

May 2020 Weather Digest



May 2020 Weather Summary

May continued the dry trend that began in April as much of the area reported well below normal rainfall. The good news is that both months show the lowest monthly normal rainfalls, so this situation is not uncommon and is easy to overcome with just moderate rainfall amounts in June. Much of the area reported rainfall of less than one-tenth of an inch, though some isolated storms were able to drop one-quarter inch or more of rain in May. With the continued dry weather, there were not many events during the month. The one big event was a strong late season cold front pushing in from the east. This front produced unusually strong winds with a few locations, mostly along west slopes of mountains, reporting winds of 50 to 70 mph. This front also brought about 10 to 20 degrees of cooling on the 8th, compared to the previous day.

Looking at temperatures, May showed a healthy above normal for most stations, both for high temperatures and low temperatures. El Paso set 5 new record daily high temperatures, oddly enough all tied, for the month.

May 2020 Weather Summary, cont'd

Looking ahead to June, we reach a transition month. June is the first month to start increasing the average monthly rainfall after the dry spring season. We also often, though not always, begin transitioning into the monsoon summer wind flow pattern. The summer monsoon season officially starts on June 15, but it is not uncommon to have to wait until the first half of July to see the season actually begin. We also experience our longest daylight of the year, the summer solstice, which this year falls on the 20th. Daylight increases from 14 hours and 5 minutes on the 1st, to 14 hours and 13 minutes on the 20th. We then begin the long, slow progression back to shorter daylight. For you fans of the moon, our full moon for June is on the 5th, while the new moon occurs on the 21st. There are no eclipses visible from North America this month-you will have to wait for a Penumbral Lunar Eclipse in July for the next visible eclipse. High temperatures at El Paso continue to warm from 93 on the 1st, to 96 on the 30th.

May 1 Brush Fire as rainless days continue



May 10 Rainbow El Paso



May 10 Rainbow El Paso



May 10 Rainbow Santa Teresa



May 10 Storm Clouds Santa Teresa



May 11 Storm over Juarez



ENSO conditions are neutral. Alert system is not active

ENSO Alert System

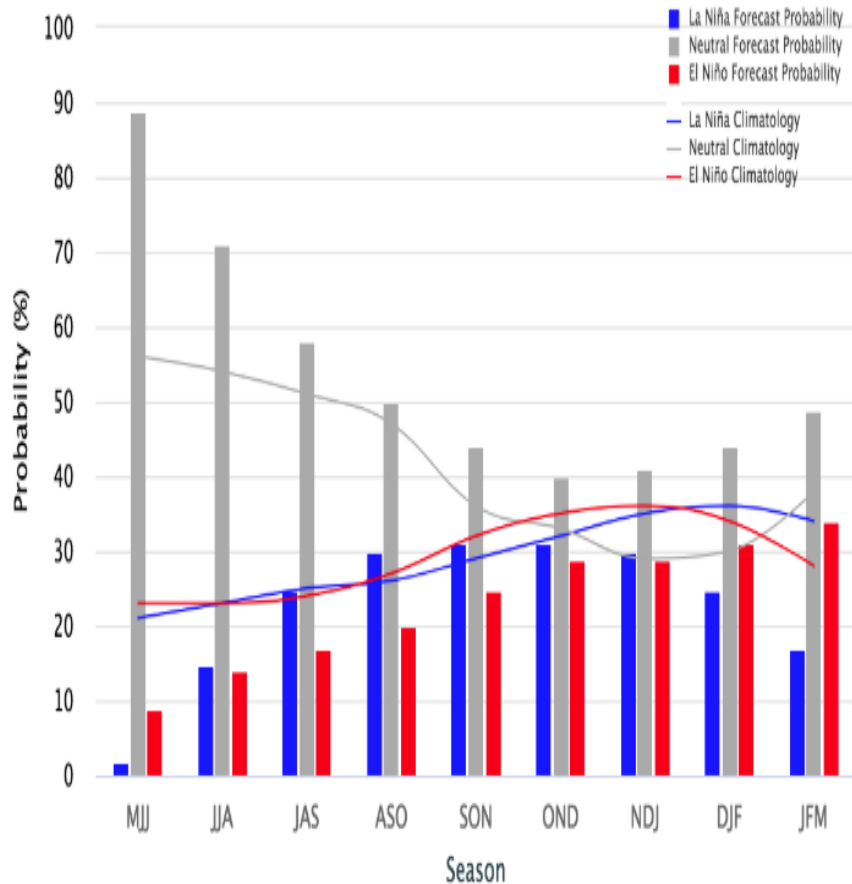
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

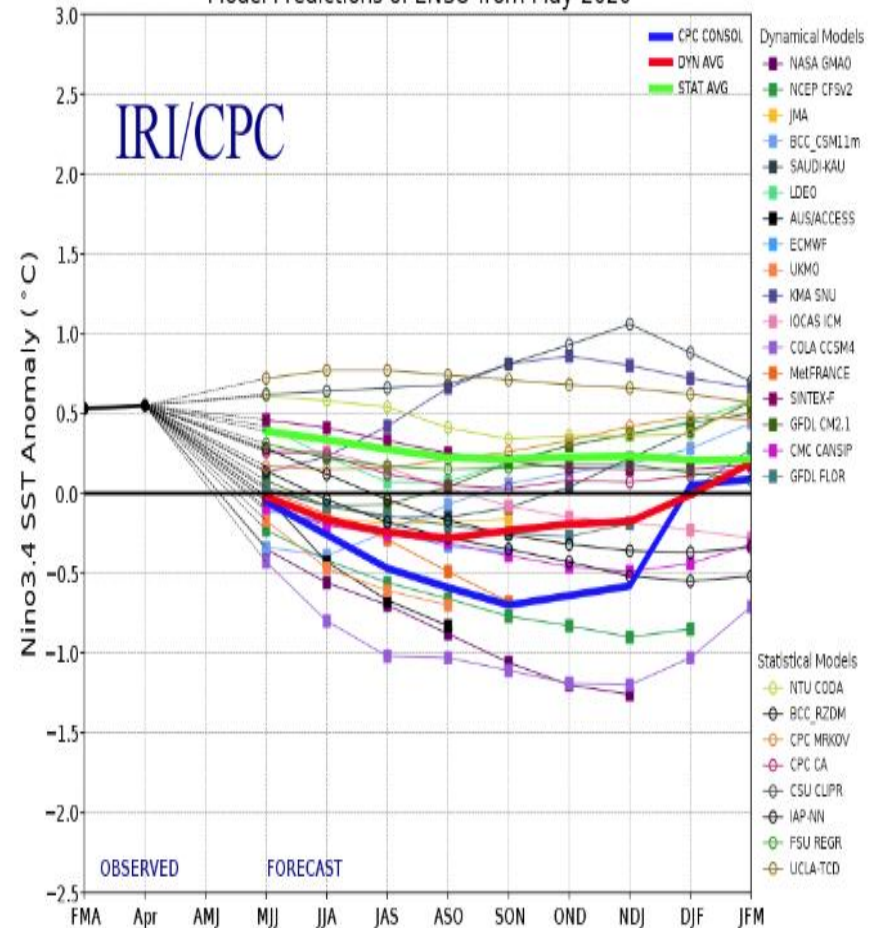
ENSO is now in a neutral phase and is expected to remain that way into this winter

