

June 2017 Weather Digest



June 2017 Weather Summary

June was a relatively calm month, as many Junes are, but a mid-month hot spell did give most areas above normal temperatures for the month. A surge of Gulf of Mexico moisture, which actually began at the end of May, continued into the first week of June. Much of the area received rain from thunderstorms, though heavy rainfall was absent for the most part.

An upper ridge began building over the Desert Southwest toward mid-month, ending the wet pattern and ushering in a stretch of about 10 days of very hot temperatures. Many daily records were broke around the Borderland, culminating on June 23 in El Paso with a high temperatures of 111 degrees, the 6th all time highest temperatures. Santa Teresa NWS recorded it's top two warmest days ever, with readings of 107 on the 22nd and 108 on the 23rd. Cloudcroft recorded it's 5th highest temperature ever on the 22nd, with a reading of 86 degrees.

The weather pattern then began switching back to a more humid, less heat pattern as a cool front moved in from the east on the night of the 23rd, ending the stretch of oppressive heat. The remainder of the month continued with the typical summer thunderstorm pattern of isolated thunderstorms each day.

For the month, temperatures were a fair amount above normal, with many sites reporting average daily temperatures of 2 to 4 degrees above normal for the month, due mostly to the mid month stretch of heat aforementioned.

June 2017 Weather Summary (cont'd)

June for the most part, was wetter than normal for most of the area, though the Rio Grande Valley from west El Paso up to Truth or consequences was noticeably below normal. Most of the area on either side of the Rio Grande Valley ran from 100 to 300 percent of normal.

Looking ahead to July, our monsoon typically begins this month, usually the first week or two. This monsoon pattern replaces the hot and dry early summer, with a bit cooler temperatures and much more moisture, resulting in more thunderstorms and rain.

First of 2017 1000^o Day El Paso TX 101

Monday June 5th 2017

*Earliest
Recorded
May 8th*

*Ave. First
Jun 14th*

*Ave. No.
in year*

*15.4
1879-2010*

*Latest
Recorded
Sept 2nd*

*Ave. Last
Aug 2nd*

*20.5
1981-2010*

Hail at Mayhill June 1



**Tierra Blanca Ck at Hwy 27
June 19**



**Landspout near La Mesa
June 19**



Canutillo June 19



Haboob Las Cruces June 24



Haboob Las Cruces June 24



Lightning June 21



Landspout near La Mesa June 21



Thunderstorm El Paso June 21



Northeast El Paso June 25



Near Lordsburg June 21



Near Lordsburg June 21



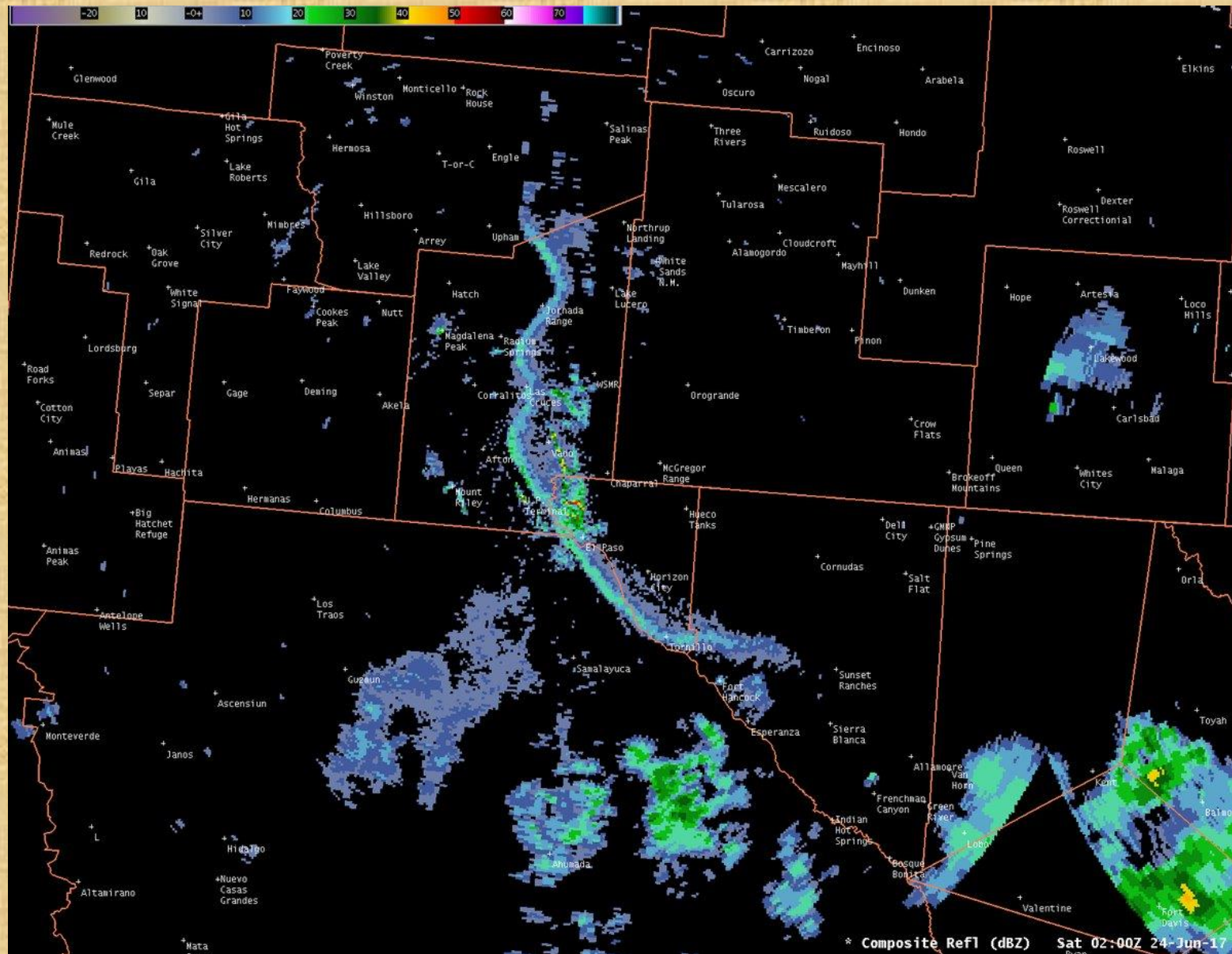
Dust storm west of Lordsburg June 19 - resulting in fatalities



**Fatal day west of Lordsburg June 19:
6 killed in 25 car accident in dense dust storm caused
by 50+ mph winds from thunderstorm outflow**



Backdoor cool front moving from the east to west evening of June 23 – ended the very hot spell



No Advisory in effect

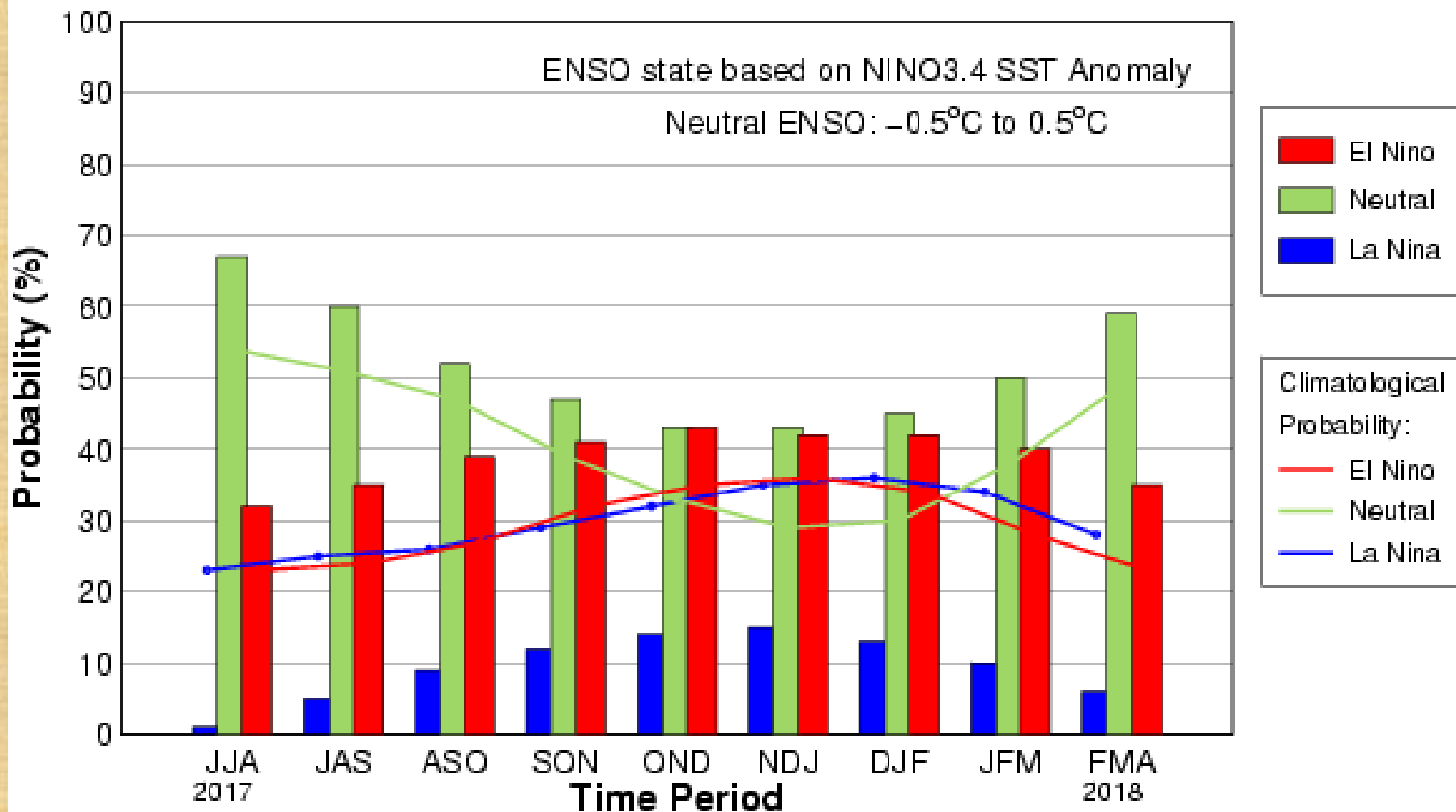
ENSO Alert System

- **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 June into early Spring of 2018

