

April 2019 Weather Digest



April 2019 Weather Summary

Warm and generally slightly above normal precipitation marked the month of April around southern New Mexico and west Texas. Thanks to a very warm last week of the month, April recorded above normal temperatures for most of the area. April typically records the first 90 plus degree readings for much of the desert areas. El Paso recorded its first 90 degree reading of the season on April 9th, nearly 3 weeks ahead of schedule.

Looking at precipitation for the month, much of the area was near normal to above normal. El Paso county was conspicuous among the few areas that were below normal. To show one how fickle precipitation can be, the east slopes of the Sacramento Mountains were normal to slightly below normal, while the west slopes up to the ridge were well above normal. The main culprit for much of the precipitation was a strong upper low which moved across Arizona on the 22nd and across northern Mexico the following day. This spawned numerous showers and a few thunderstorms. A few of the thunderstorms were able to produce landspouts and weak tornadoes in west Texas. This storm system, which spanned two days, resulted in up to half the monthly precipitation for many places.

This will be the final digest of the year for snowpack information, but it was a season with very good news. The upper Rio Grande Basin is still around 120-140

April 2019 Weather Summary cont'd.

percent of normal. Water equivalent of the snow pack is still at almost 16 inches as of the end of the month, which is still about 3 inches above normal. Compare that to last year which had around 2 inches at the same stage. Elephant Butte and Caballo resevoirs should have a nice recharge this summer, but several more winters of above normal snowfall are needed to approach back to normal conditions.

Looking ahead to May, temperatures continue to warm. At El Paso, the month begins with a normal high temperature of 83 degrees and ends the month at 93 degrees. Daylight also continues to increase with 13 hours and 26 minutes of daylight at the beginning of May to 14 hours and 5 minutes on the last day of the month.

**Tornado near Clint
April 22**



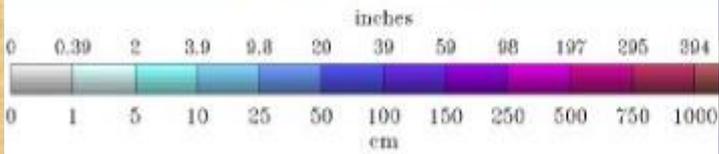
**Thunderstorm El Paso
April 24**



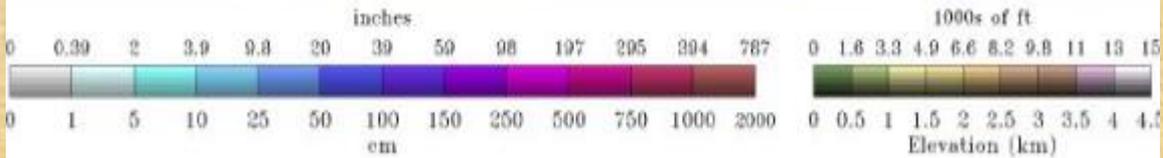
**Dust Devil El Paso
April 25**



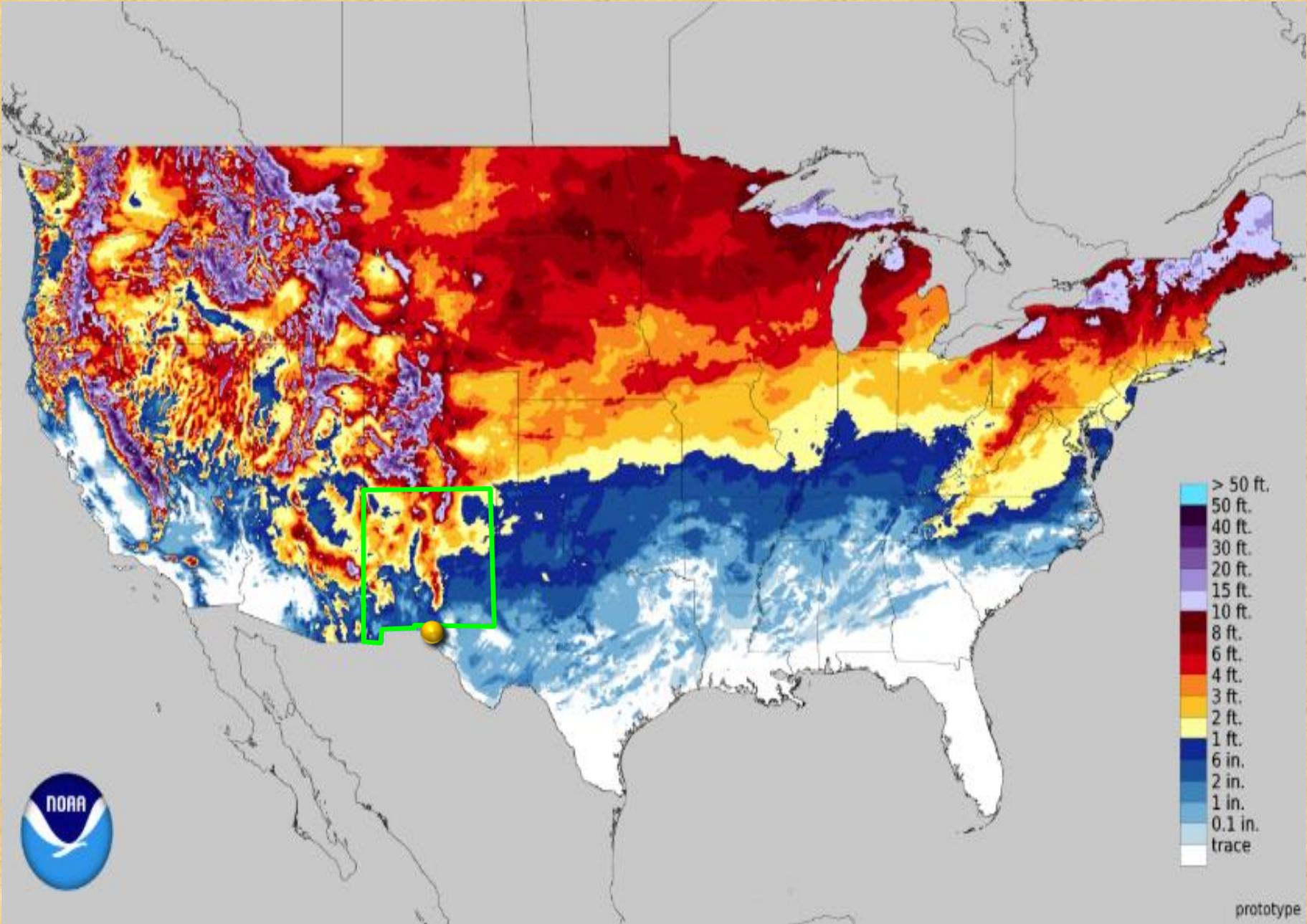
Snow Cover Mar 31



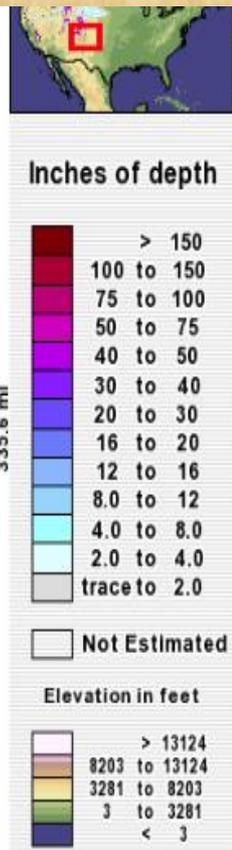
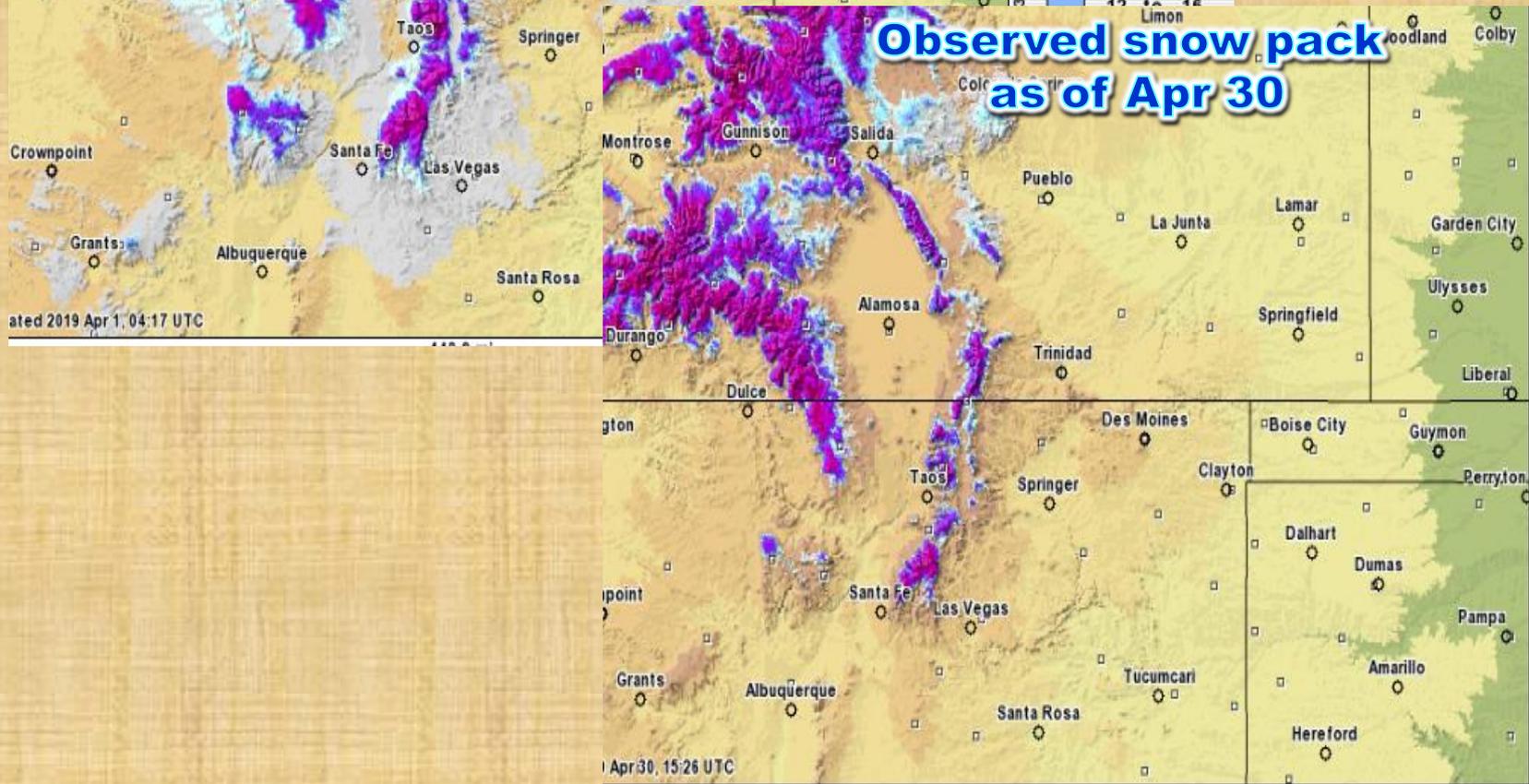
Snow Cover Apr 30