Mid-May 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



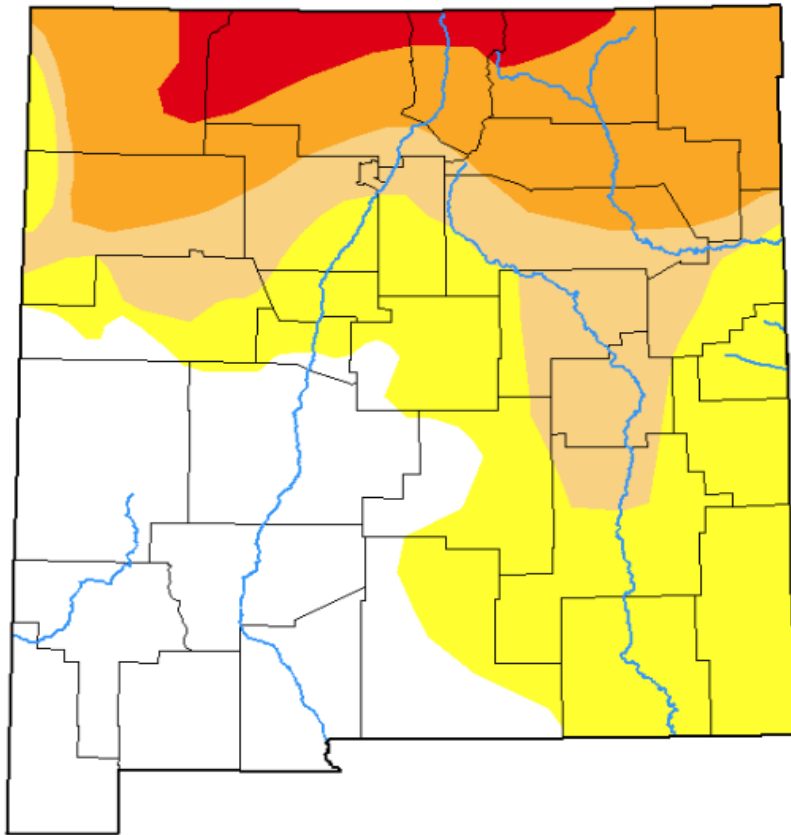
Model Predictions of ENSO from May 2020



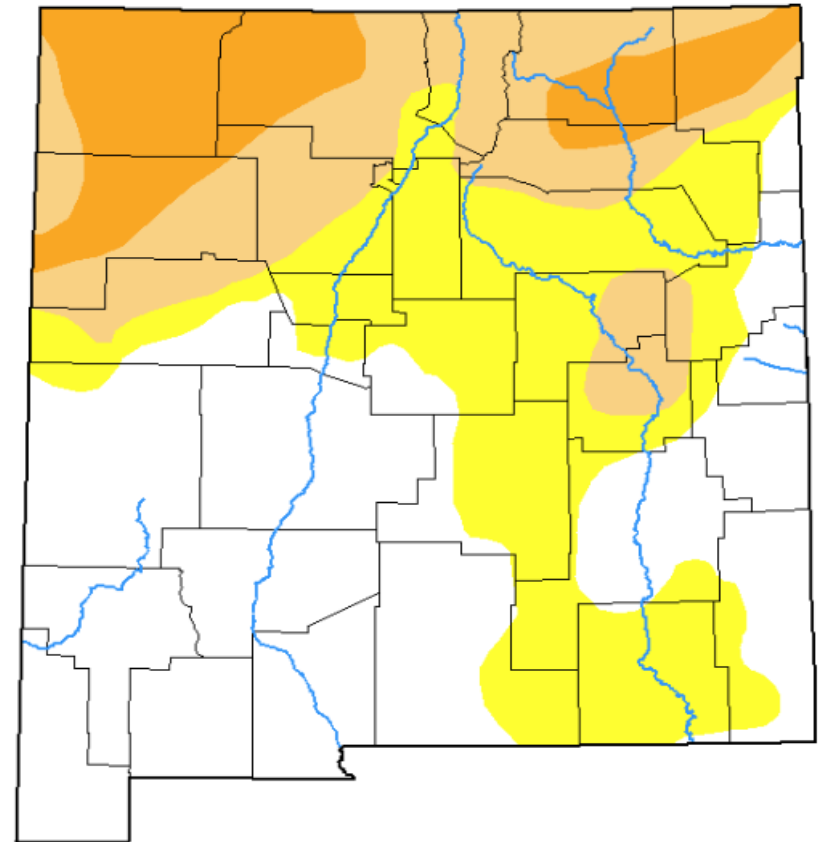
Current drought conditions for New Mexico and 3 month change

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

May 26, 2020








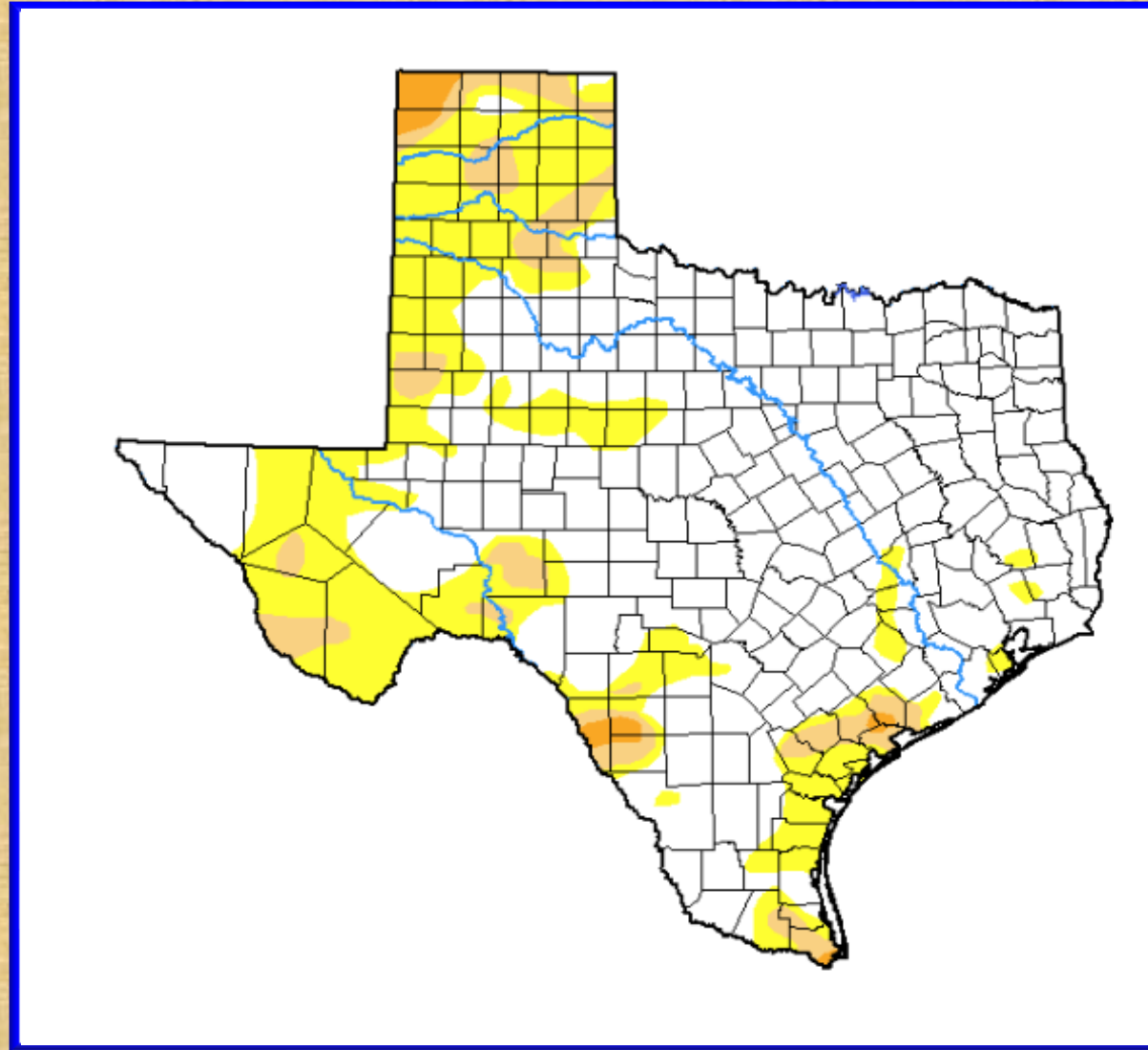
February 25, 2020



Current drought conditions for Texas as of May 26, 2020

Intensity:

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

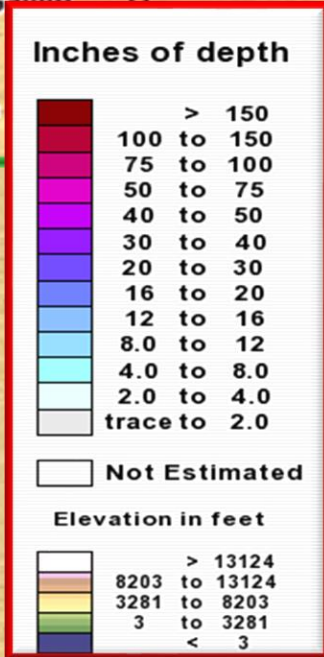
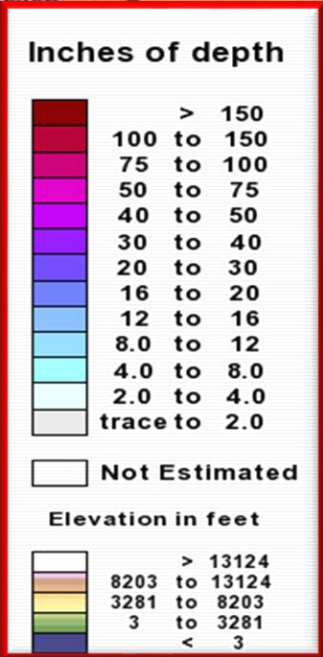
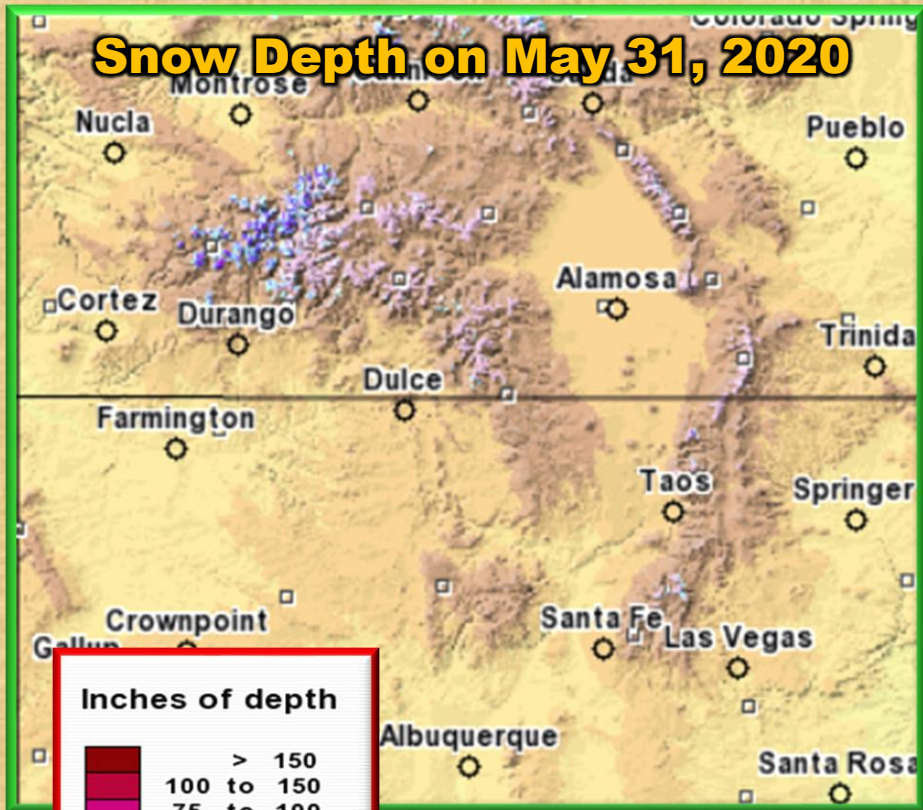
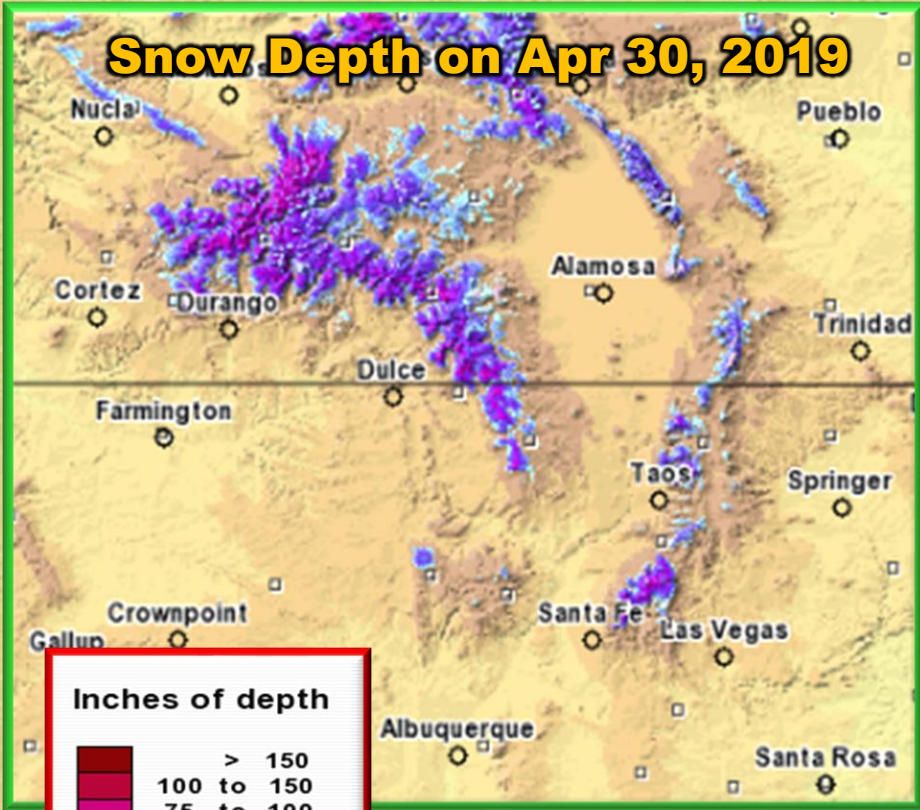


