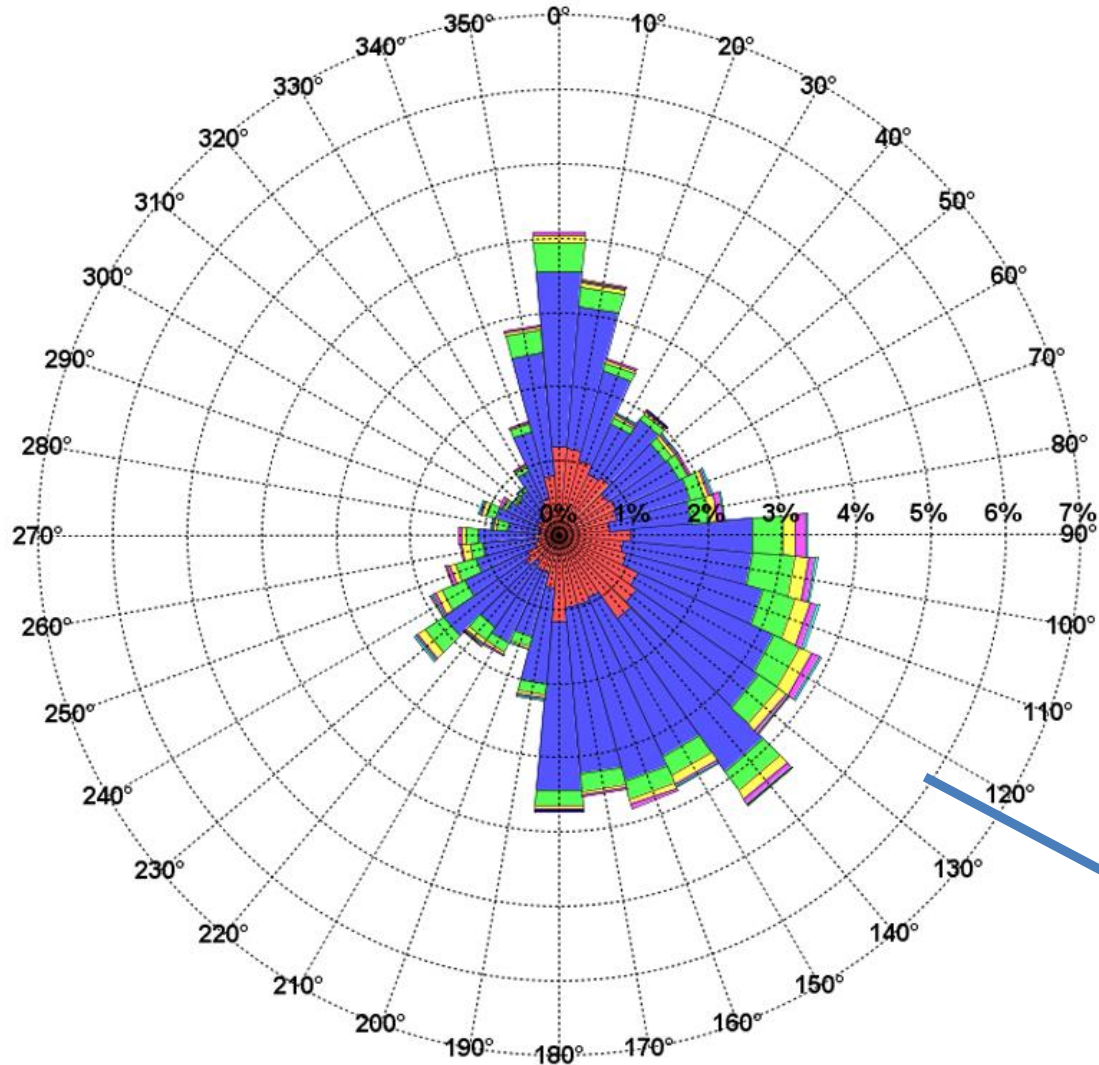
Variable: 9.31%

## WindRose - KELP - EL PASO INTL

% Frequency of Wind Speed from a Direction

POR:19730101-20140602

- 1 - 5 mph
- 6 - 10 mph
- 11 - 16 mph
- 17 - 22 mph
- 23 - 28 mph
- 29 - 33 mph
- 34 - 39 mph
- 40 - 45 mph
- 46 - 51 mph
- 52 - 56 mph
- 57 mph or more



CLIMATOLOGICAL  
SE MONSOONAL  
WINDS

# Selected weather reports August 2016

<b>Date/Time</b>	<b>Location (County)</b>	<b>Event</b>
AUGUST 8 725 PM	4 NNE LAKE VALLEY - SIERRA	FLOOD HIGHWAY 27 FLOODED
AUGUST 20 800 PM	4 S CABALLO – SIERRA HIGHWAY 187	FLASH FLOOD ROCKSLIDES
AUGUST 21 528 PM	LA UNION – DONA ANA ALVAREZ RD	FLASH FLOOD
AUGUST 21 446 PM	I 10 SERVICE RD NEAR CANUTILLO-EL PASO	FLASH FLOOD
AUGUST 21 315 PM	ANTHONY – DONA ANA	TSTM WIND DMG – BARN ROOF
AUGUST 21	EL PASO INT AIRPORT ASOS	HVY RAIN 1.53 INCHES DAILY RECORD
AUGUST 21 320 PM	1 NE LA UNION – DONA ANA	53 MPH TSTM WIND GUST
AUGUST 21	6 ESE WSMR – DONA ANA	1.81 INCHES DAILY TOTAL
AUGUST 21	9 WNW EL PASO	2.27 INCHES OF RAIN DAILY TOT
AUGUST 21 500 PM	LEESBURG DAM – DONA ANA	FLASH FLOOD 4.04 INCHES RAIN
AUGUST 27 805 PM	CHAMIZAL NAT MEMORIAL – EL PASO	59 MPH TSTM WIND GUST
AUGUST 27 805 PM	MANHATTAN HEIGHTS – EL PASO	FLASH FLOOD
AUGUST 28 408 PM	WHITE SIGNAL - GRANT	2.65 INCHES OF RAIN IN 3 HRS
AUGUST 30 255 PM	MCNARY - HUDSPETH	FLOOD 6 INCHES RAIN IN FIELDS





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Photo Credit: John Fausett

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Top News of the Day  
The March Weather narrative is ready for viewing!

Tonight Monday

WEST SOUTHWEST WINDS  
5 to 10 mph.

Jun Apr 3 2016  
National Weather Service  
El Paso, TX

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Hazardous Weather Outlook

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Climate

Other Items

Digest and Bulletin

**Don't Forget-Current and all past issues of our Weather Digest are available on our website at <http://www.srh.noaa.gov/elp/>**

**Just click on "Digest and Bulletin", then choose what month's Digest to view. Also, though discontinued, don't forget to check out our back issues of Southwest Weather Bulletin.**

National Weather Service Weather Forecast Office  
El Paso, TX

Home Site Map News Organization Search for: NWS All NOAA

Local forecast by "City, St" or Zip Code

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: Hudspeh, Grant, Luna, Sierra, Doña Ana and Otero and the following counties in Texas: El Paso and Hudspeh.

**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	