Total snowfall for this season through Apr 30, 2019



How is the upper Rio Grande Basin snow pack doing? The Following 3 charts show snow pack is at 120-140% of normal

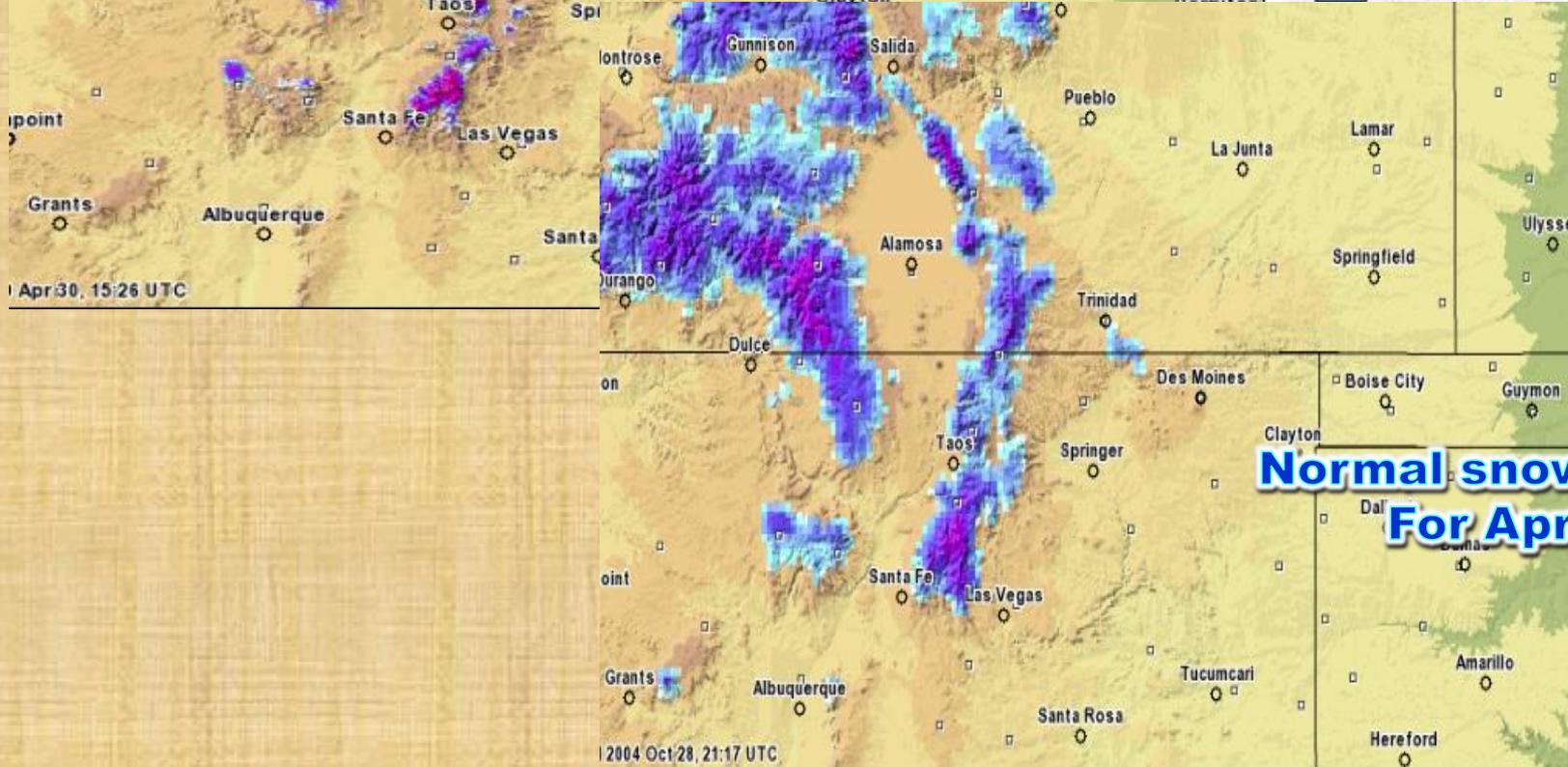


ated 2019 Apr 1, 04:17 UTC

Apr 30, 15:26 UTC

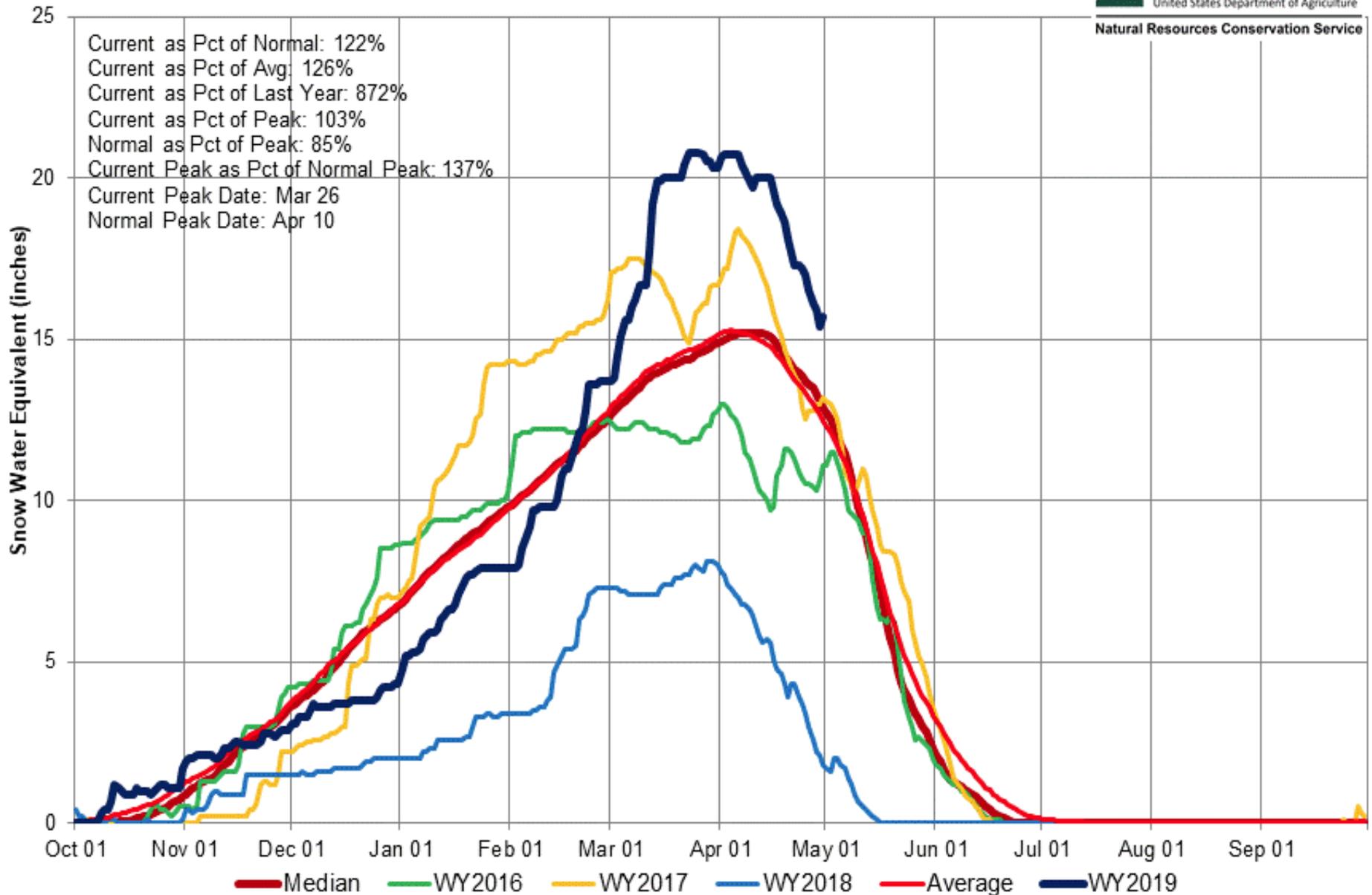
How is the upper Rio Grande Basin snow pack doing? About Average. These charts show snow pack is around 140% of normal