Build your own custom slider maps here at:

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

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

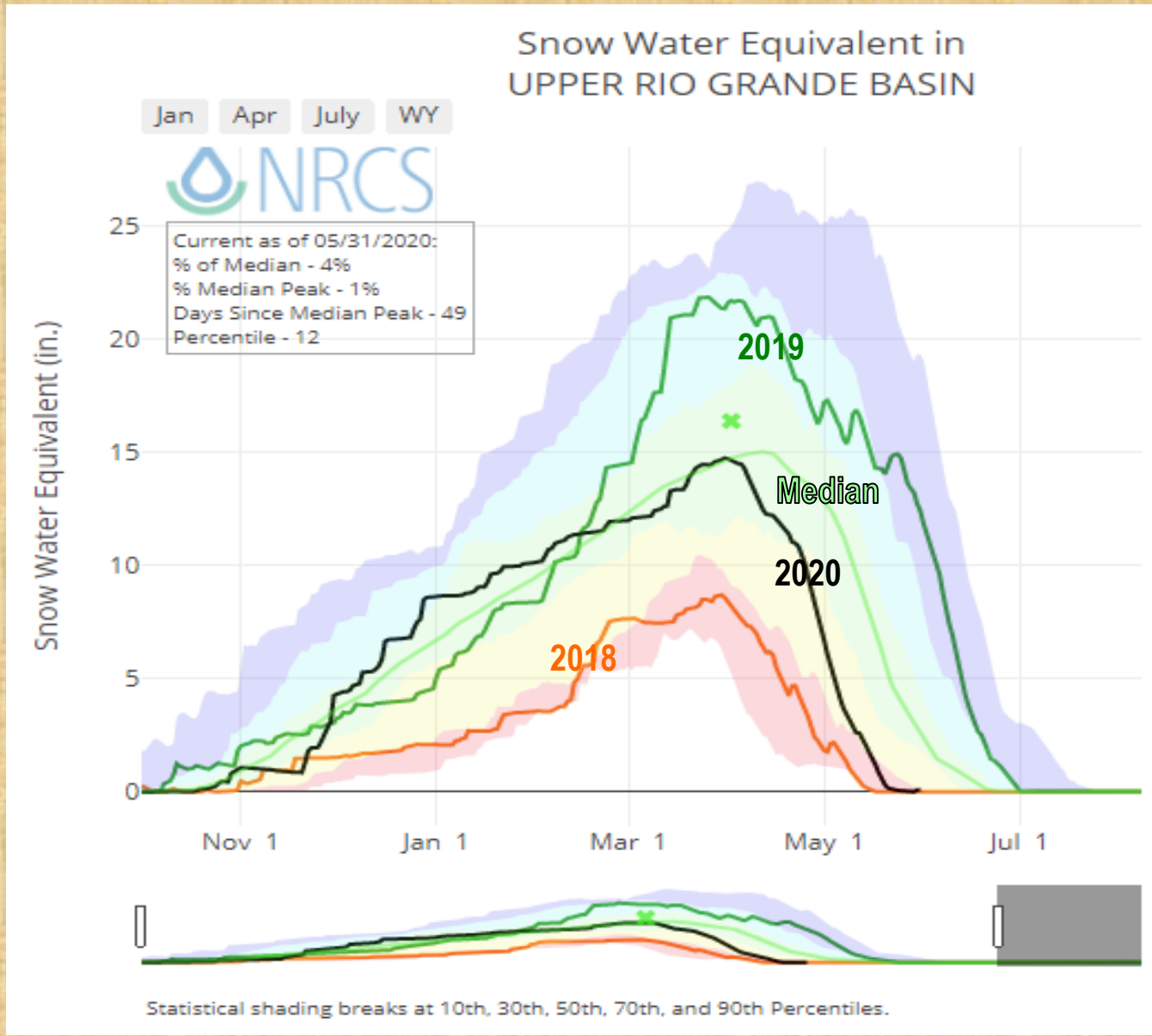
Last report of the season



Snow Water Equivalent as of May 31, 2020

Compare to last few years and average values

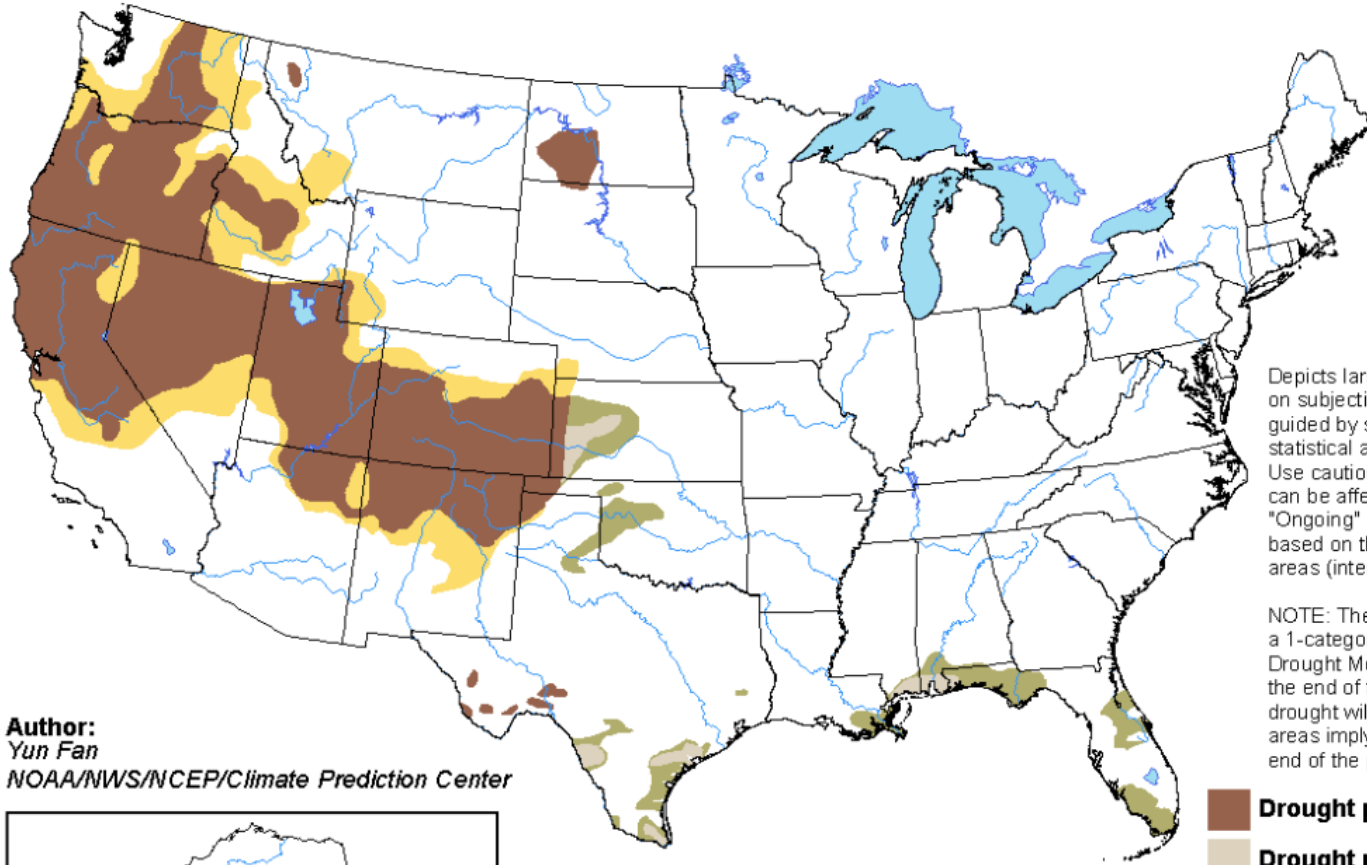
Last report of the season



U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

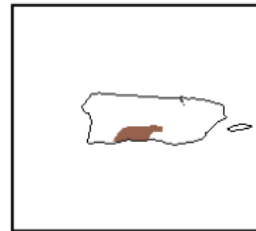
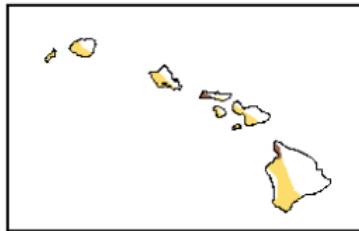
Valid for May 21 - August 31, 2020
Released May 21