ENSO IS NOW IN A **NEUTRAL** PERIOD. NO CLEAR SIGNAL FOR THE WINTER; LEANING TOWARD NEUTRAL BUT WEAK EL NIÑO ALSO POSSIBLE

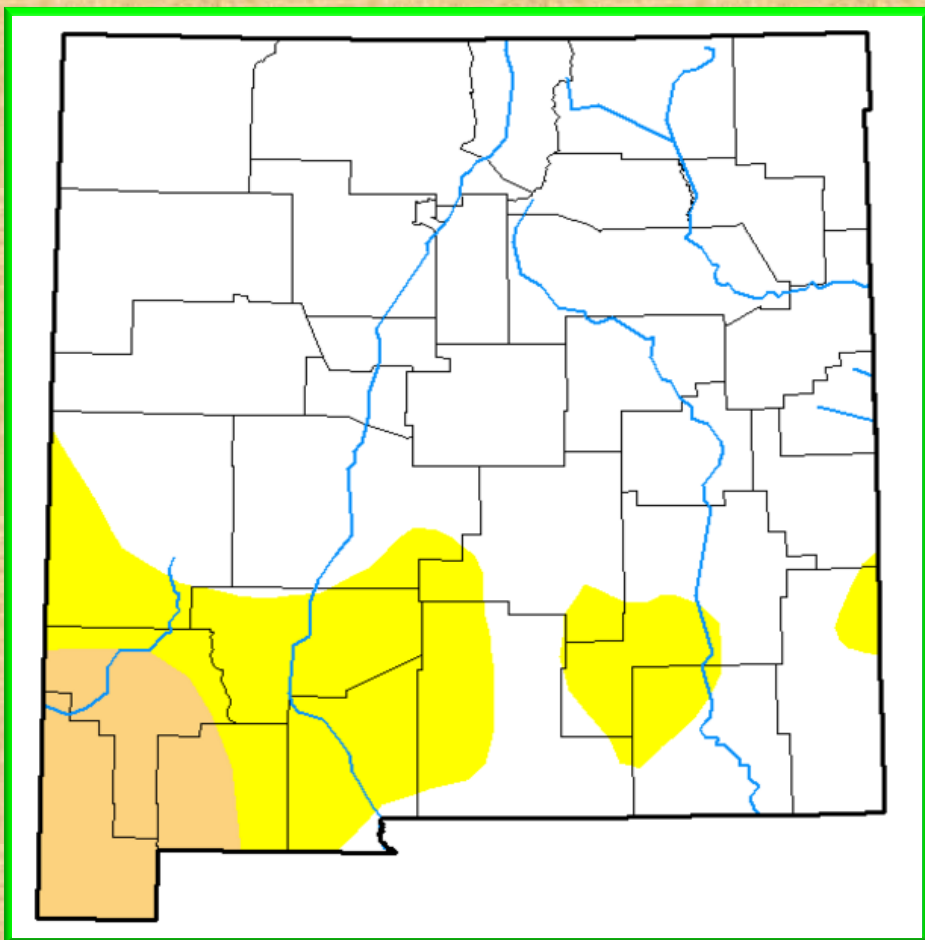
Mid-Jun IR/CPC Model-Based Probabilistic ENSO Forecast



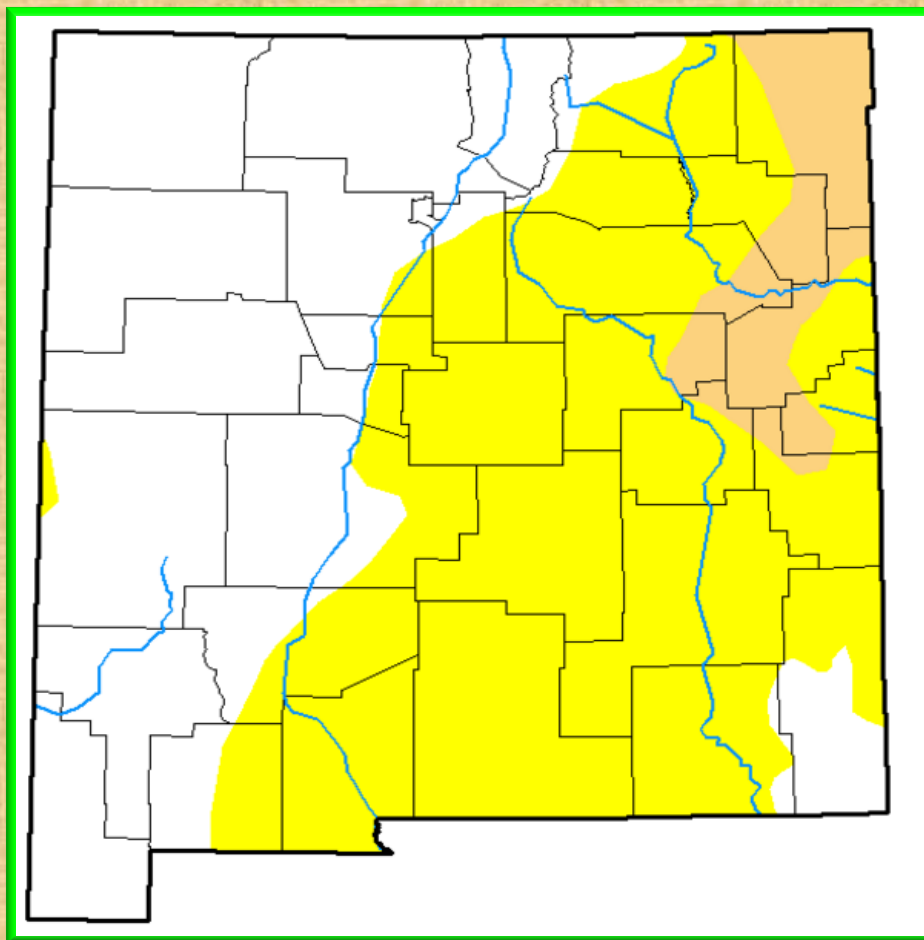
Current drought conditions for New Mexico and 3 month change

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

June 27, 2017








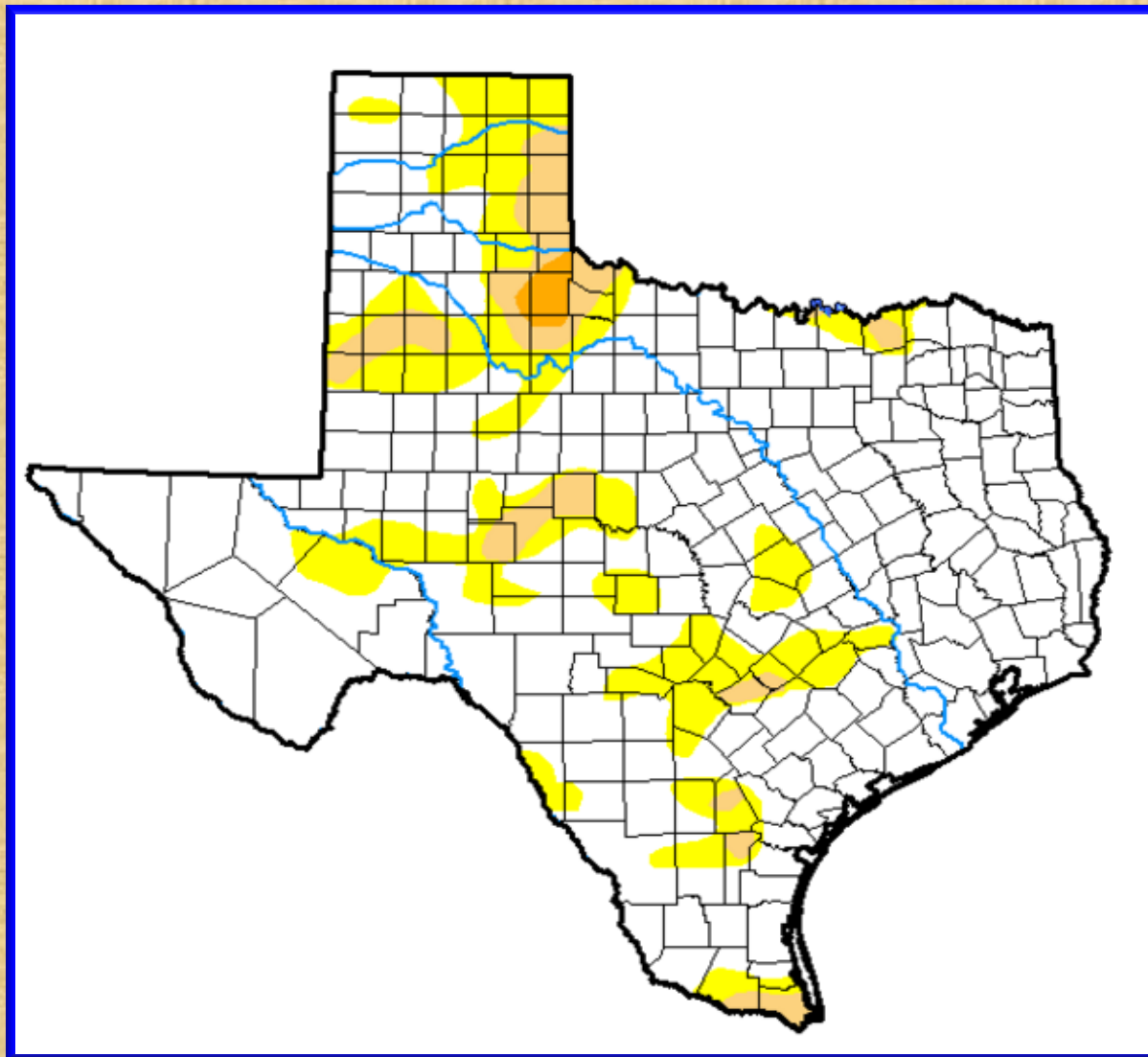
March 28, 2017



Current drought conditions for Texas as of June 27, 2017

Intensity:

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



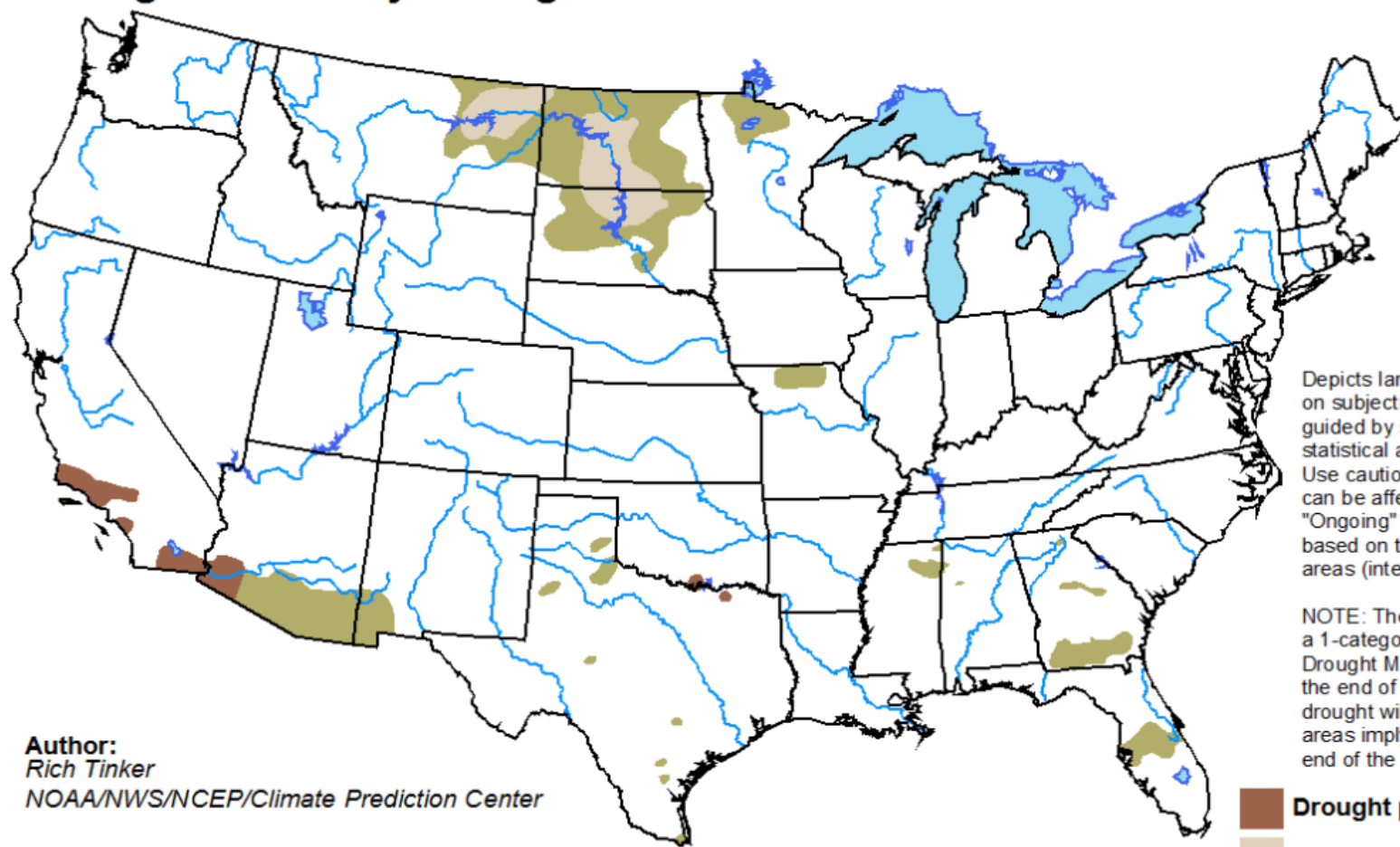
Build your own custom slider maps here at:

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

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period





Valid for June 15 - September 30, 2017
Released June 15, 2017

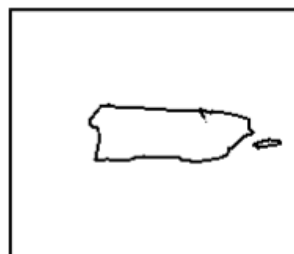
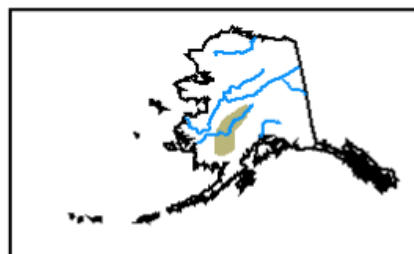


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

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

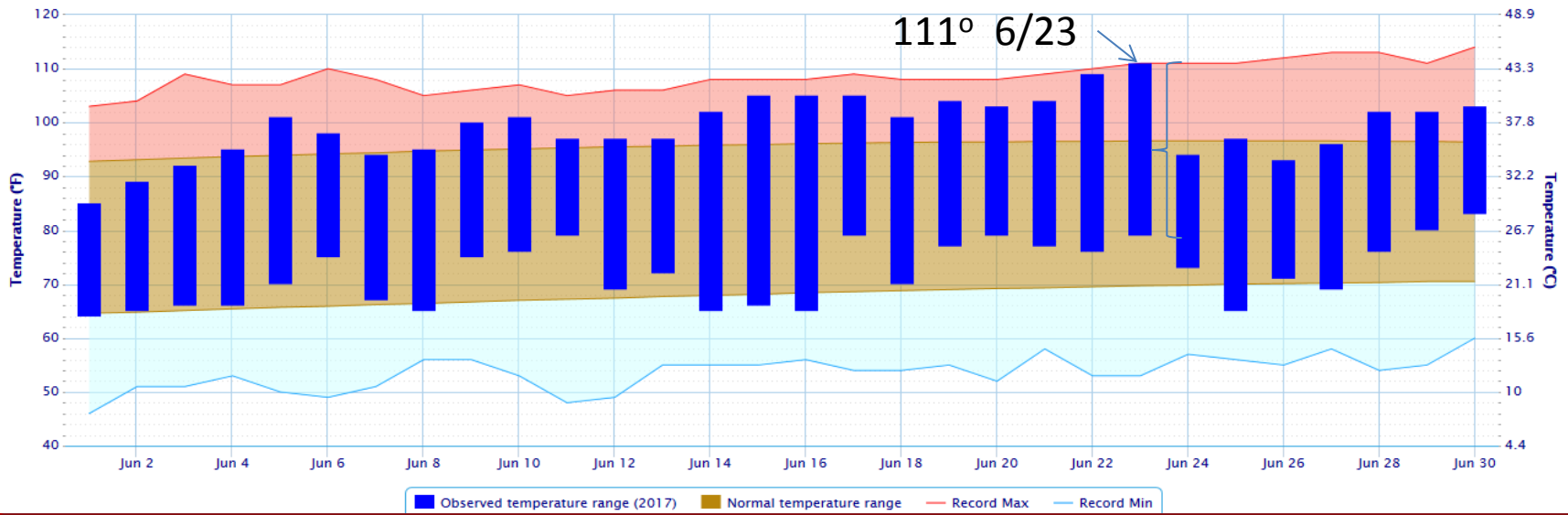


<http://go.usa.gov/3eZ73>

Temperature and precipitation data for June 2017 in El Paso

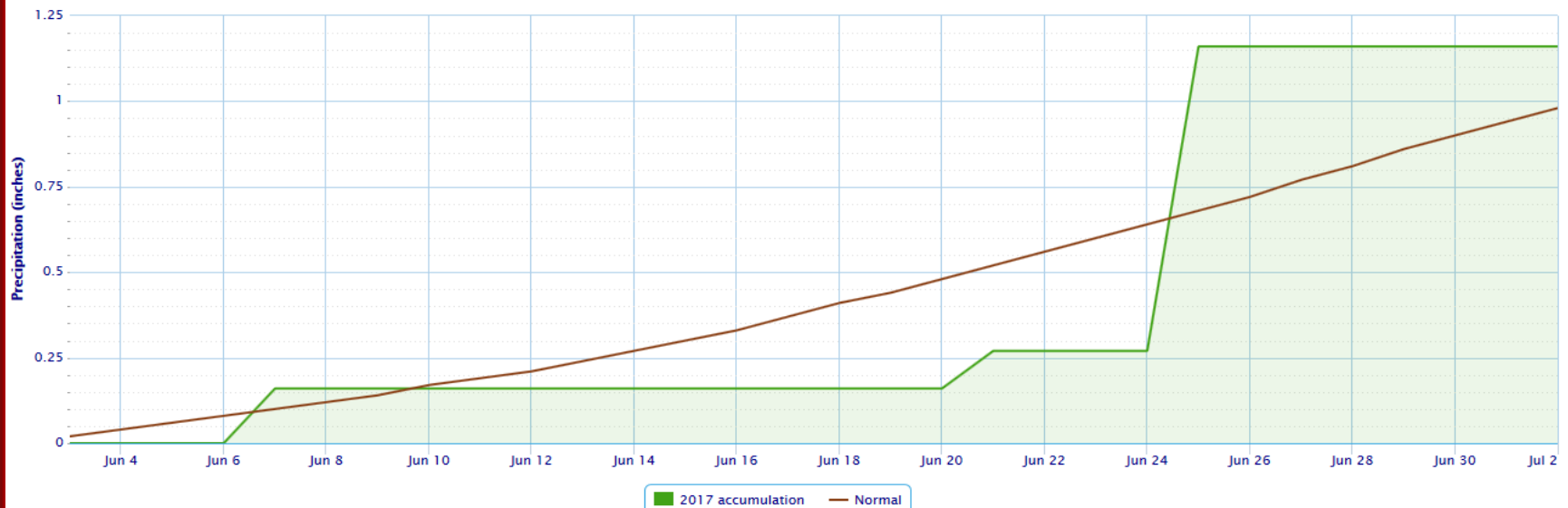
Daily Temperature Data – EL PASO INTL AP, TX

Period of Record – 1942-12-01 to 2017-07-01. Normals period: 1981-2010. Click and drag to zoom chart.