**Observed snow pack
as of April 30**



Upper Rio Grande River Basin Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Apr 30, 2019



El Niño Advisory in Effect

ENSO Alert System

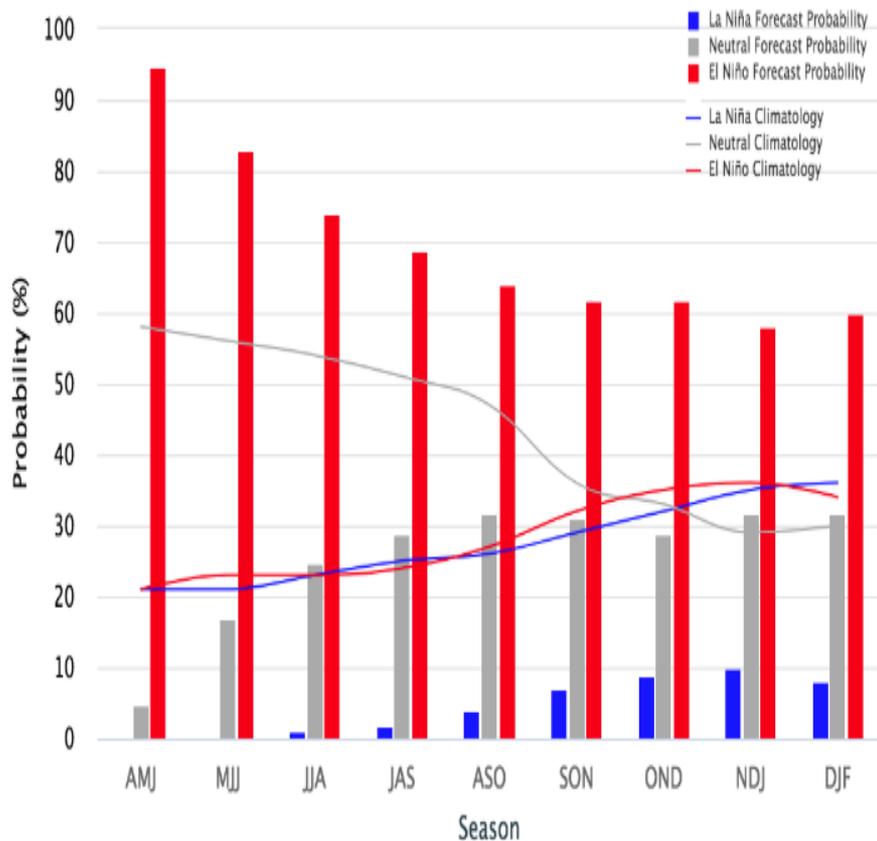
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

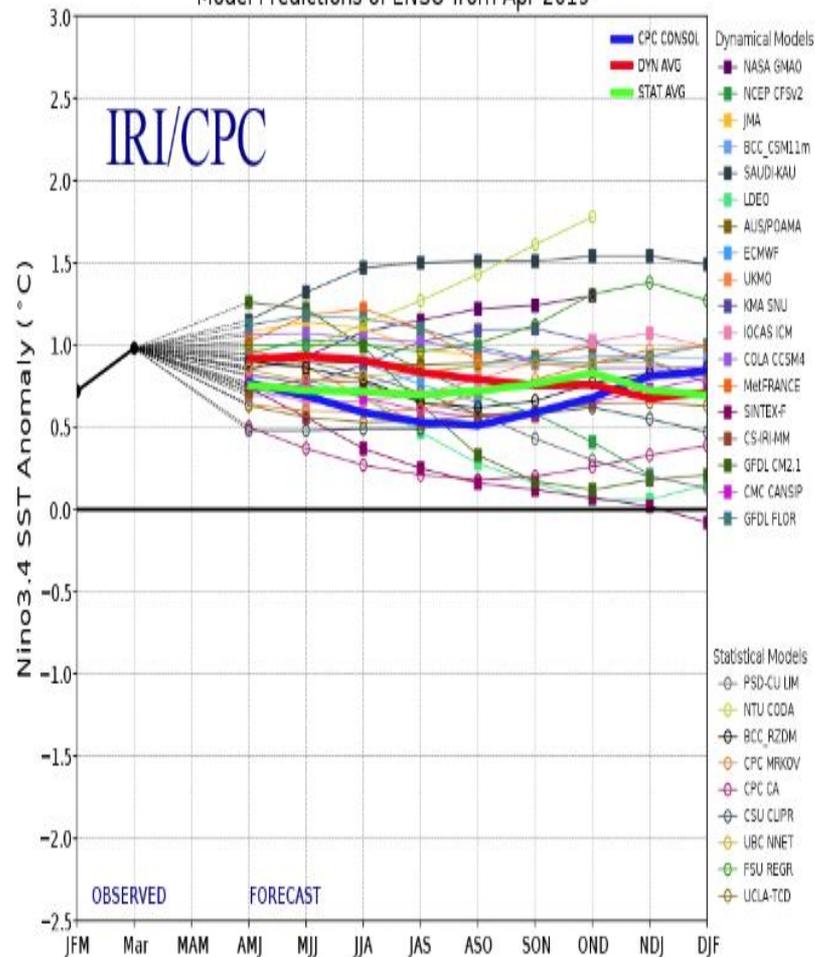
ENSO is now in a weak El Niño phase and could remain that way into Fall