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:
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NOAA/NWS/NCEP/Climate Prediction Center



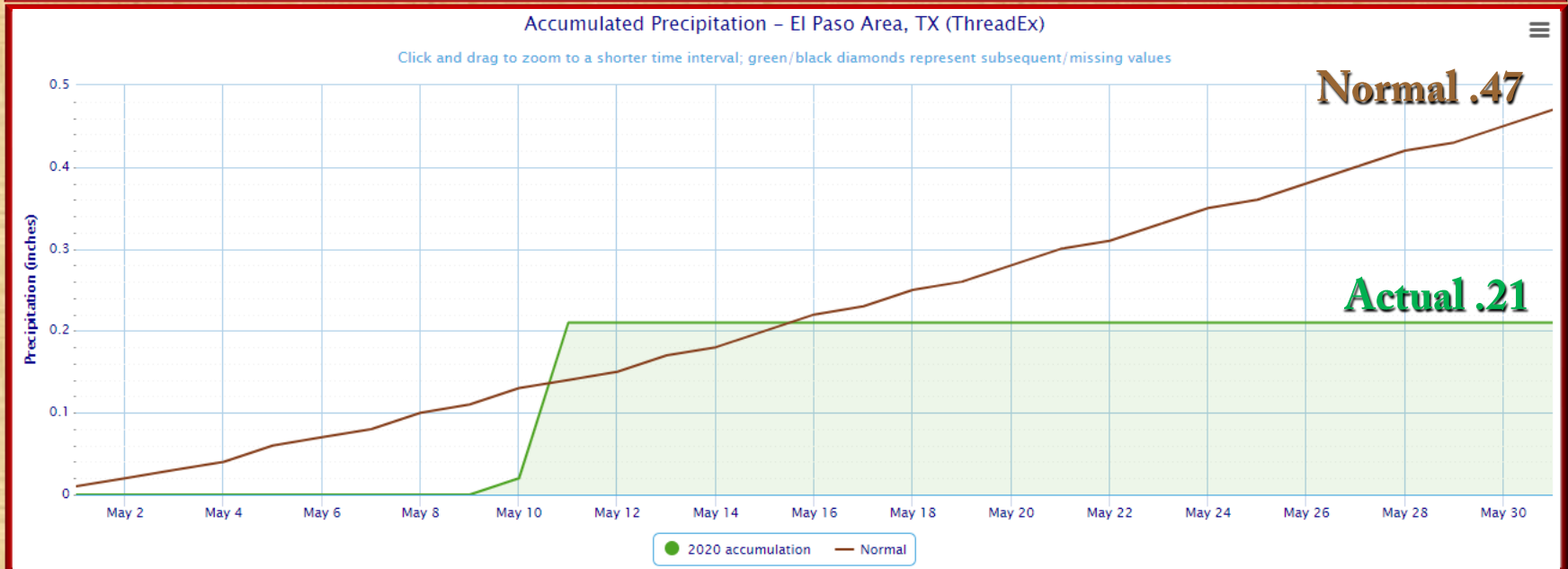
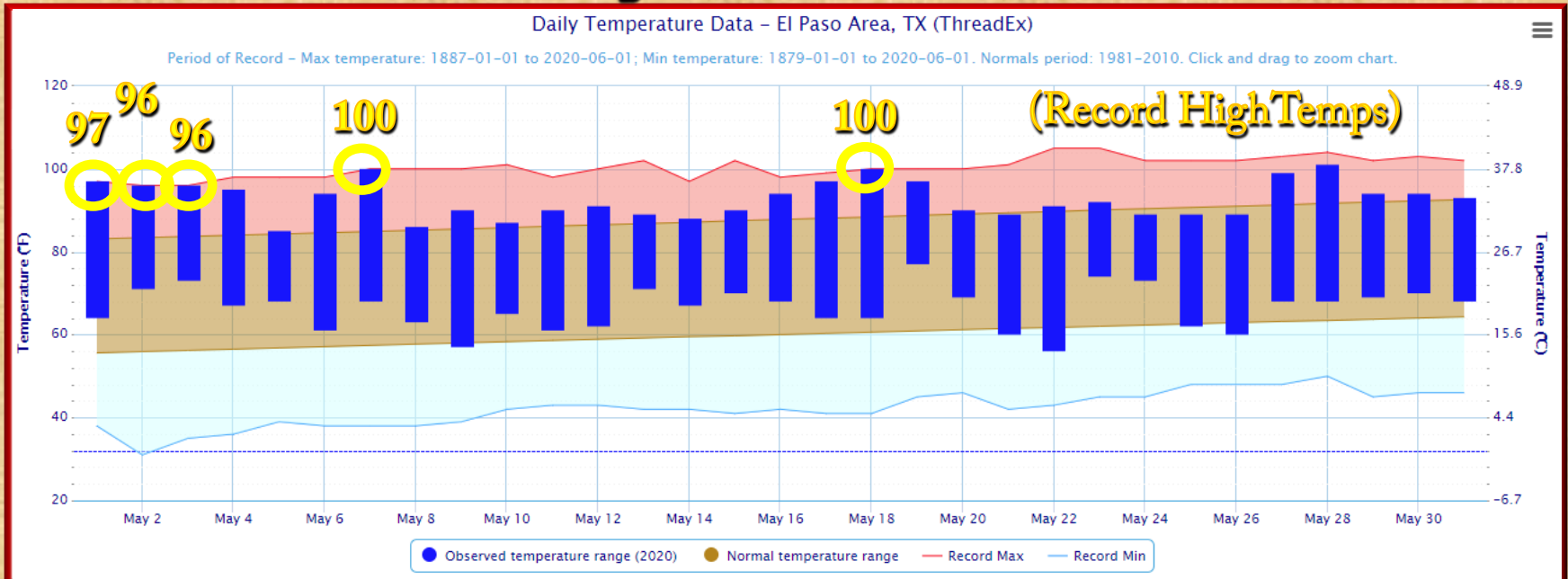
-  Drought persists
-  Drought remains but improve
-  Drought removal likely
-  Drought development likely



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

Temperature and precipitation data for May 2020 in El Paso

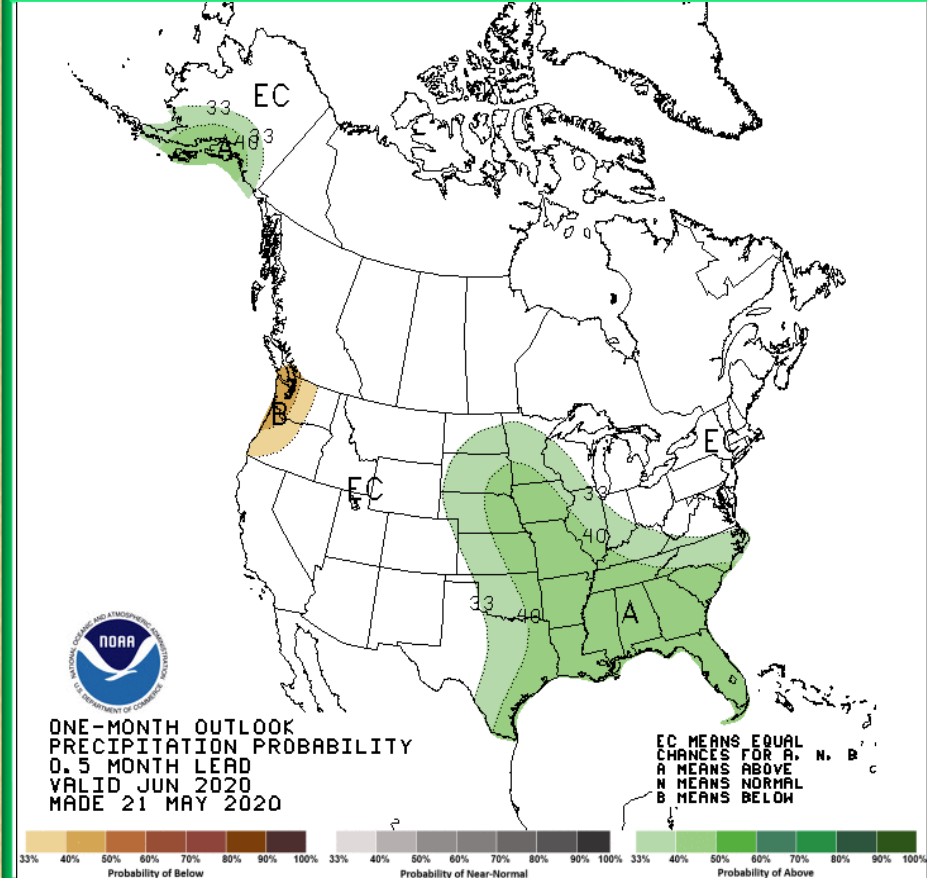
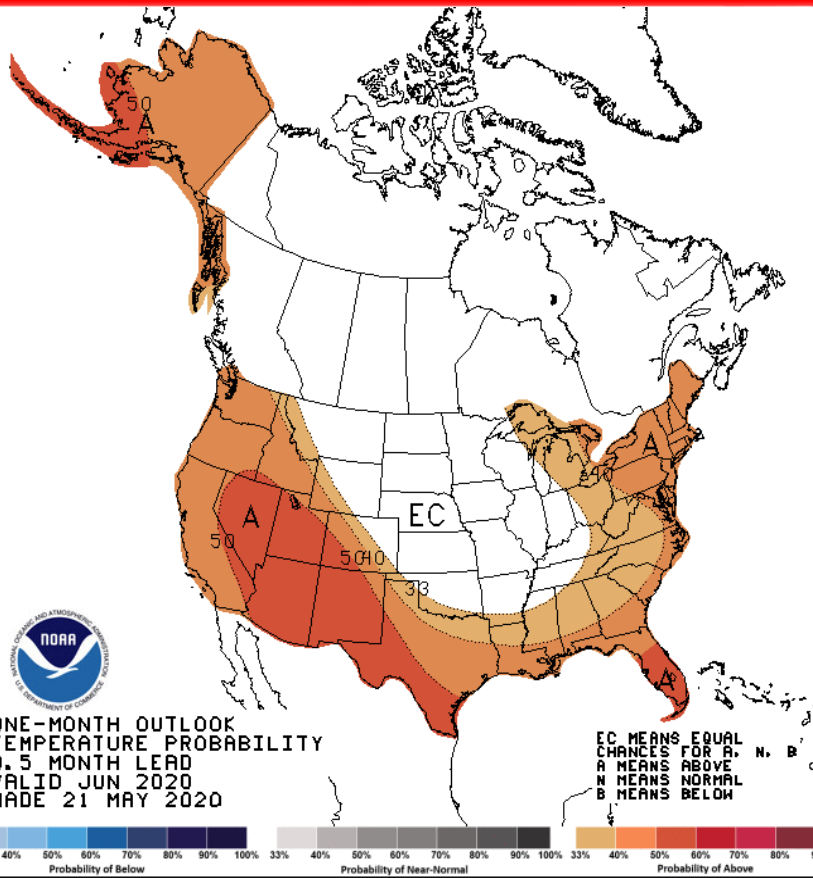
○ = record