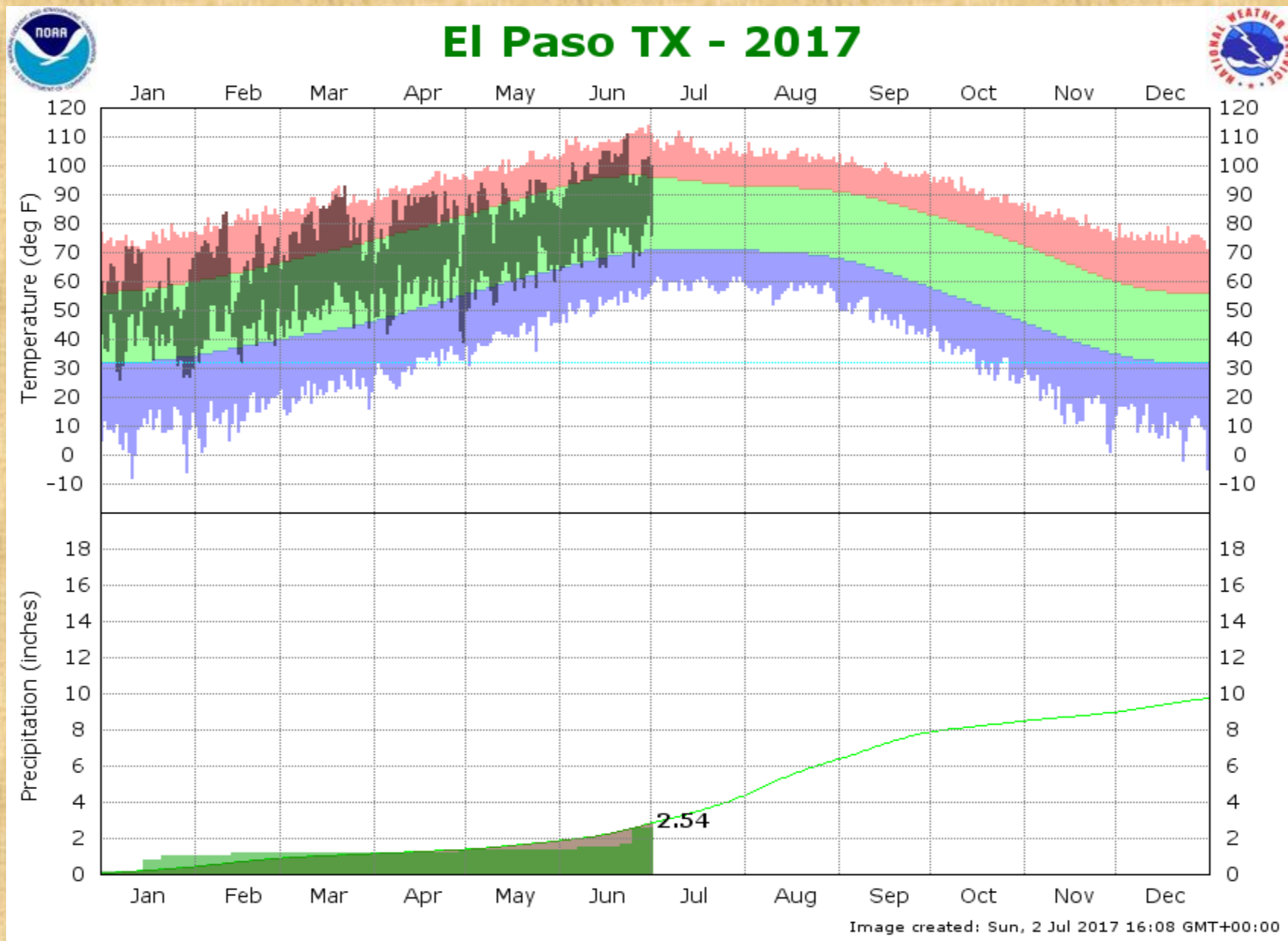


Accumulated Precipitation – El Paso Area, TX (ThreadEx)

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



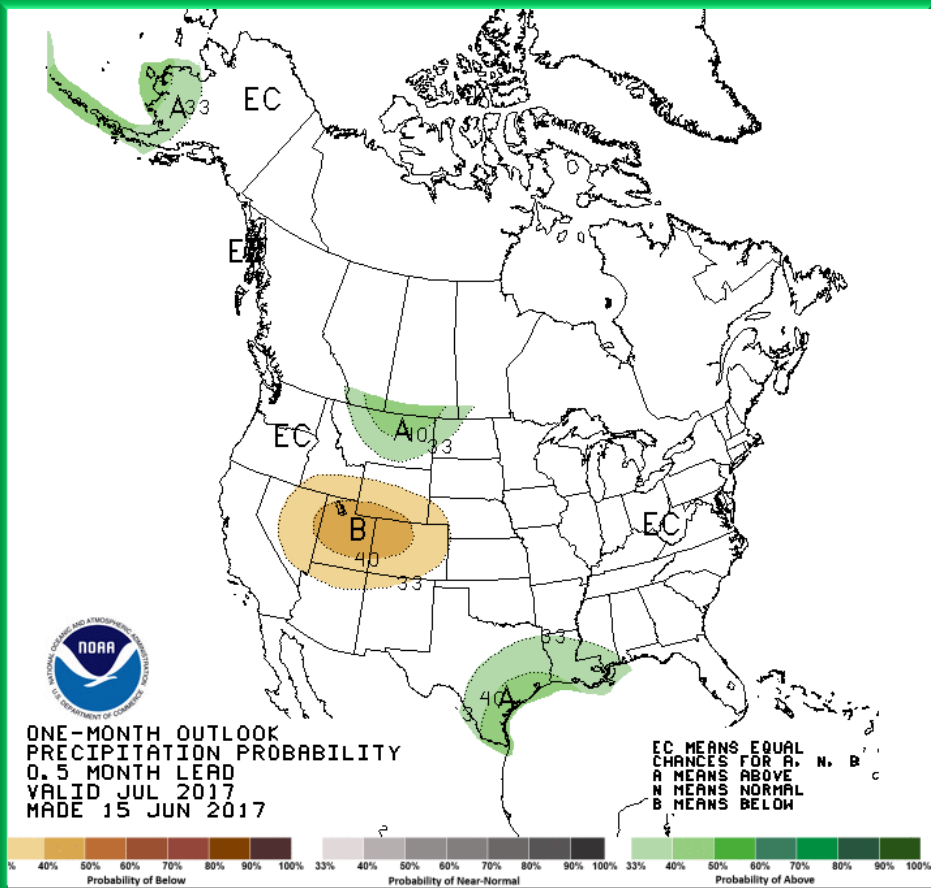
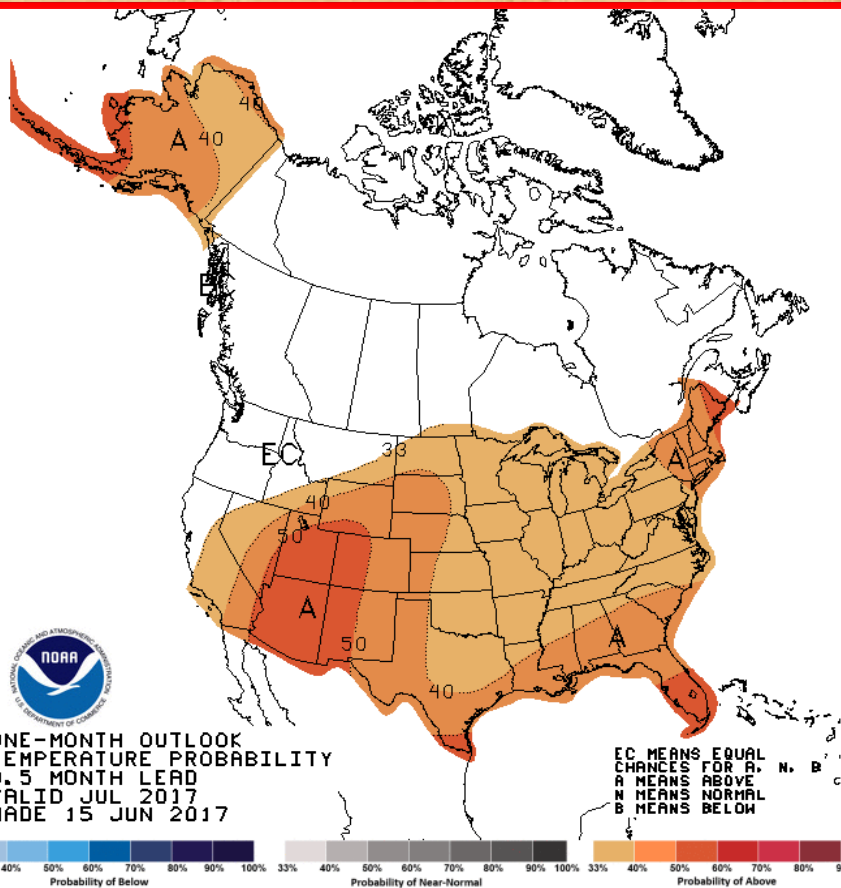
2017 year-to-date temperature and precipitation data El Paso