Mid-April 2019 IRI/CPC Model-Based Probabilistic ENSO Forecasts

ENSO state based on NINO3.4 SST Anomaly
Neutral ENSO: -0.5°C to 0.5°C



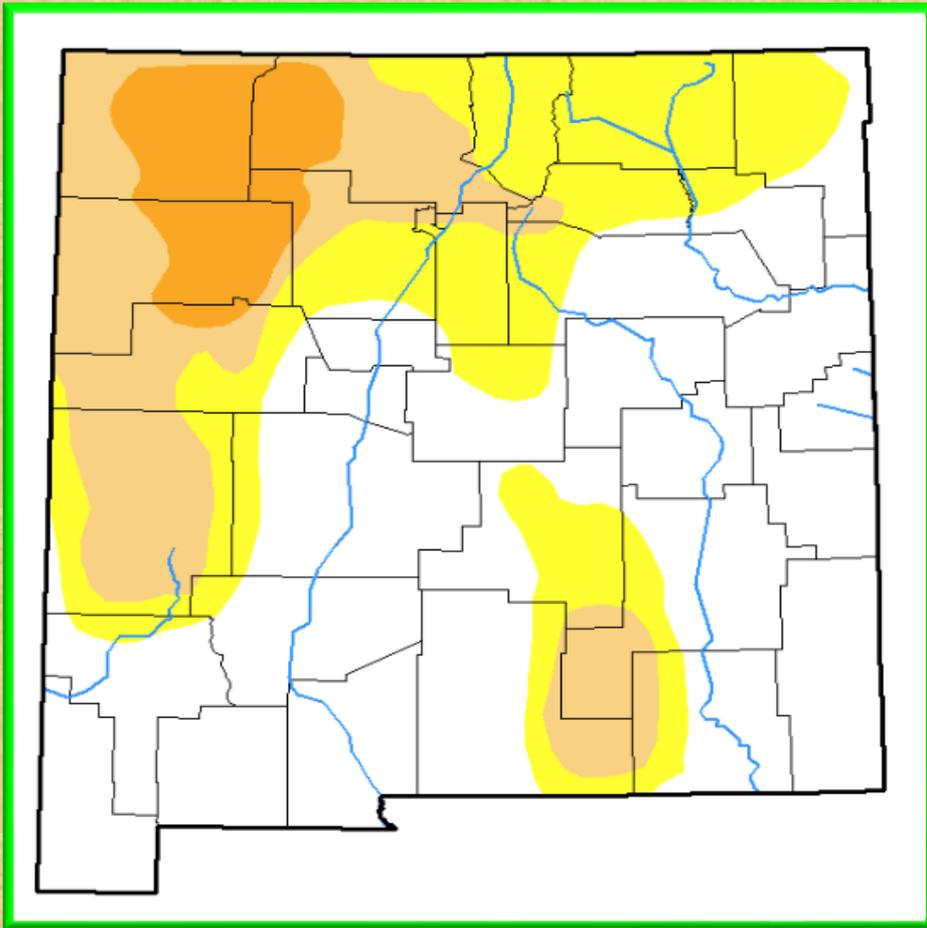
Model Predictions of ENSO from Apr 2019



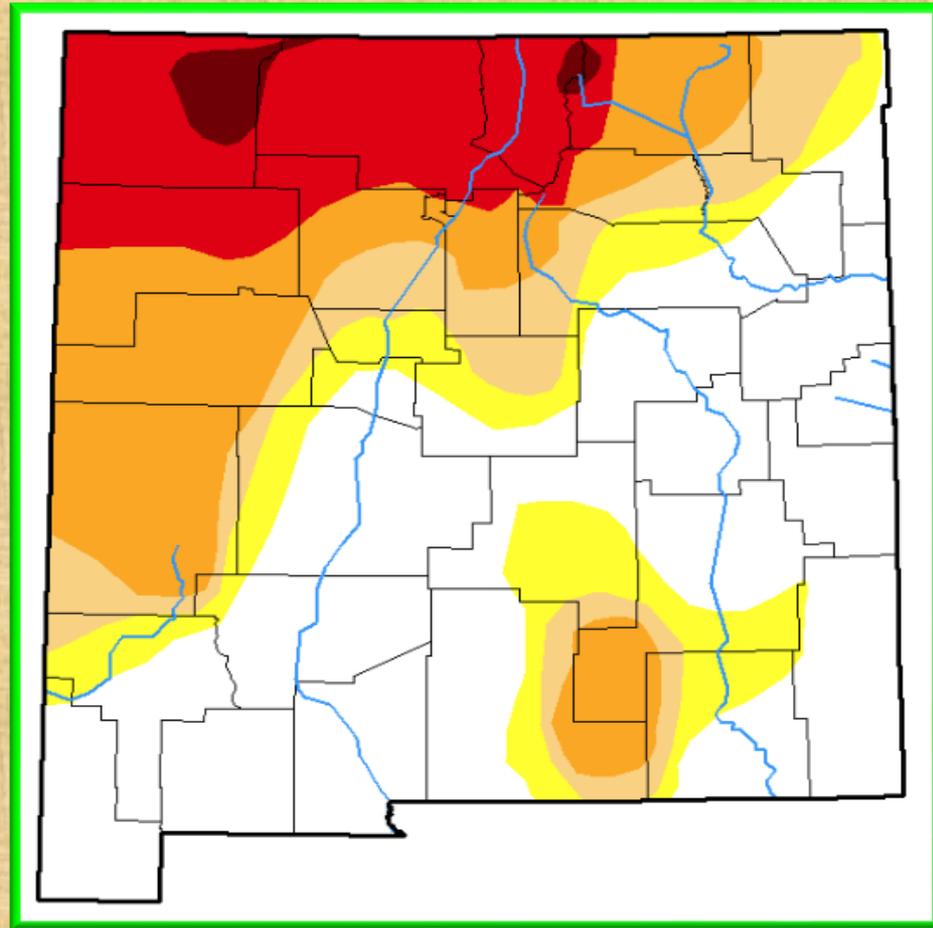
Current drought conditions for New Mexico and 3 month change

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

April 23, 2019



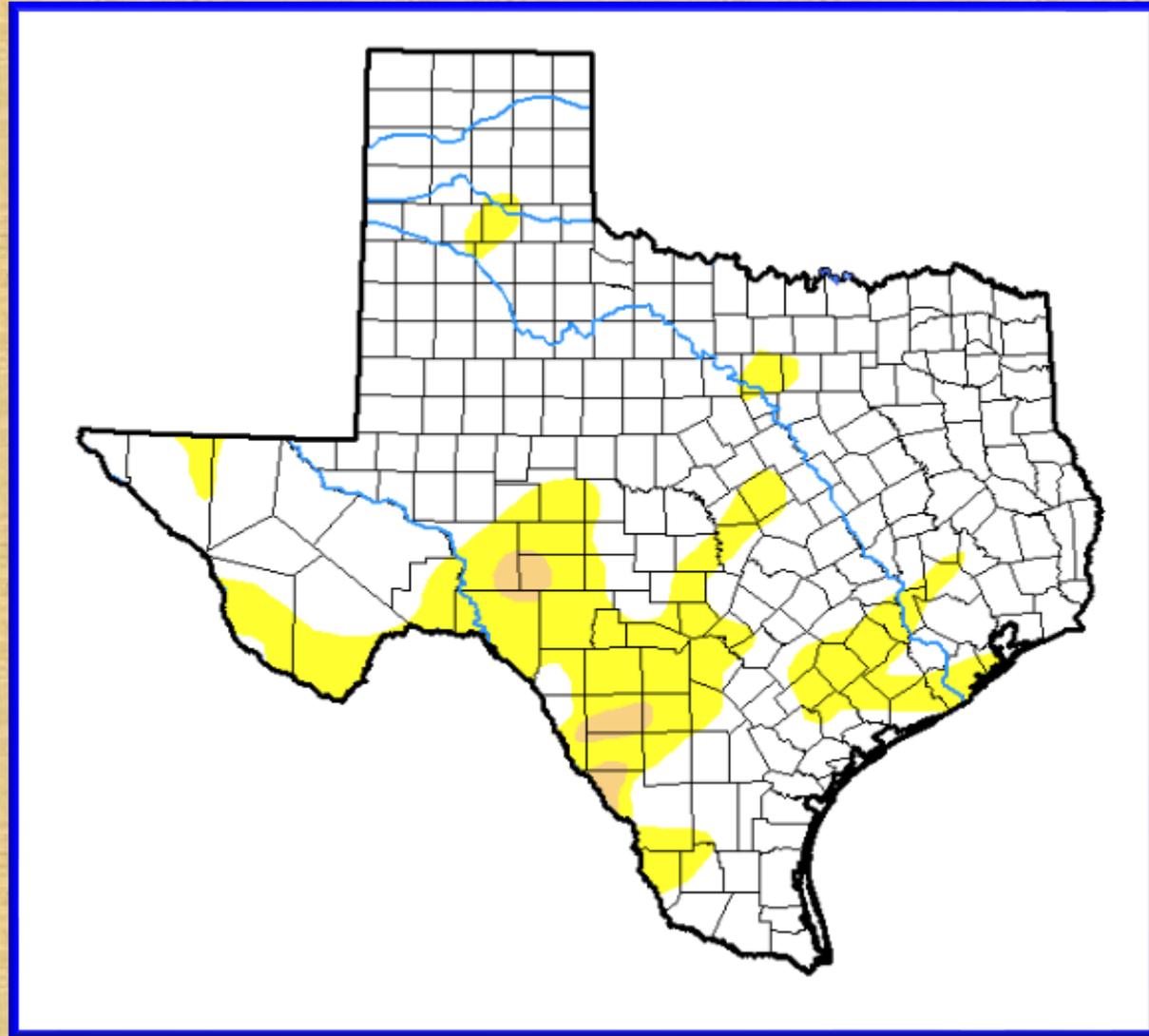
January 29, 2019



Current drought conditions for Texas as of April 23, 2019

Intensity:

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



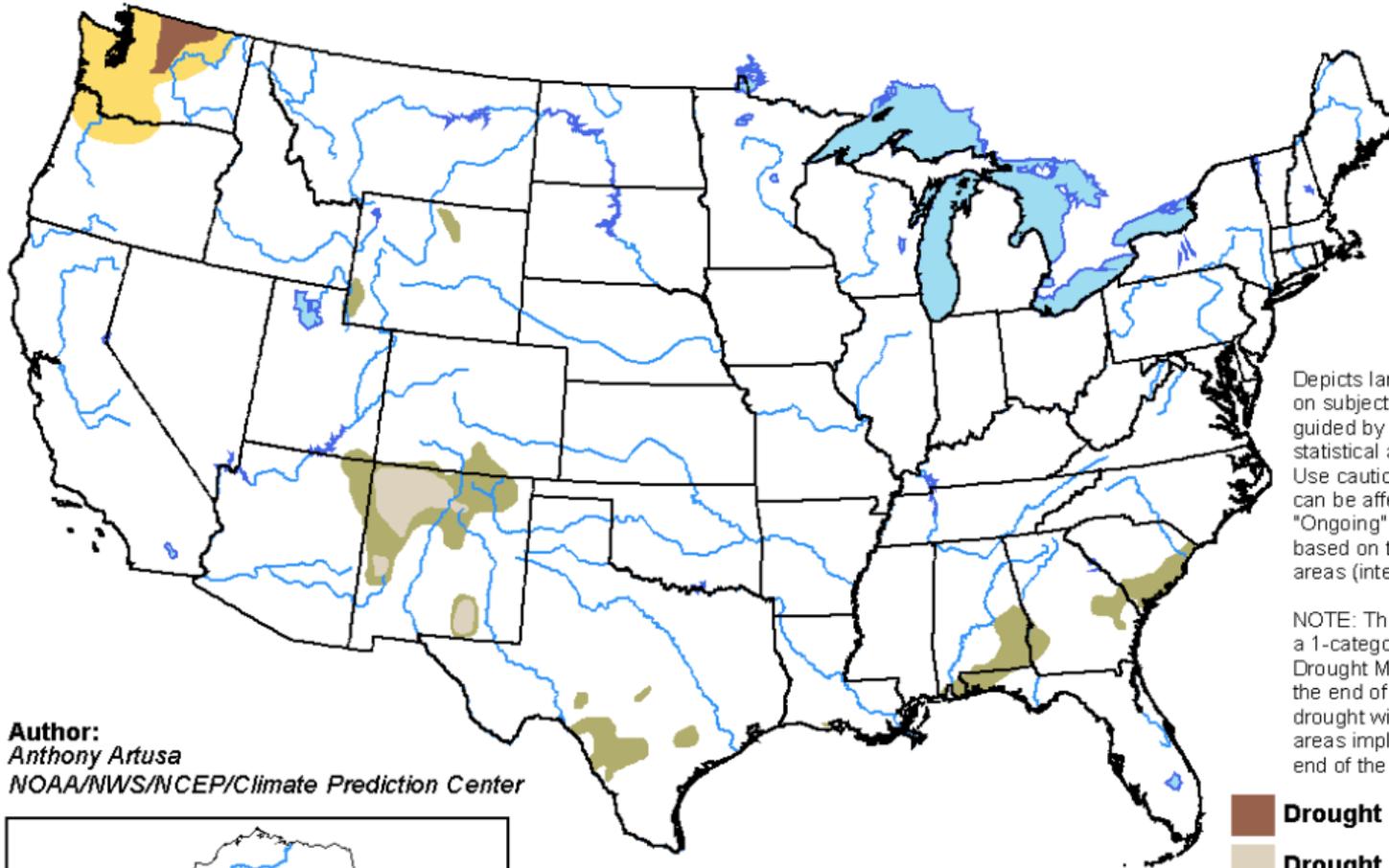
Build your own custom slider maps here at:

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

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

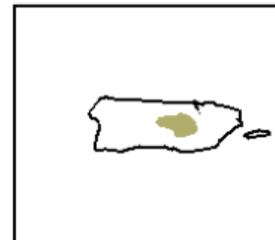
Valid for April 18 - July 31, 2019
Released April 18



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:
Anthony Artusa
NOAA/NWS/NCEP/Climate Prediction Center



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

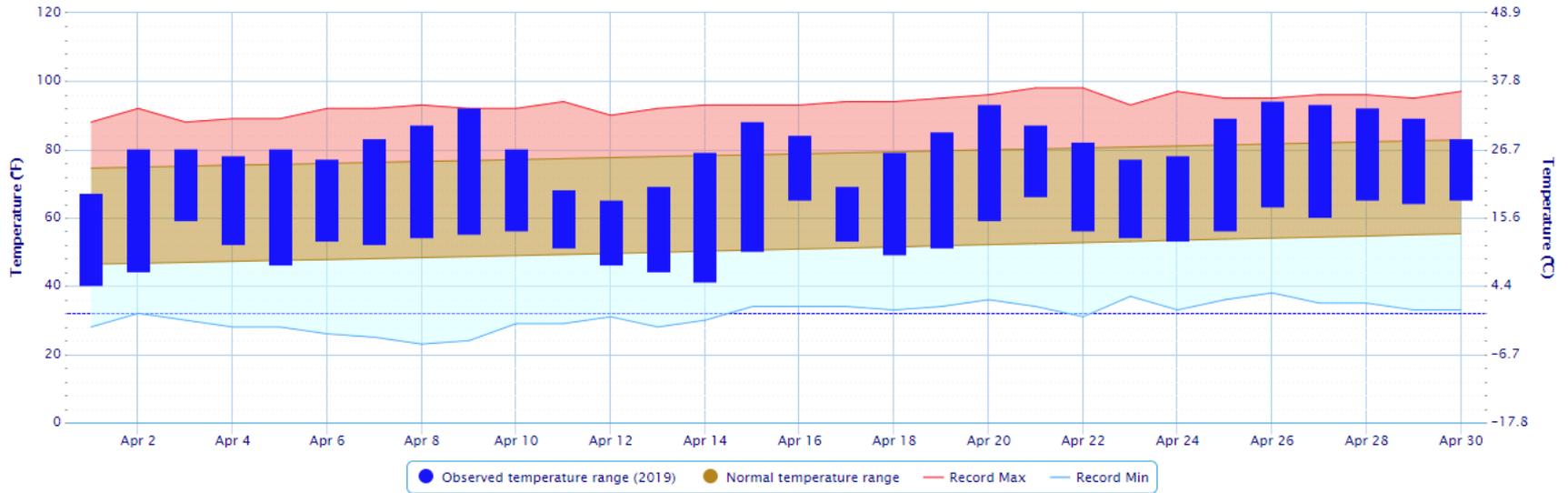


<http://go.usa.gov/3eZ73>

Temperature and precipitation data for April 2019

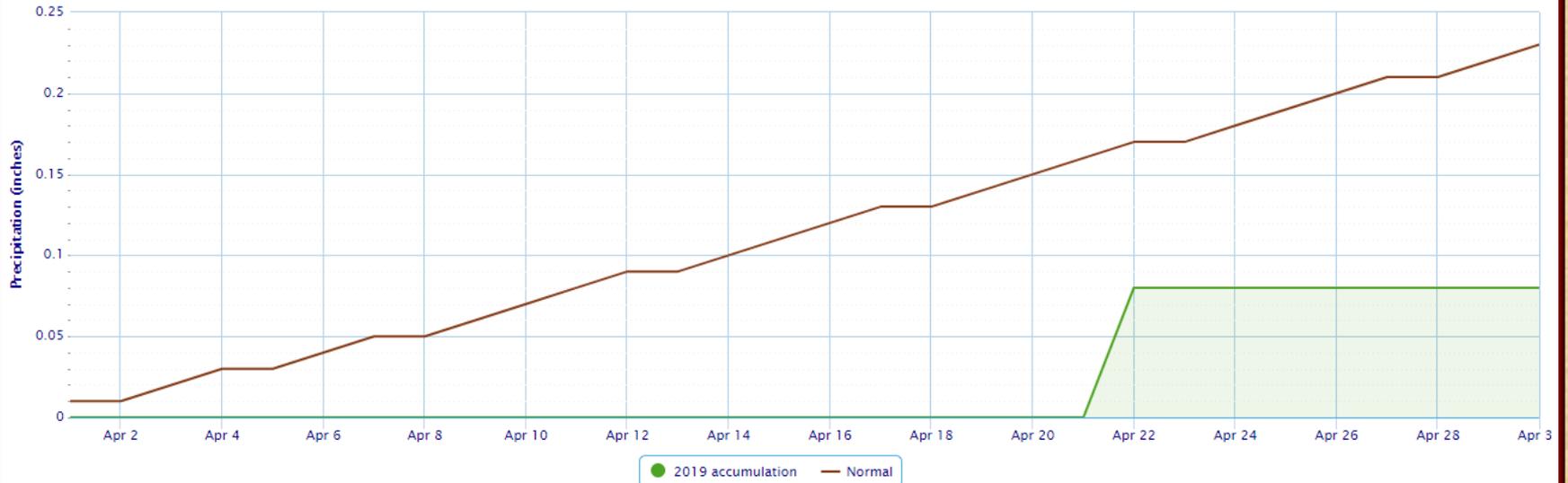
Daily Temperature Data – El Paso Area, TX (ThreadEx)

Period of Record – Max temperature: 1887-01-01 to 2019-05-02; Min temperature: 1879-01-01 to 2019-05-02. Normals period: 1981-2010. Click and drag to zoom chart.