Temperature and precipitation outlook for June 2020

Temperature

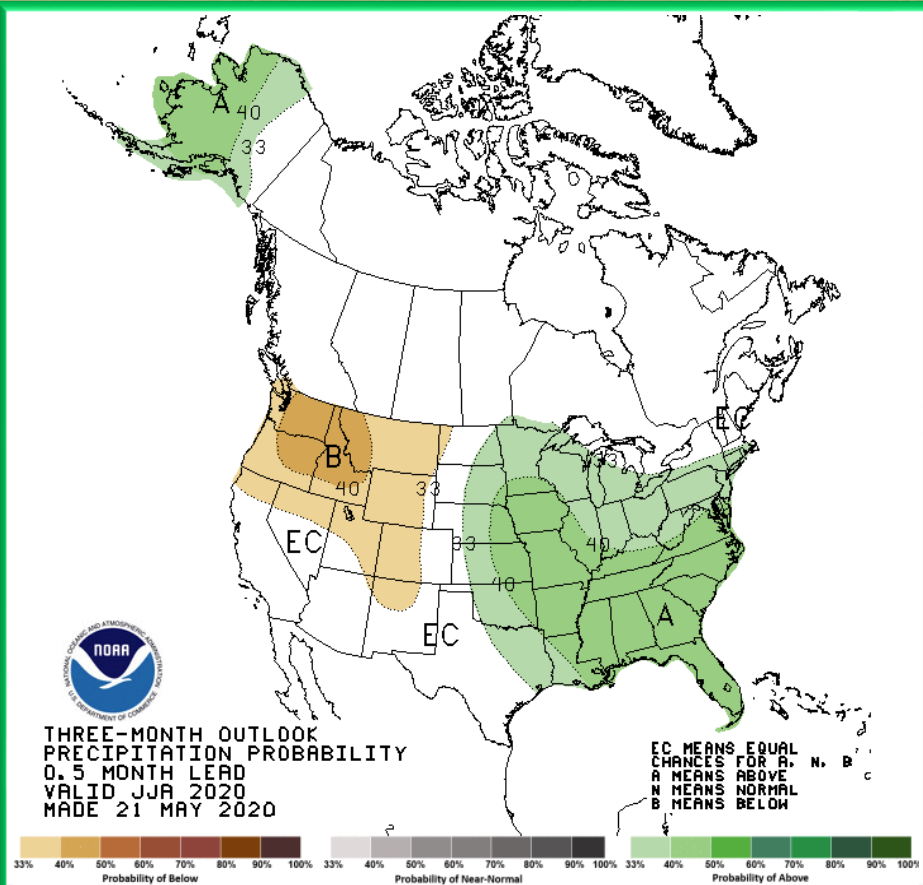
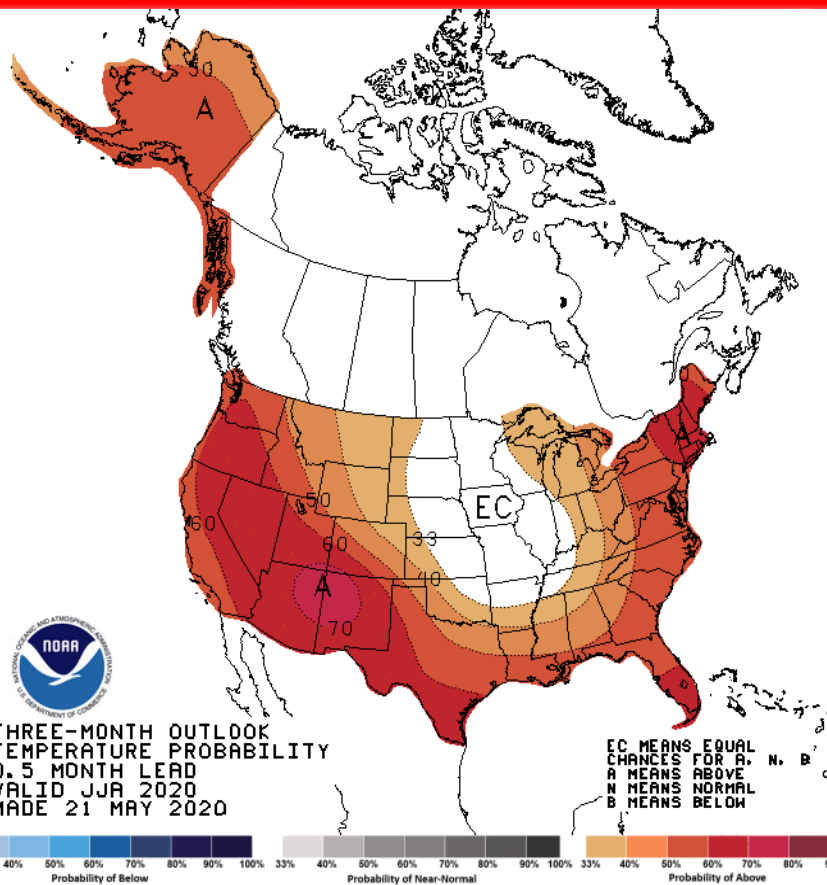
Precipitation



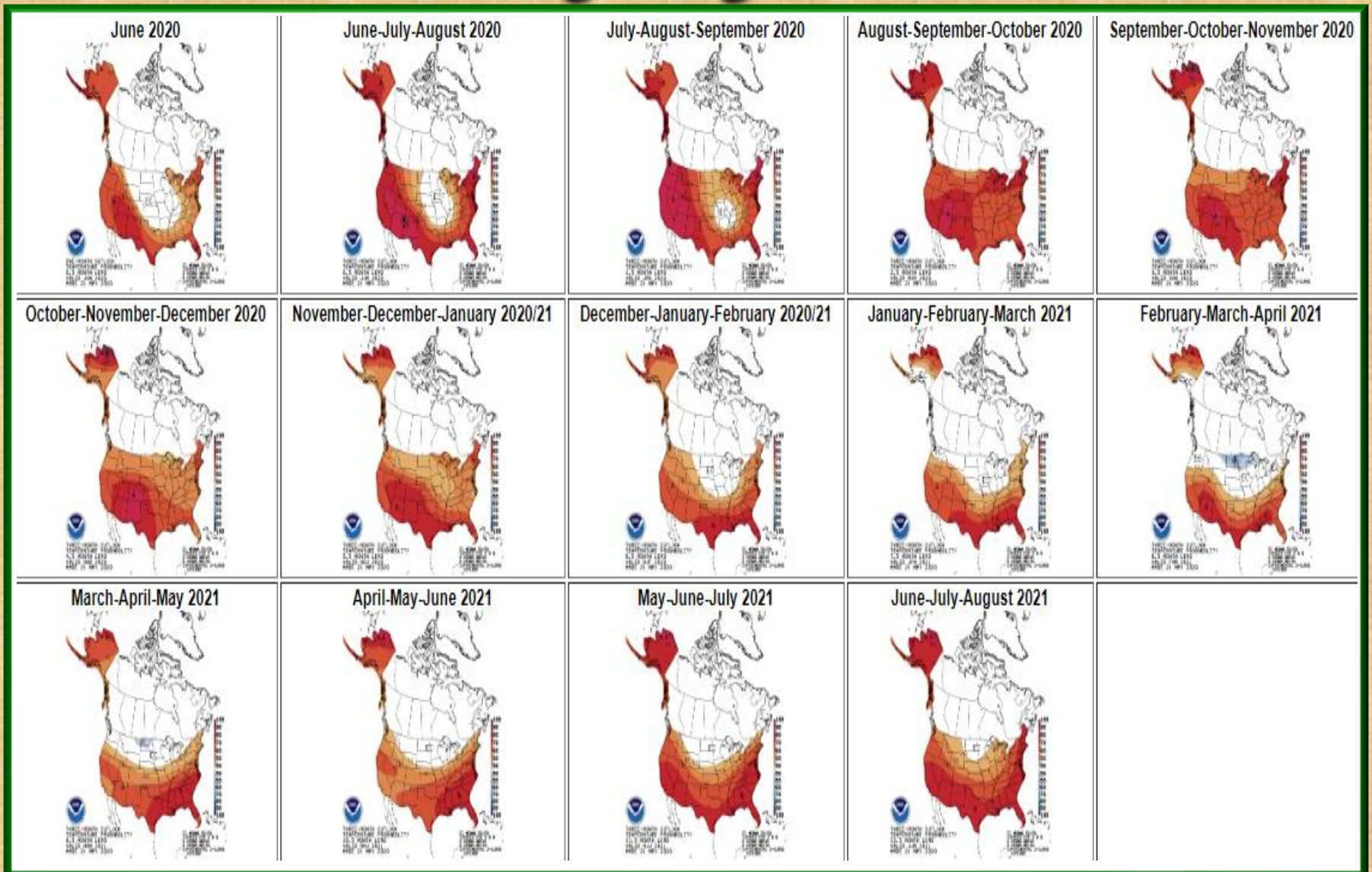
Temperature and precipitation outlook For June-August 2020