Temperature and precipitation outlook for July 2017

Temperature

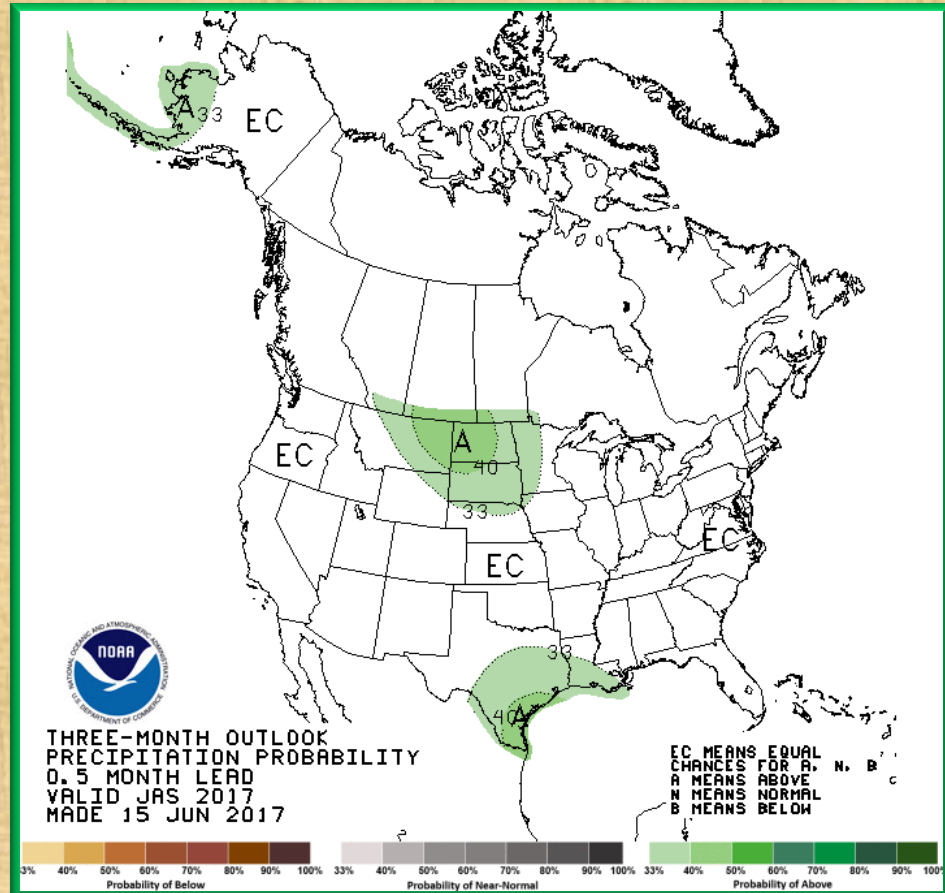
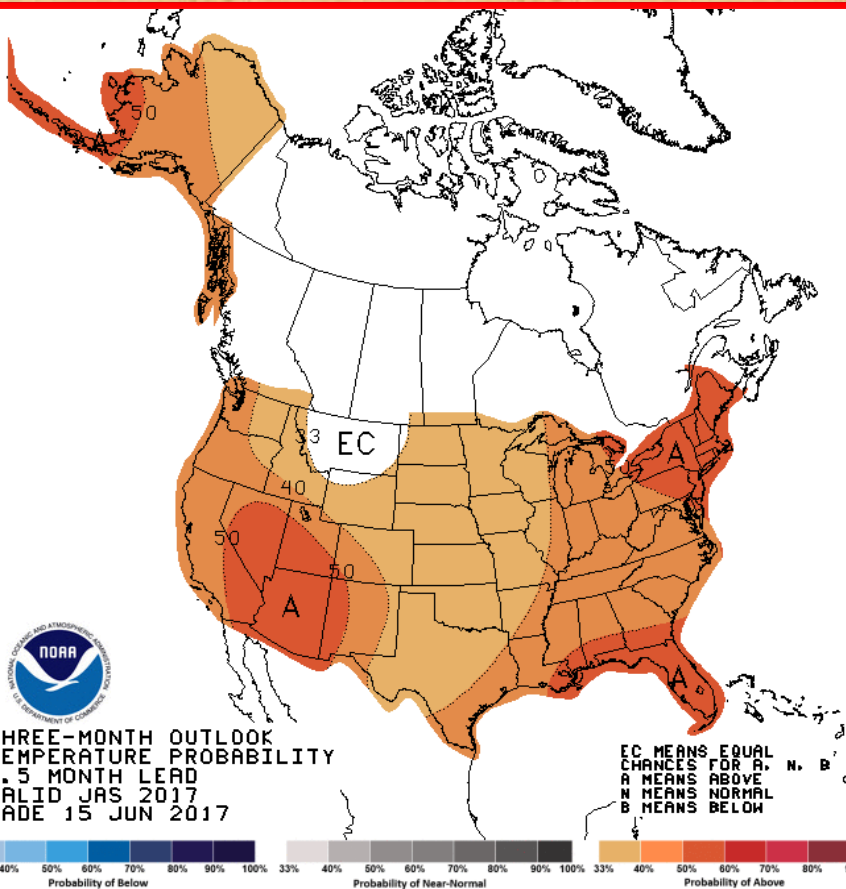
Precipitation



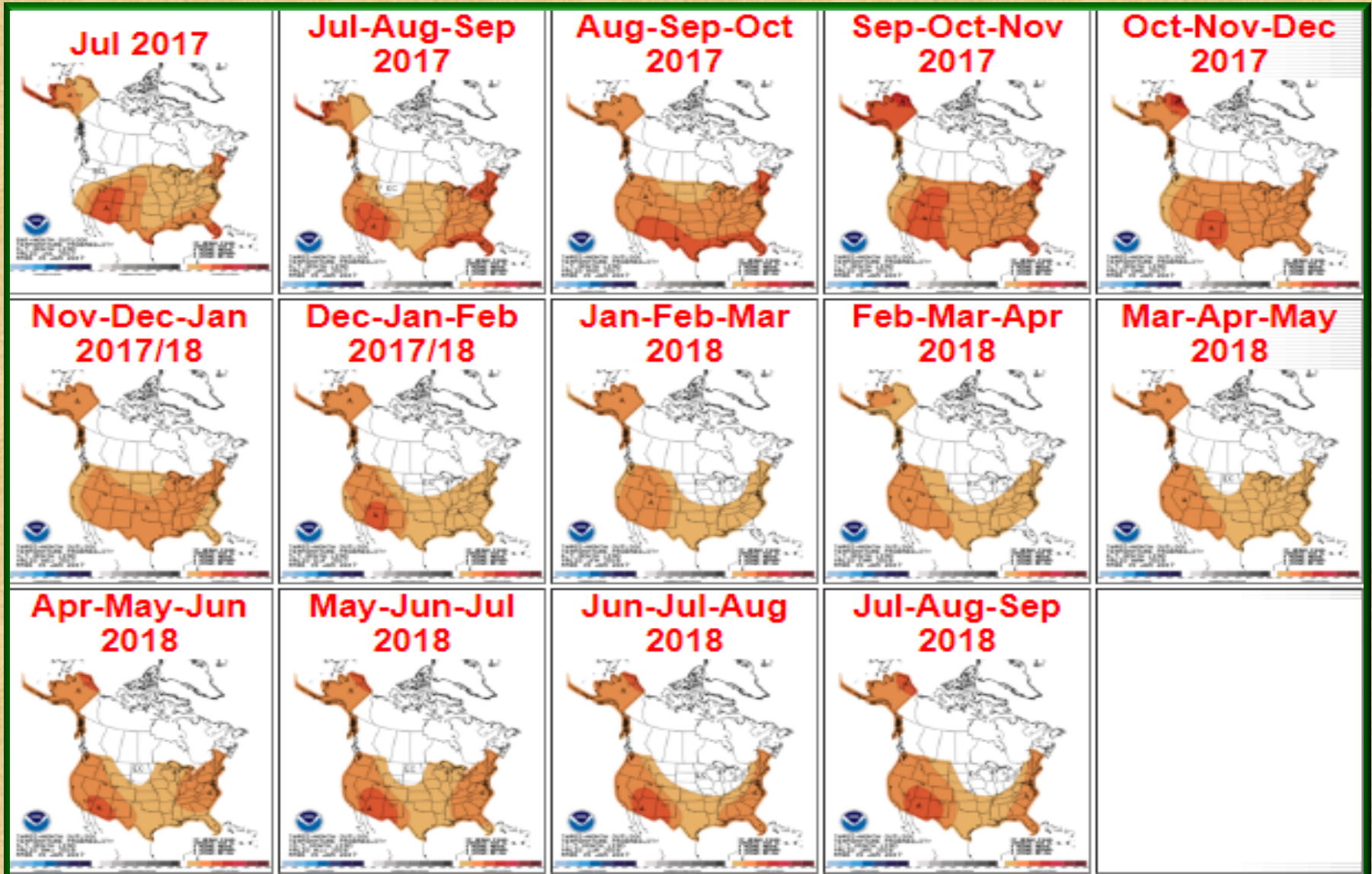
Temperature and precipitation outlook For July – September 2017