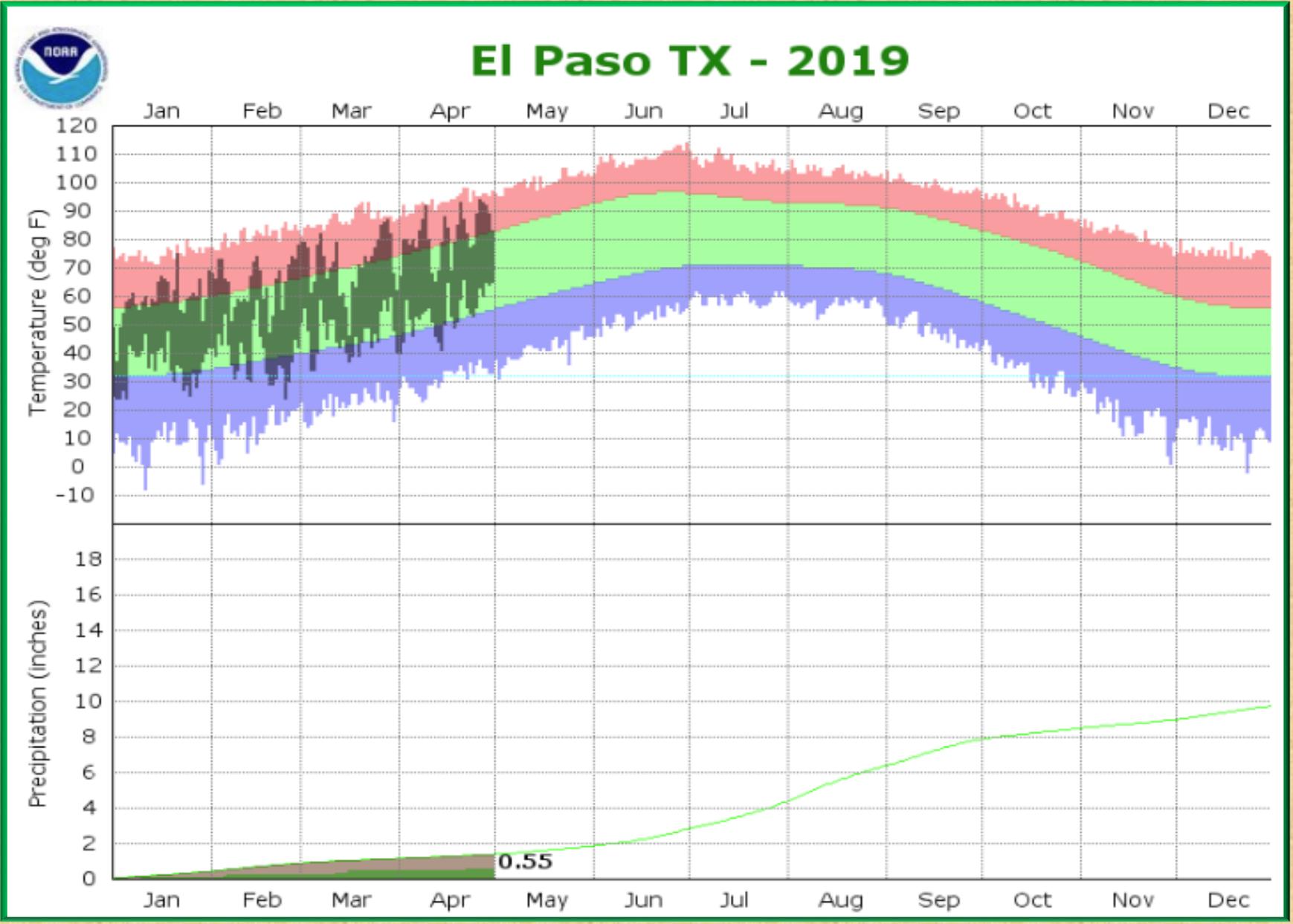


Accumulated Precipitation – El Paso Area, TX (ThreadEx)

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



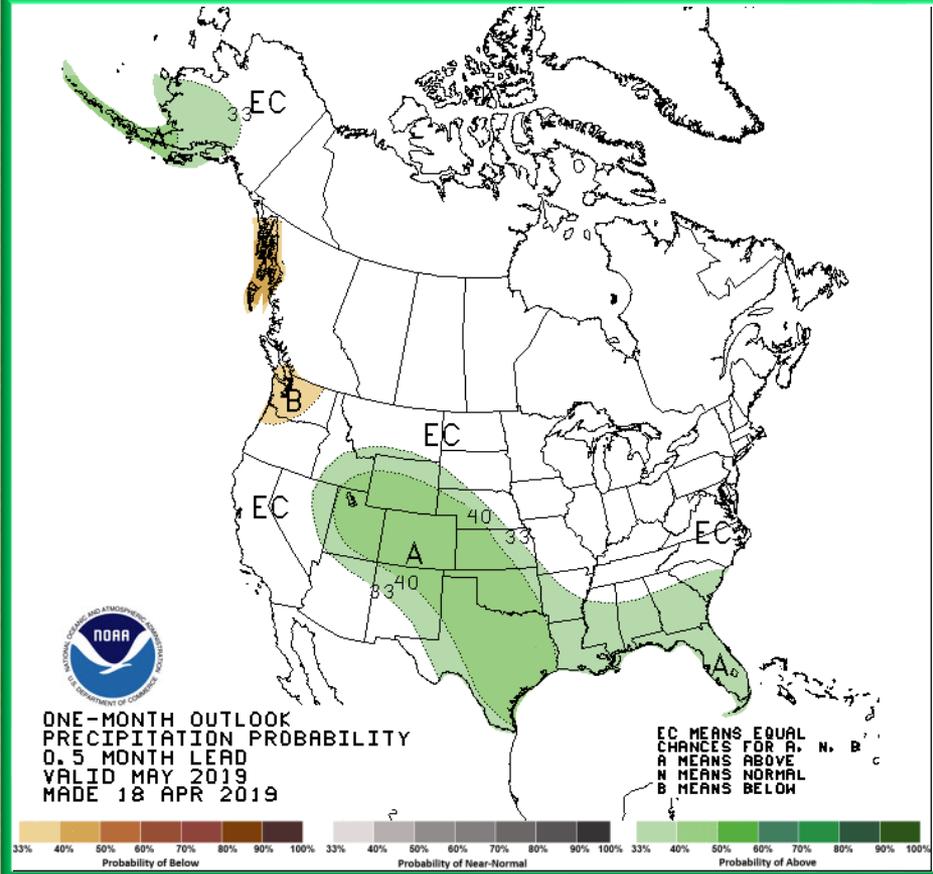
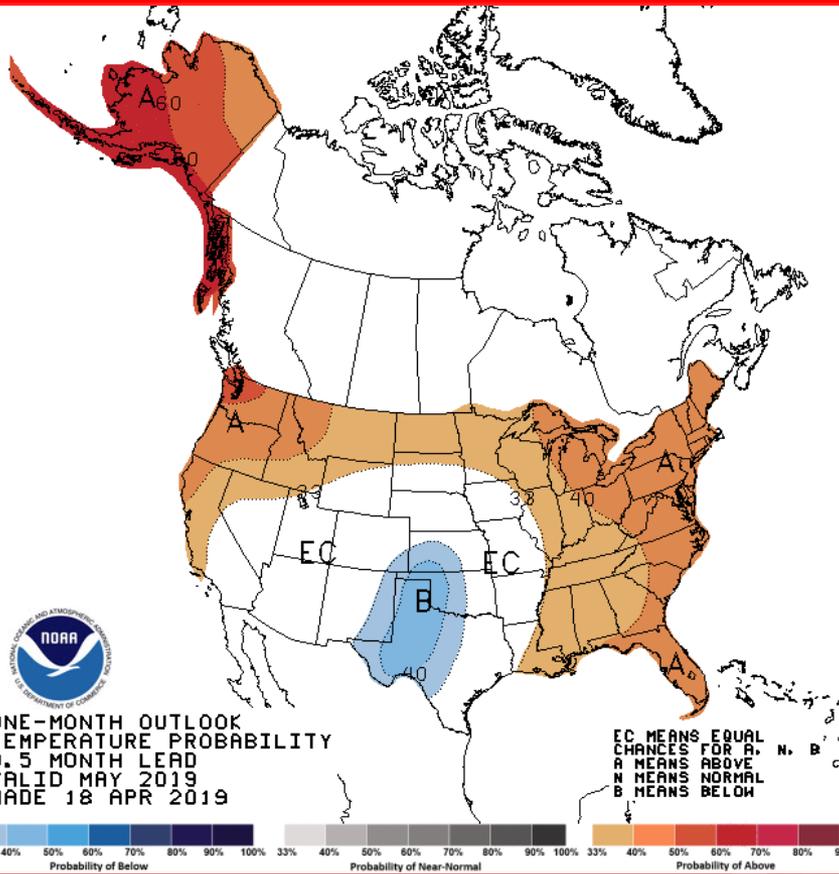
2019 year-to-date temperature and precipitation data El Paso