Temperature

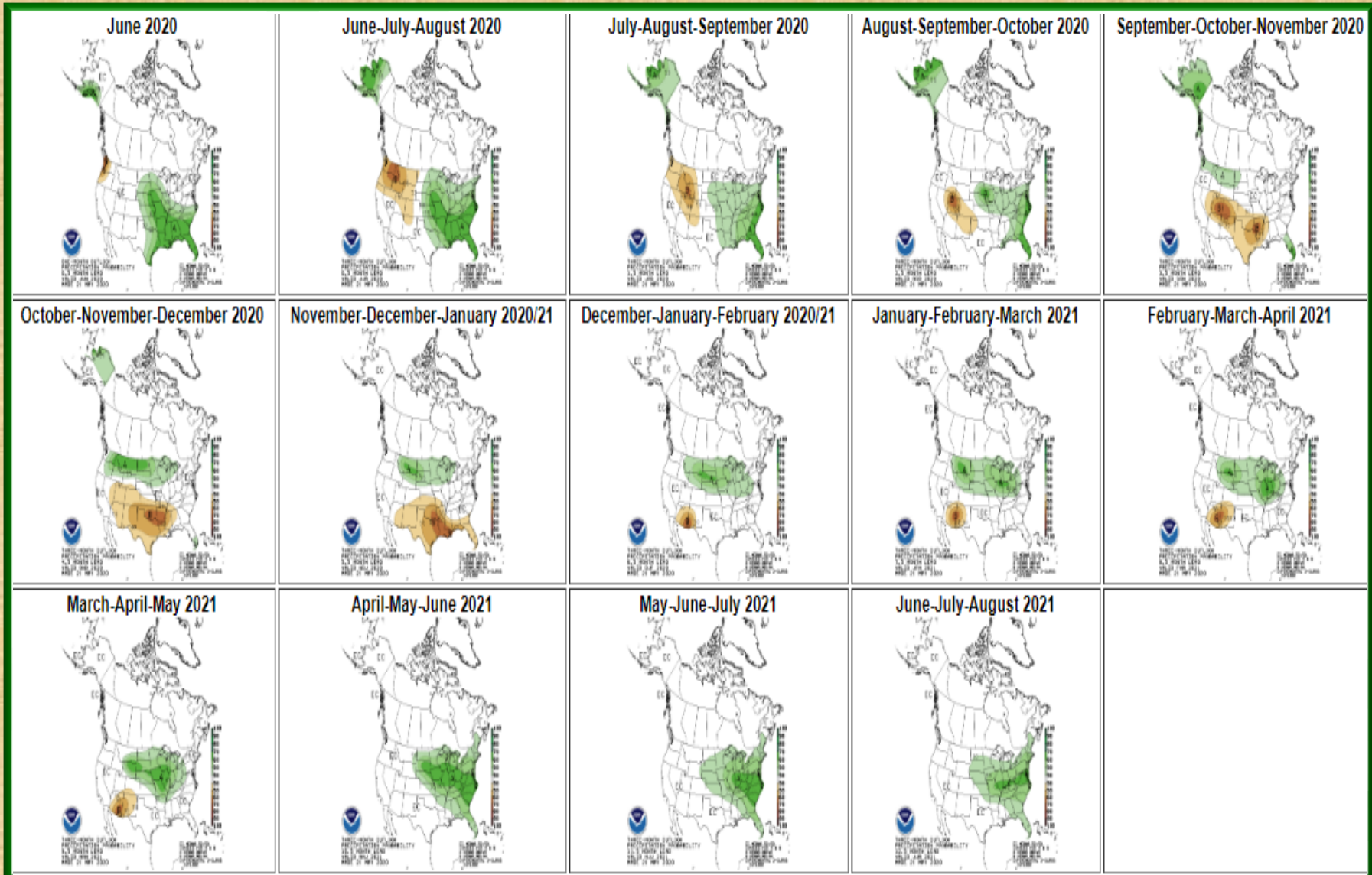
Precipitation



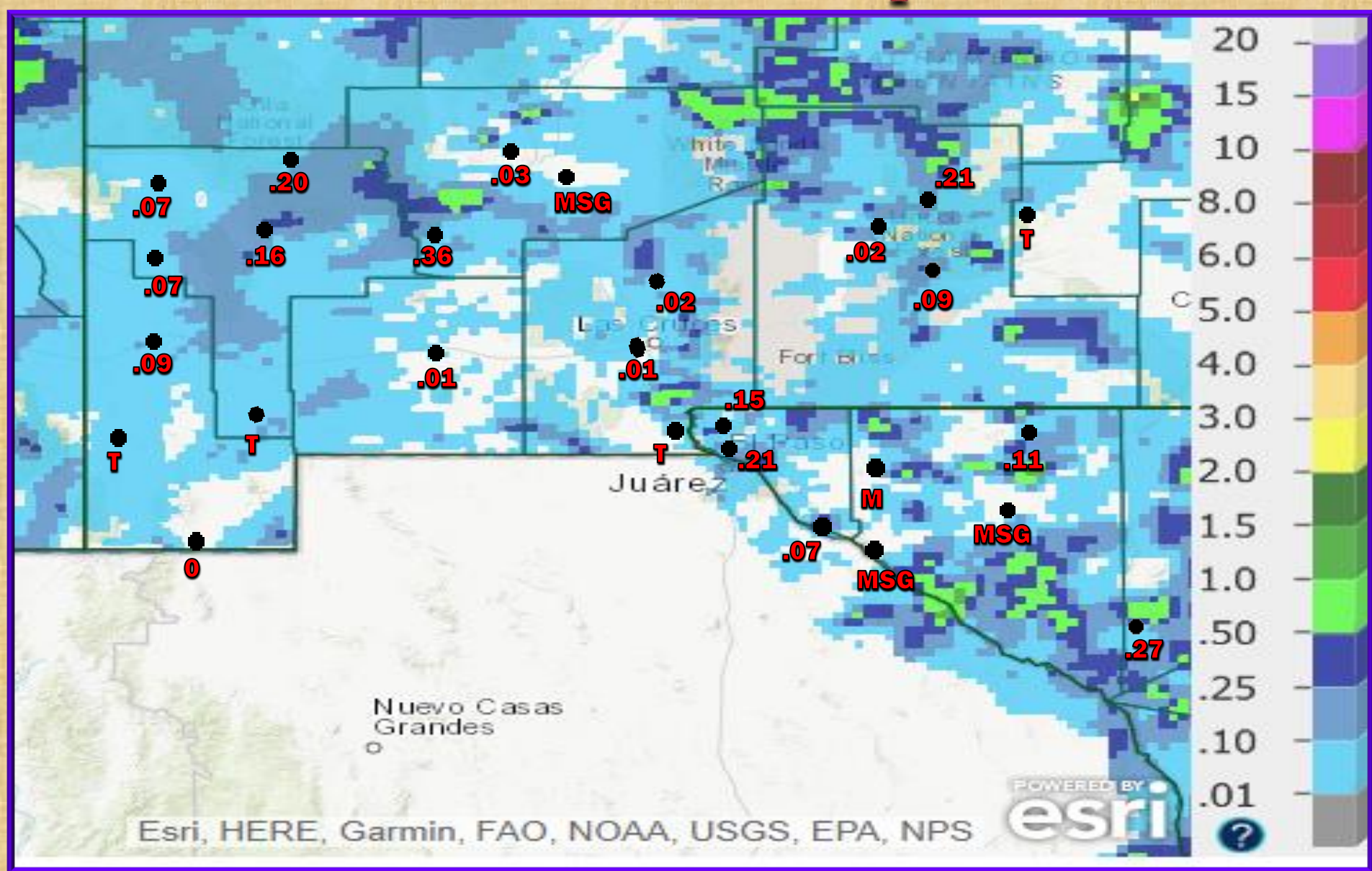
Temperature Outlook Through August 2021