Temperature

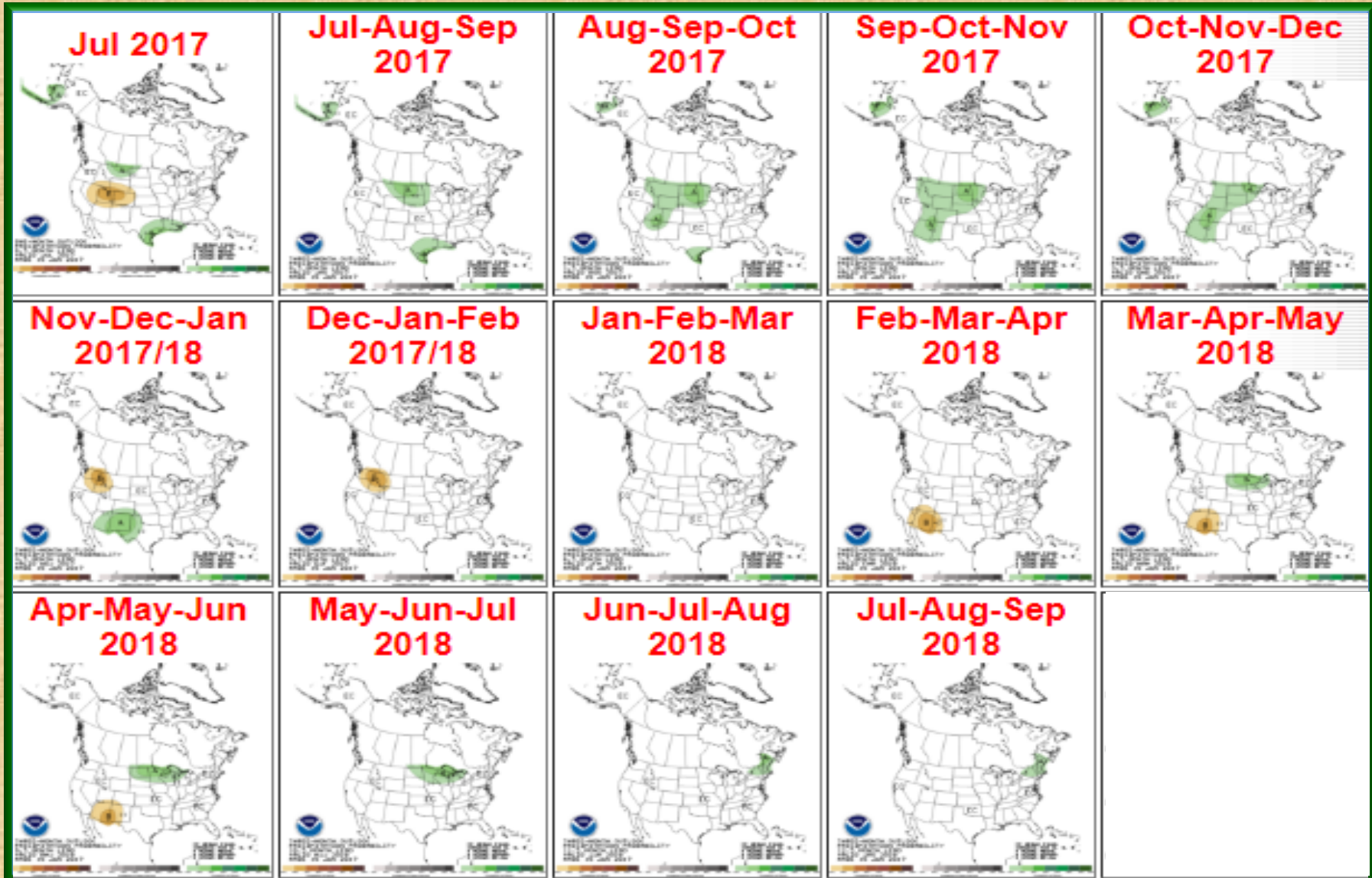
Precipitation



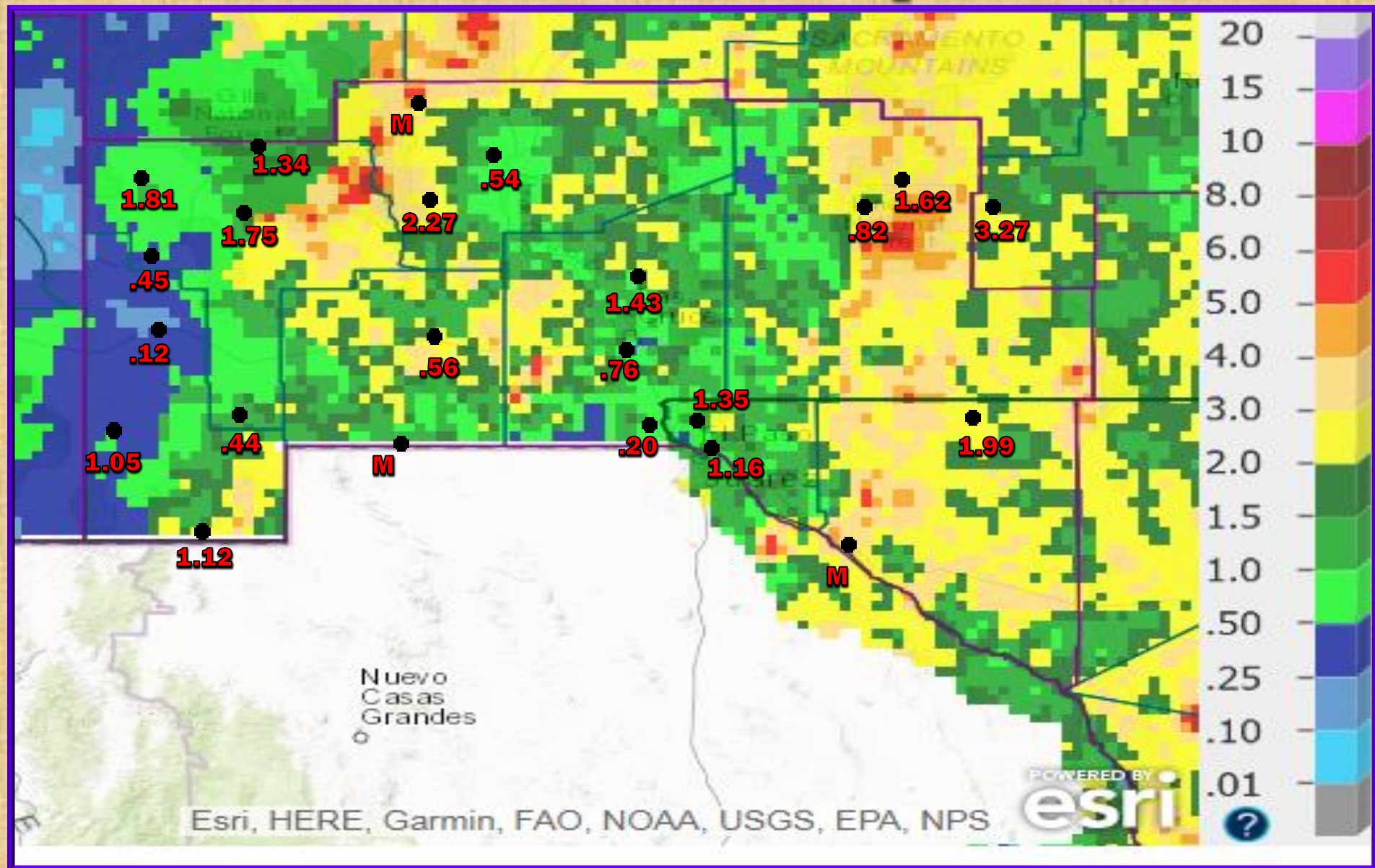
Temperature Outlook Through Sep 2018



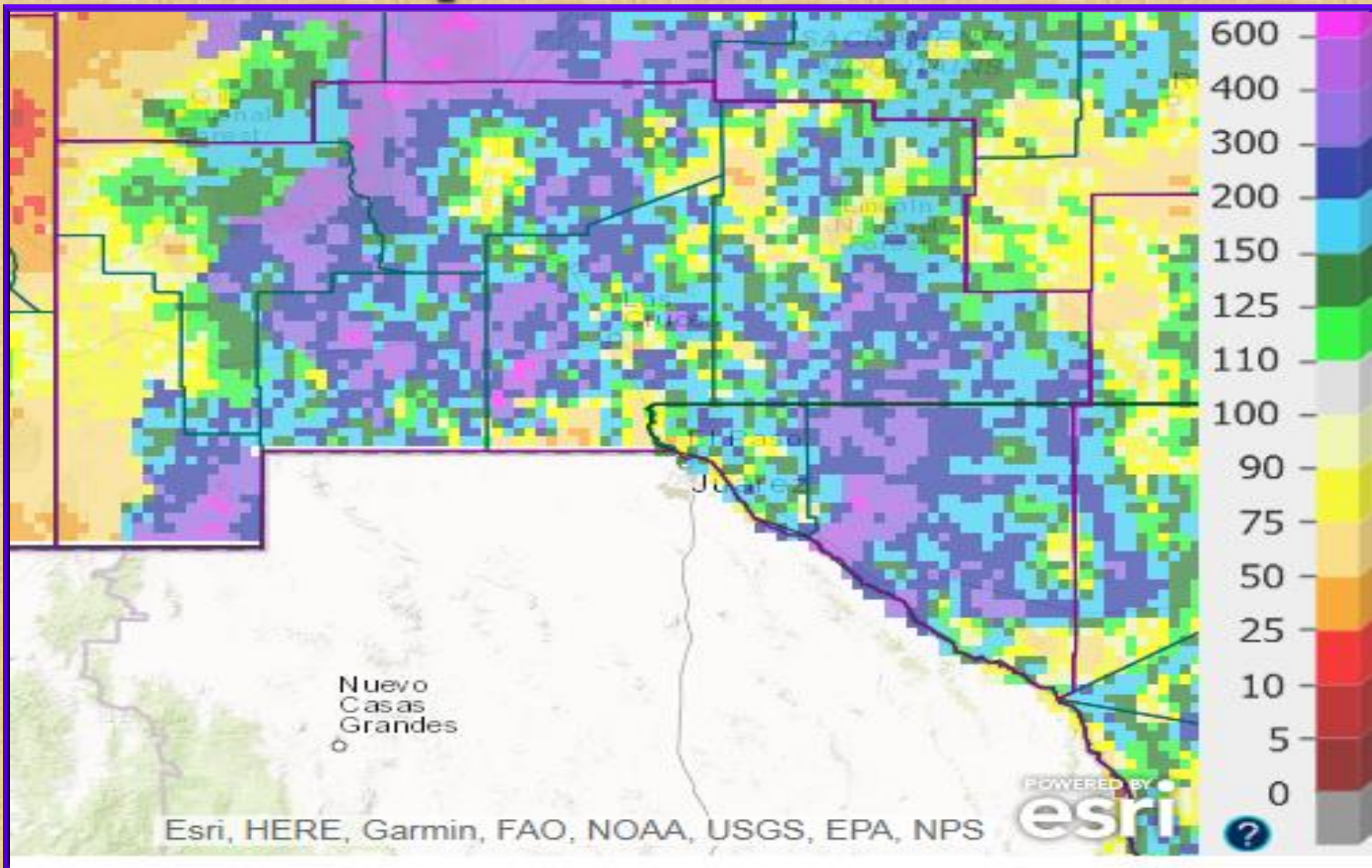
Precipitation Outlook Through Aug 2018



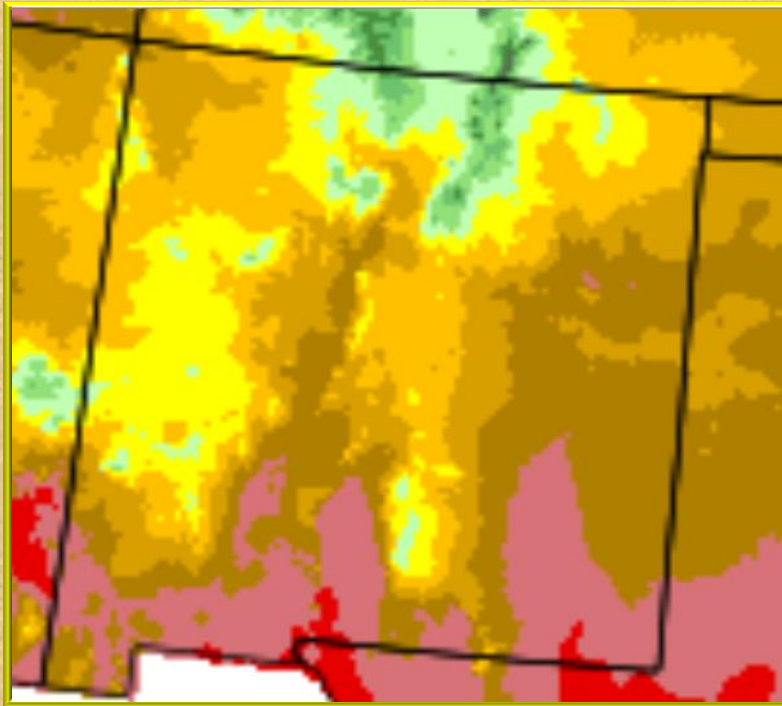
June 2017 radar rainfall estimate with surface rainfall reports