Temperature and precipitation outlook for May 2019

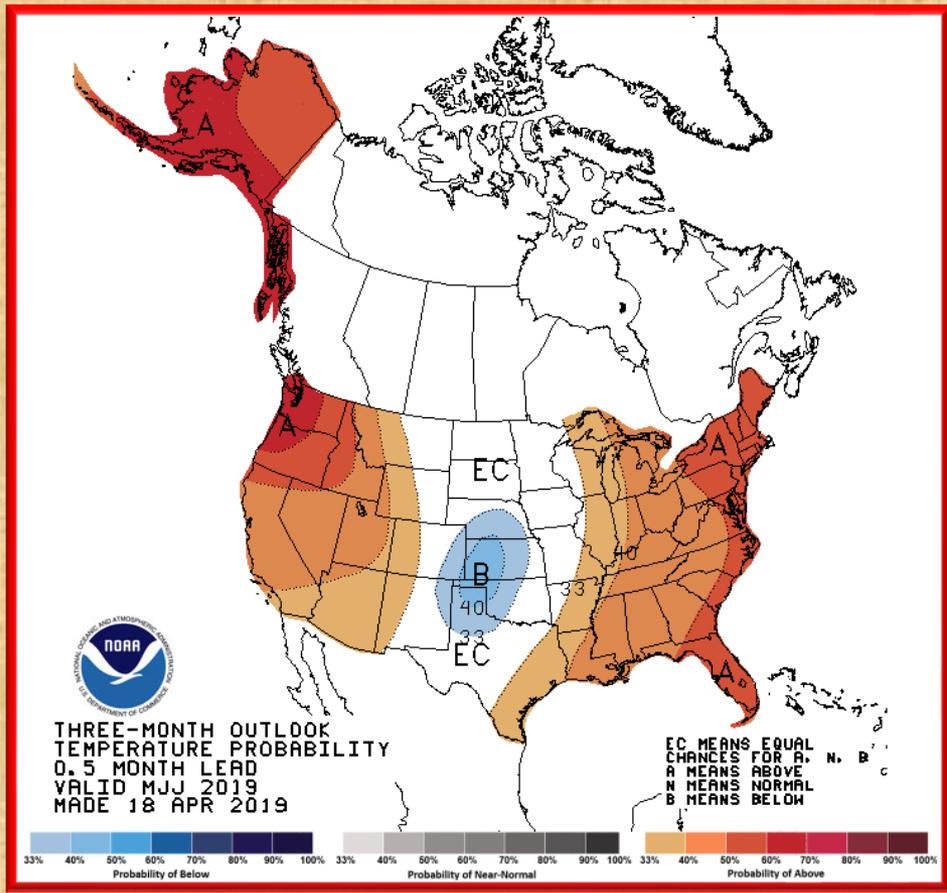
Temperature

Precipitation

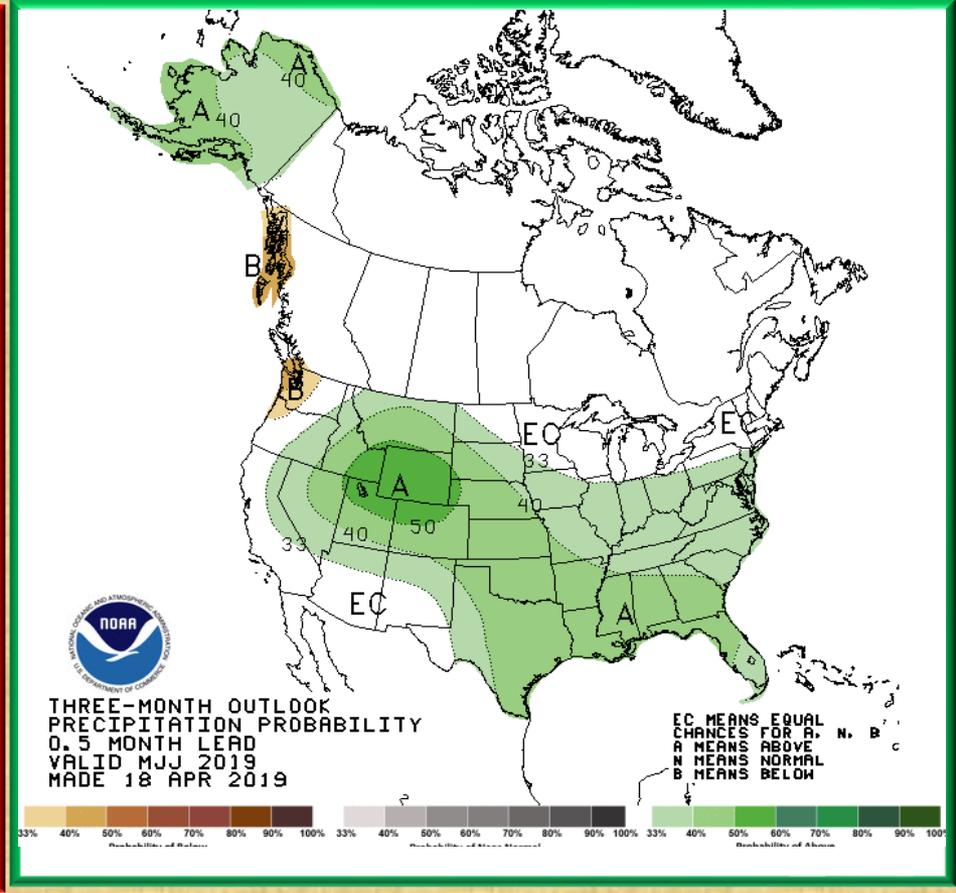


Temperature and precipitation outlook For May-July 2019

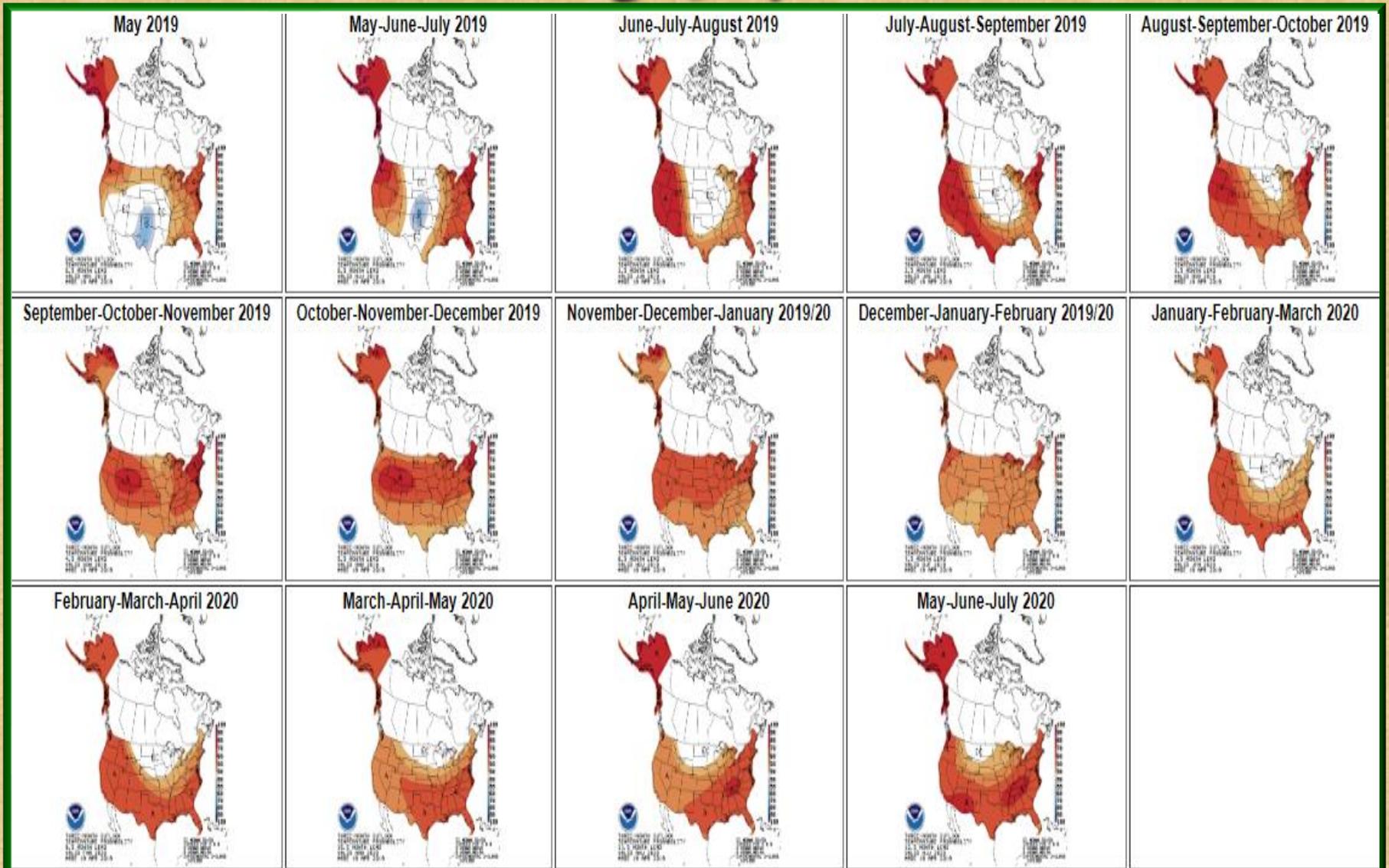