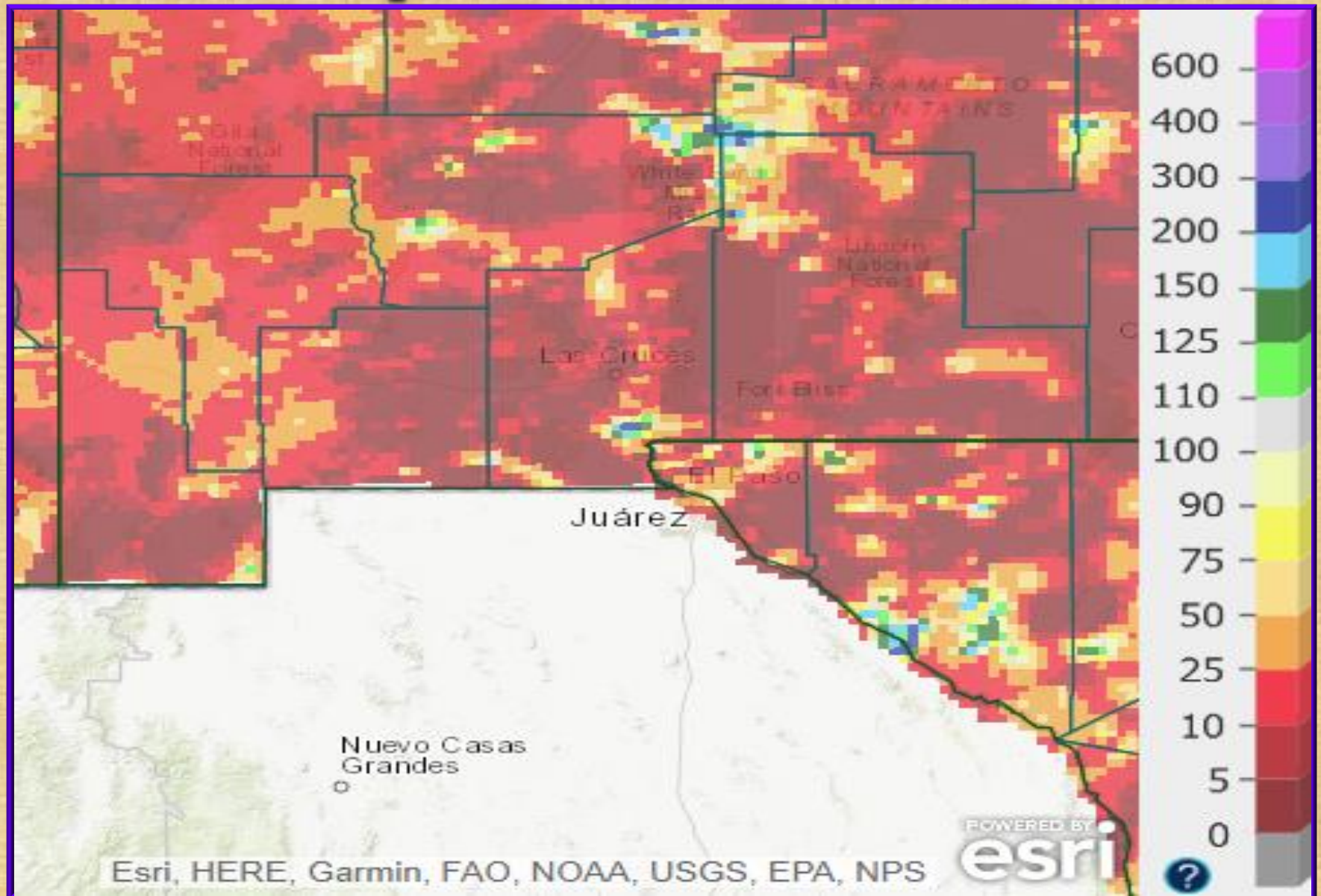
Precipitation Outlook Through August 2021



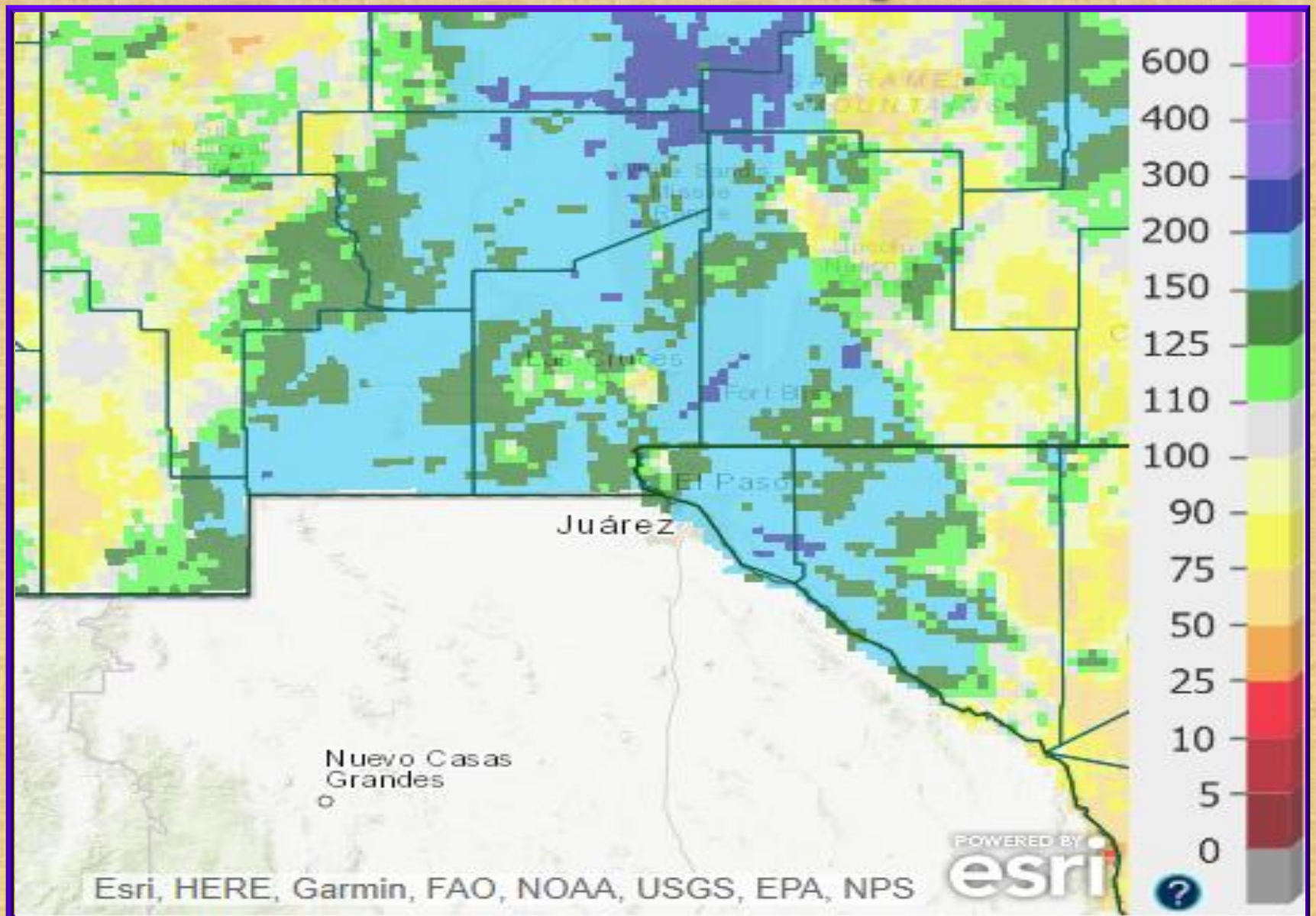
May 2020 radar rainfall estimate with surface rainfall reports