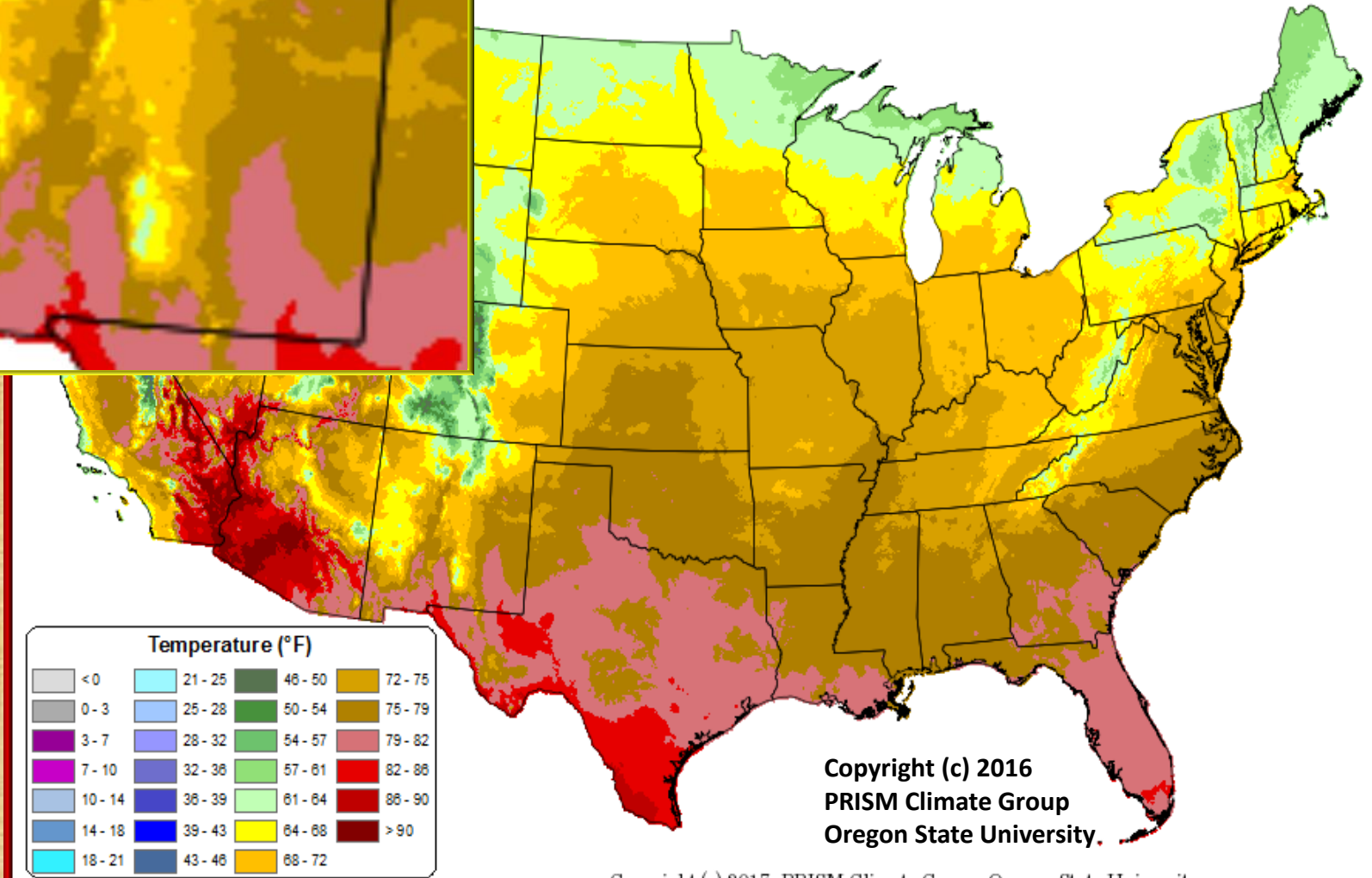
July 2017 radar rainfall estimate percent of normal



Average Daily Mean Temperature for June 2017



Average Daily Mean Temperature: June 2017
Period ending 7 AM EST 30 Jun 2017
(Map created 02 Jul 2017)



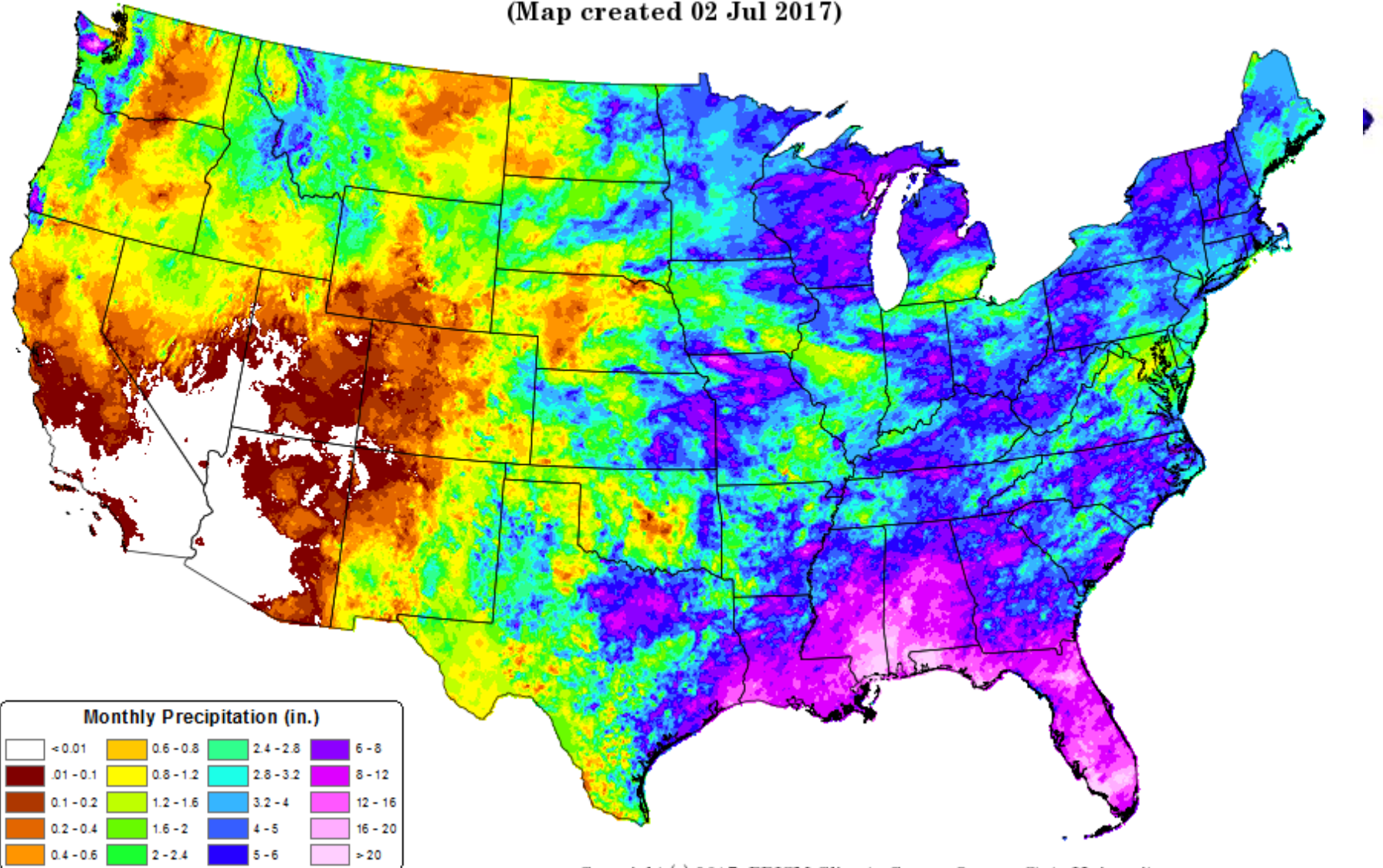
Copyright (c) 2016
PRISM Climate Group
Oregon State University.