May 2020 radar rainfall estimate percent of normal



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

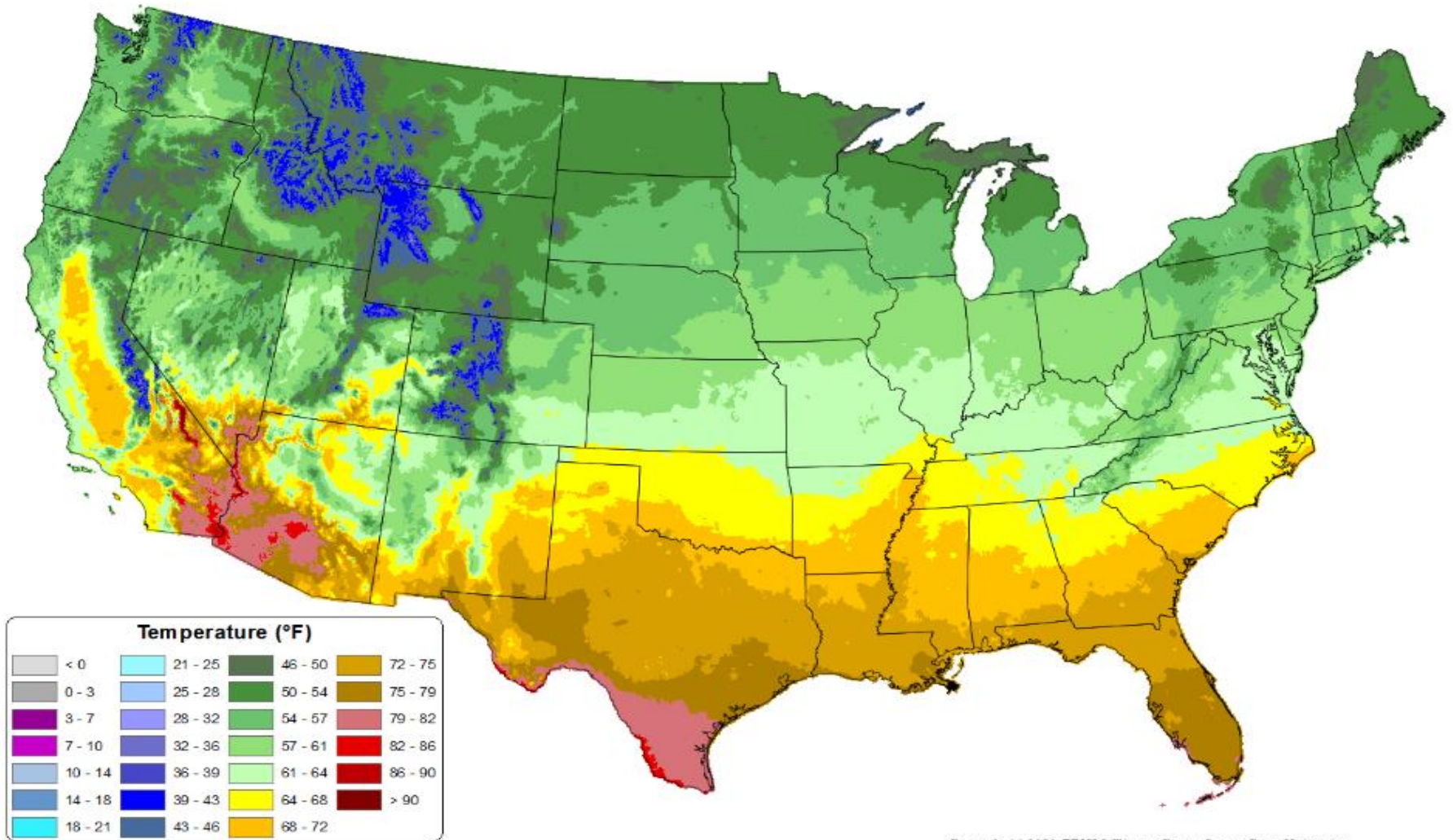


Average Daily Mean Temperature for May 2020

Average Daily Mean Temperature: May 2020

Period ending 7 AM EST 31 May 2020

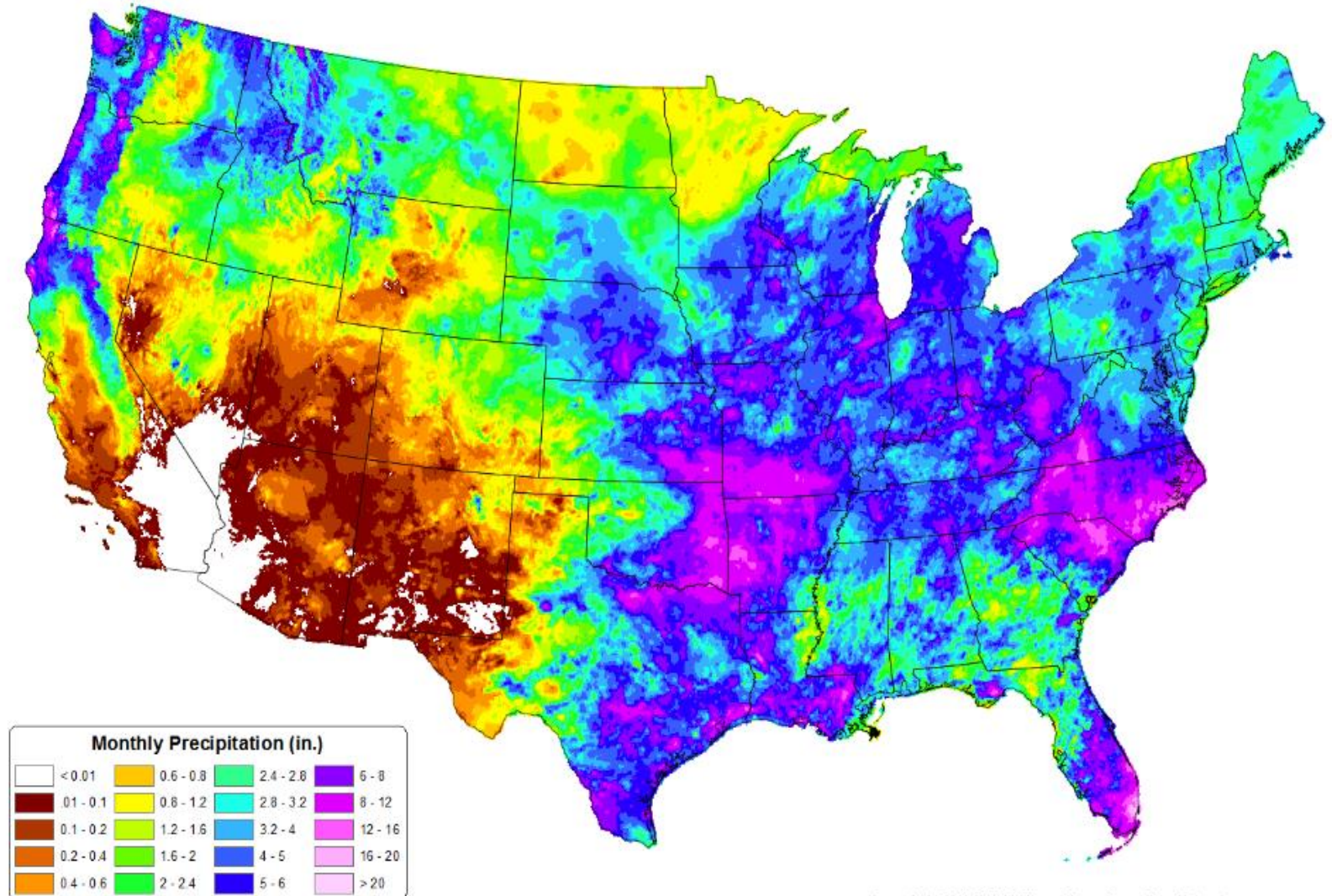
(Map created 02 Jun 2020)



Total Precipitation for May 2020

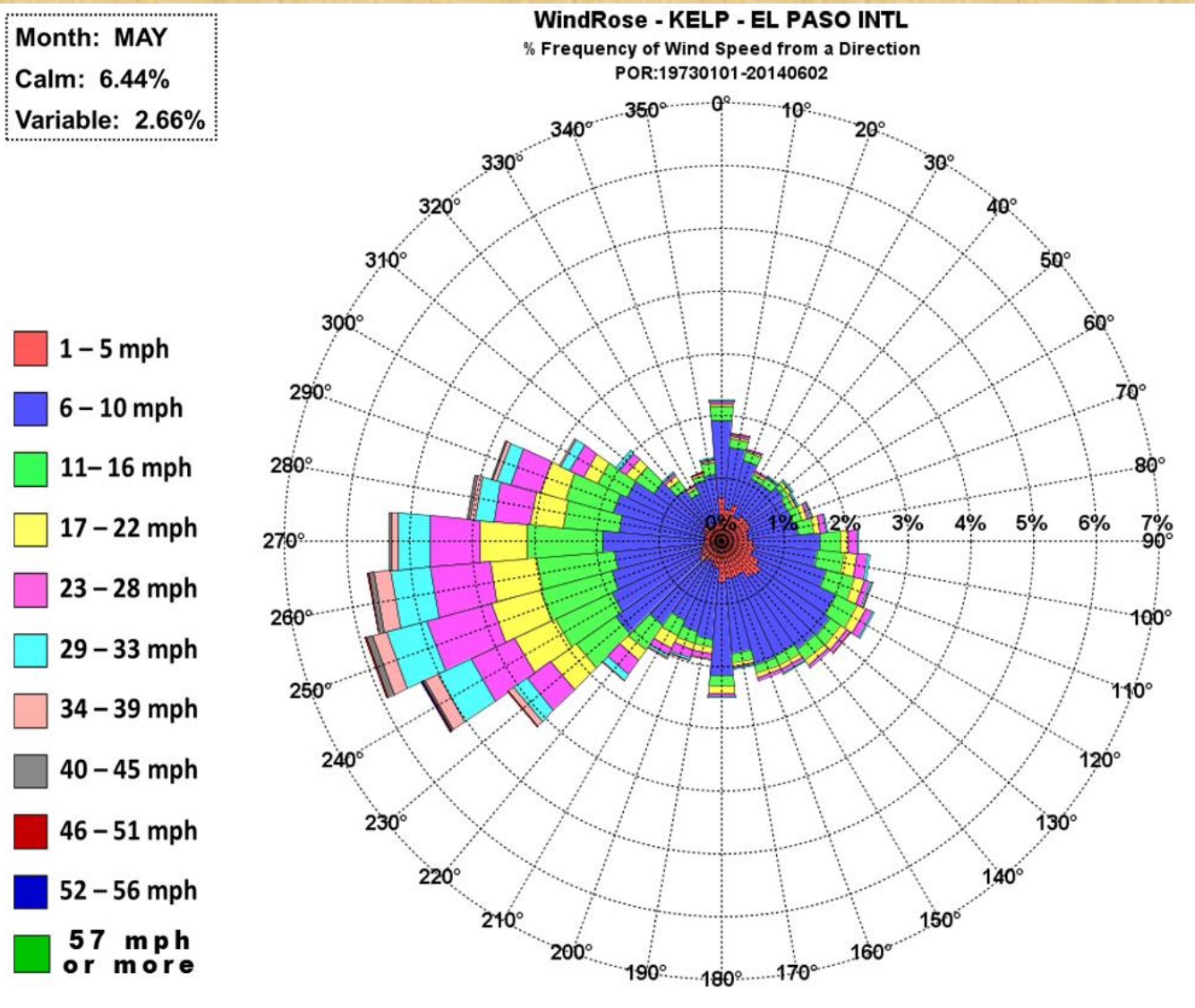
Total Precipitation: May 2020

Period ending 31 May 2020
(Map created 02 Jun 2020)



Special Features

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



Selected weather reports May 2020

Date/Time	Location (County)	Event
MAY 8 353 AM	DELL CITY 15NE-HUDSPETH	70 MPH PEAK WIND
MAY 8 637 AM	OROGRANDE 28NE-OTERO	55 MPH PEAK WIND
MAY 8 746 AM	EL PASO 11NW-EL PASO	49 MPH PEAK WIND
MAY 8 318 AM	HIGH ROLLS-OTERO	47 MPH PEAK WIND
MAY 8 800 AM	ANTHONY-DONA ANA	45 MPH PEAK WIND
MAY 8 910 AM	TULAROSA 10NW-OTERO	43 MPH PEAK WIND
MAY 8 926 AM	DRIPPING SPRINGS-DONA ANA	43 MPH PEAK WIND
MAY 8 850 AM	HORIZON CITY	42 MPH PEAK WIND
MAY 8 745 AM	WSMR MAIN PST 18NE-DONA ANA	41 MPH PEAK WIND
MAY 11 420 PM	WSMR DELTA CLIPPER-DONA ANA	58 MPH TSTM WIND
MAY 11 700 PM	EL PASO 3E-EL PASO	56 MPH TSTM WIND

Selected weather reports May 2020

Date/Time	Location (County)	Event
MAY 11 440 PM	TULAROSA 8W-OTERO	53 MPH TSTM WIND

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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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**