Total Precipitation for June 2017

Total Precipitation: June 2017

Period ending 30 Jun 2017

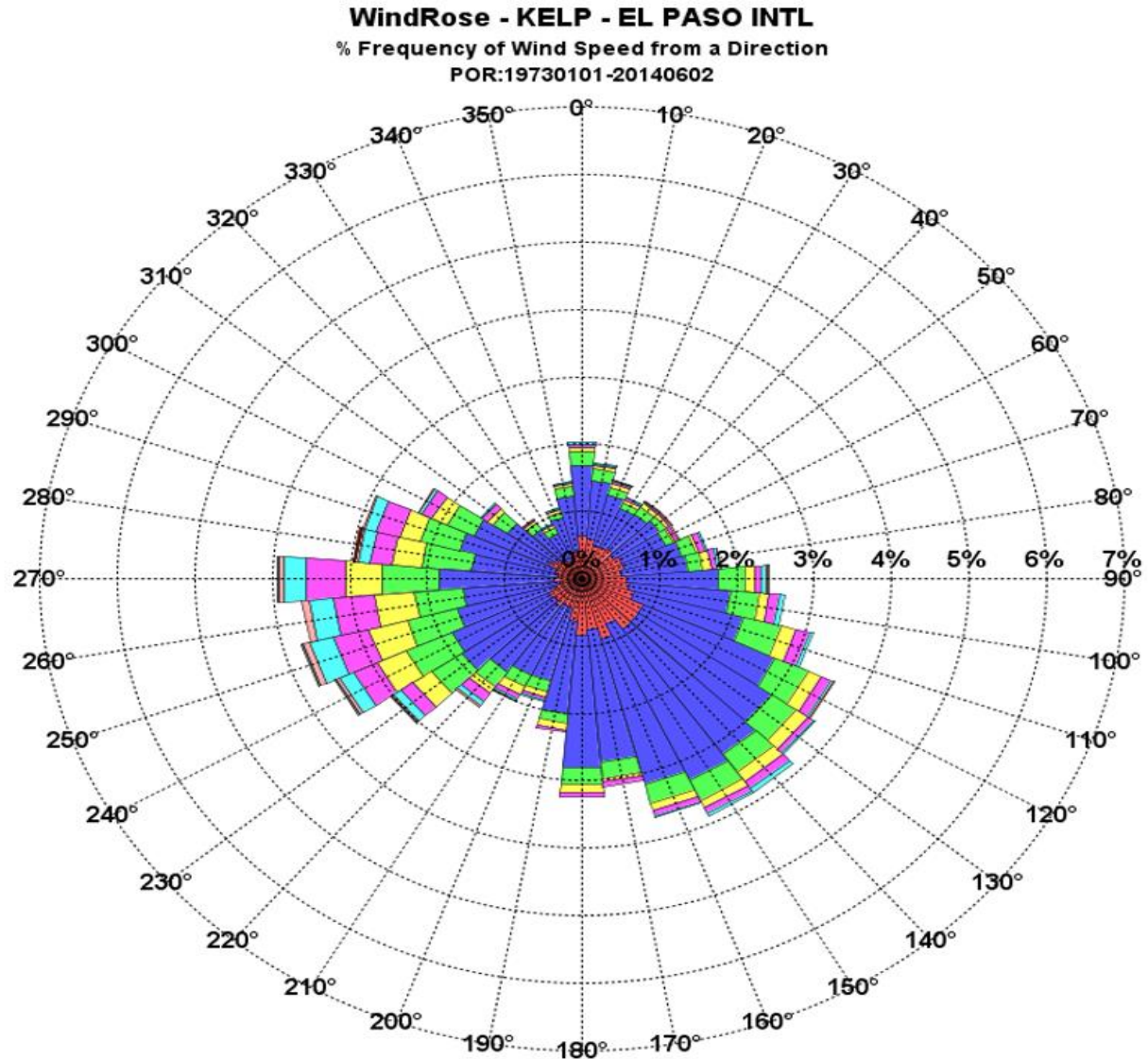
(Map created 02 Jul 2017)



Special Features

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

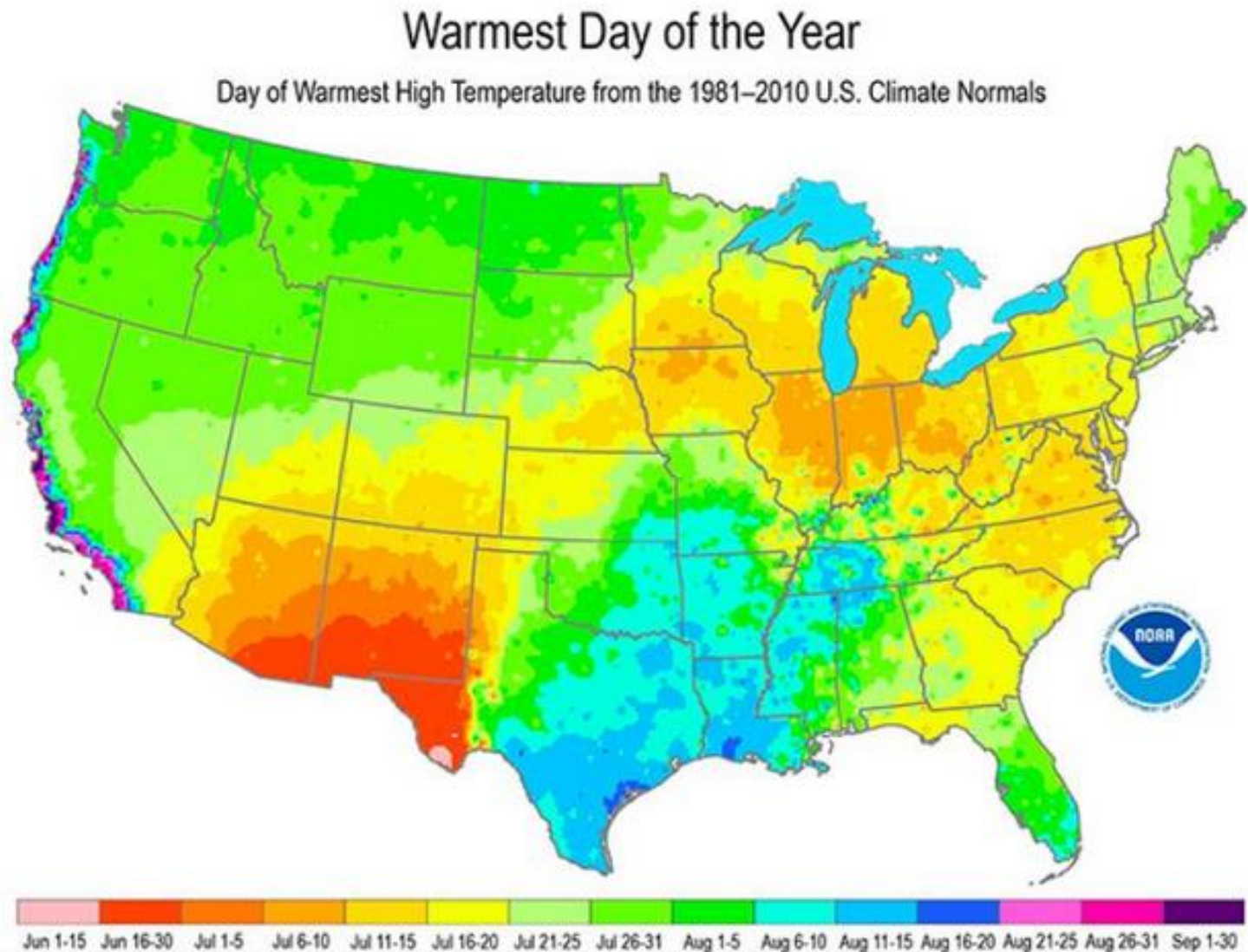
Month: JUNE
Calm: 8.00%
Variable: 3.55%



Selected weather reports June 2017

Date/Time	Location (County)	Event
06/07/2017 710 PM	ORGAN 2 E-DONA ANA	68 MPH THUNDERSTORM WIND
06/07/2017 955 PM	ALAMOGORDO AIRPORT-OTERO	60 MPH THUNDERSTORM WIND
06/19/2017 728 PM	WSMR MAIN POST-OTERO	1.25 INCH HAIL
06/19/2017 616 PM	DONA ANA 1 E-DONA ANA	1.00 INCH HAIL
06/19/2017 600 PM	CANUTILLO 2 SW-EL PASO	1.00 INCH HAIL
06/19/2017 609 PM	WESTWAY 8 E-EL PASO	1.00 INCH HAIL

No wonder why June is so Hot. It's supposed to be !



Average warmest day of the year across the Lower 48 states. (NCDC)



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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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El Paso, TX
 Weather Forecast Office

Current Hazards Current Conditions Radar Forecasts Rivers and Lakes Climate and Past Weather **Local Programs**



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.



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	

24 / 7 WATCHING THE SKIES OVER YOU !