Temperature



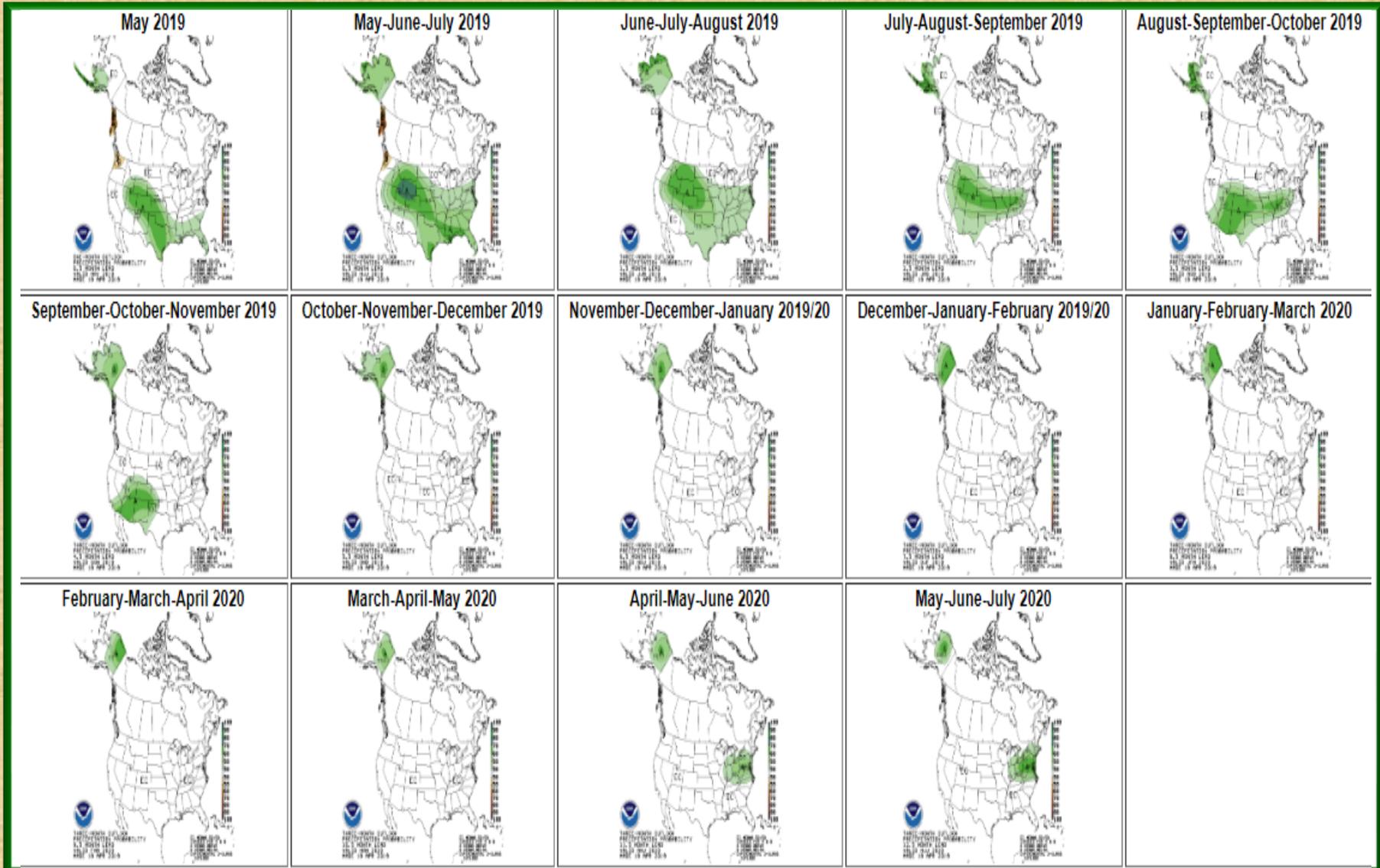
Precipitation



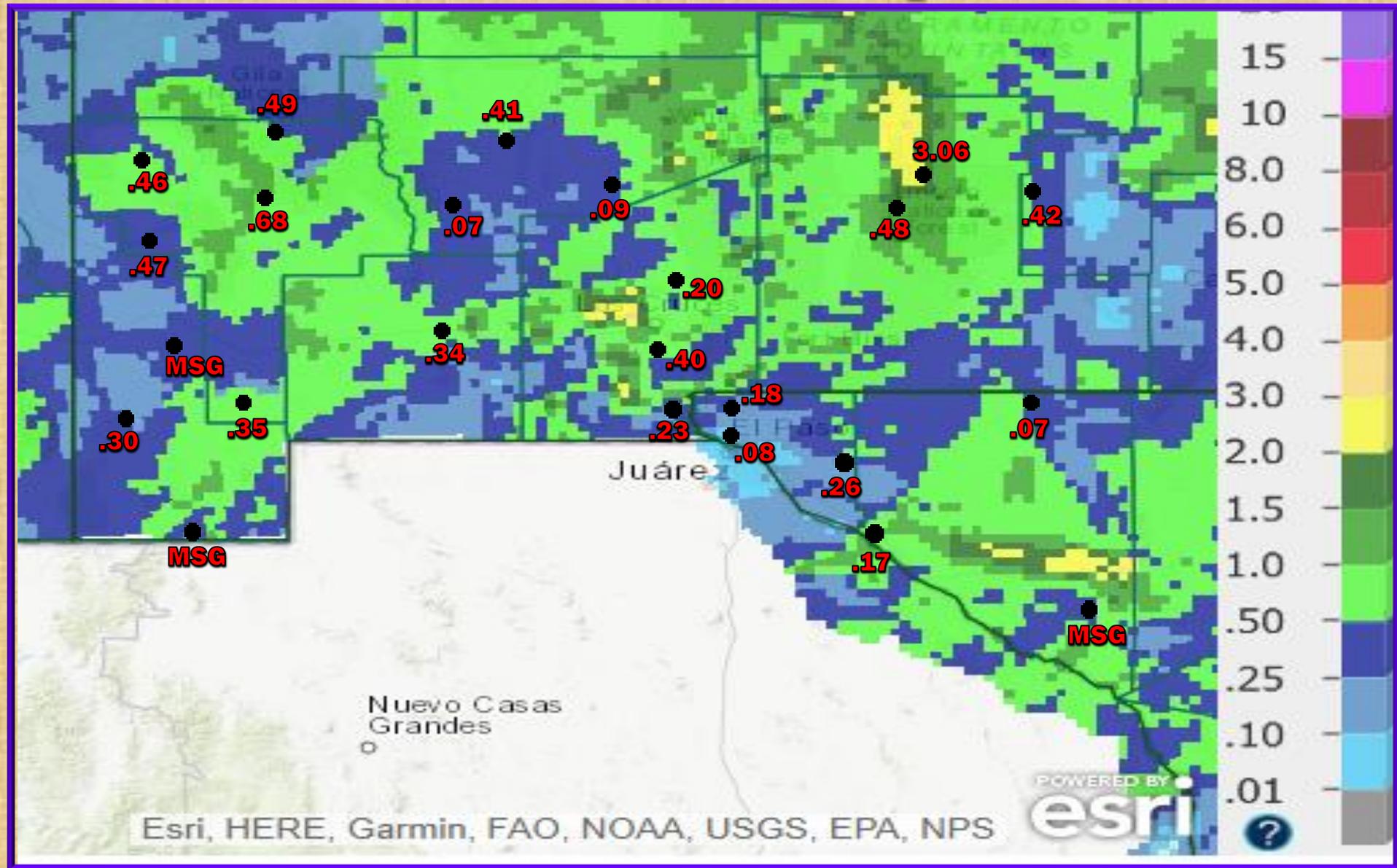
Temperature Outlook Through July 2020



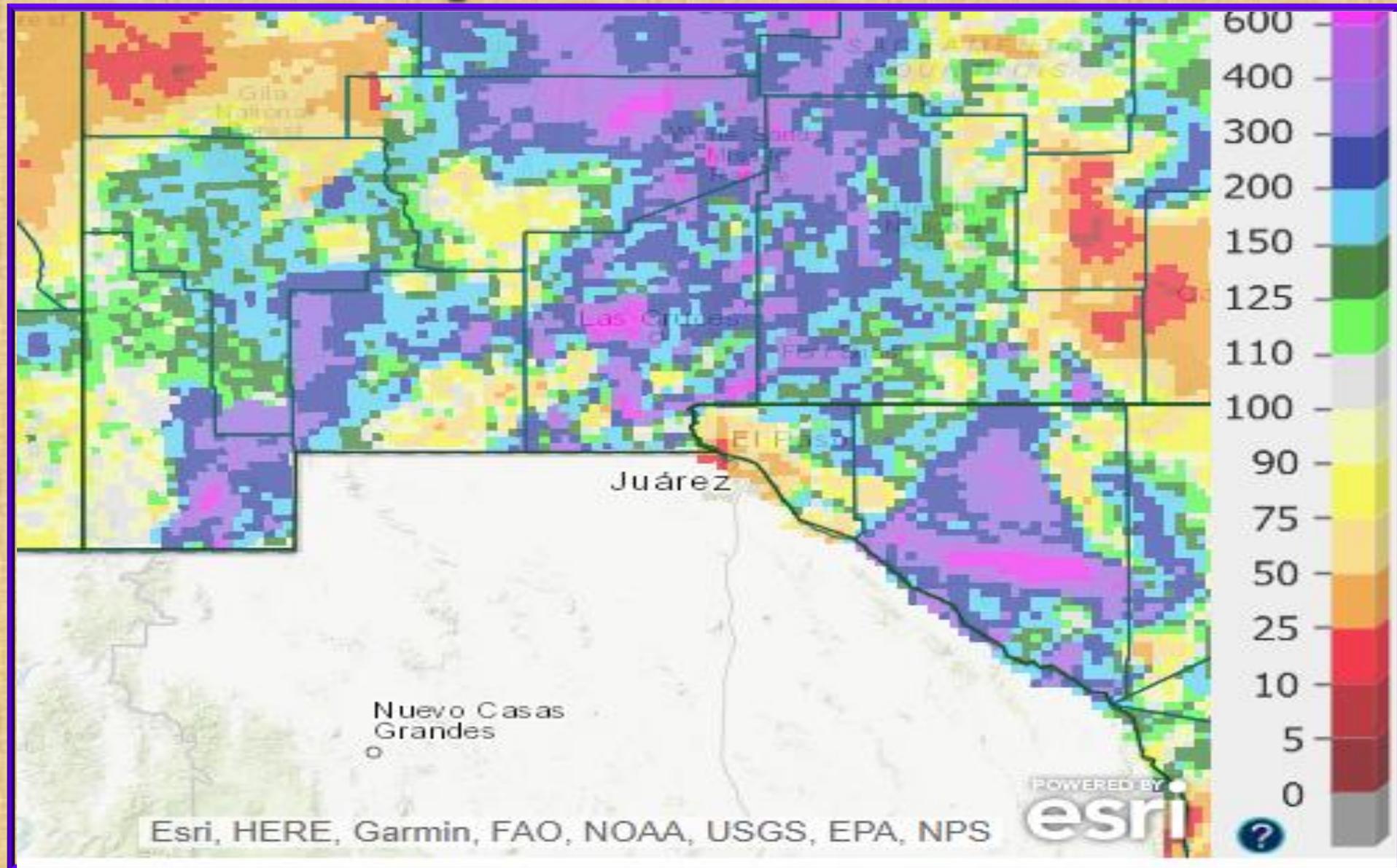
Precipitation Outlook Through July 2020



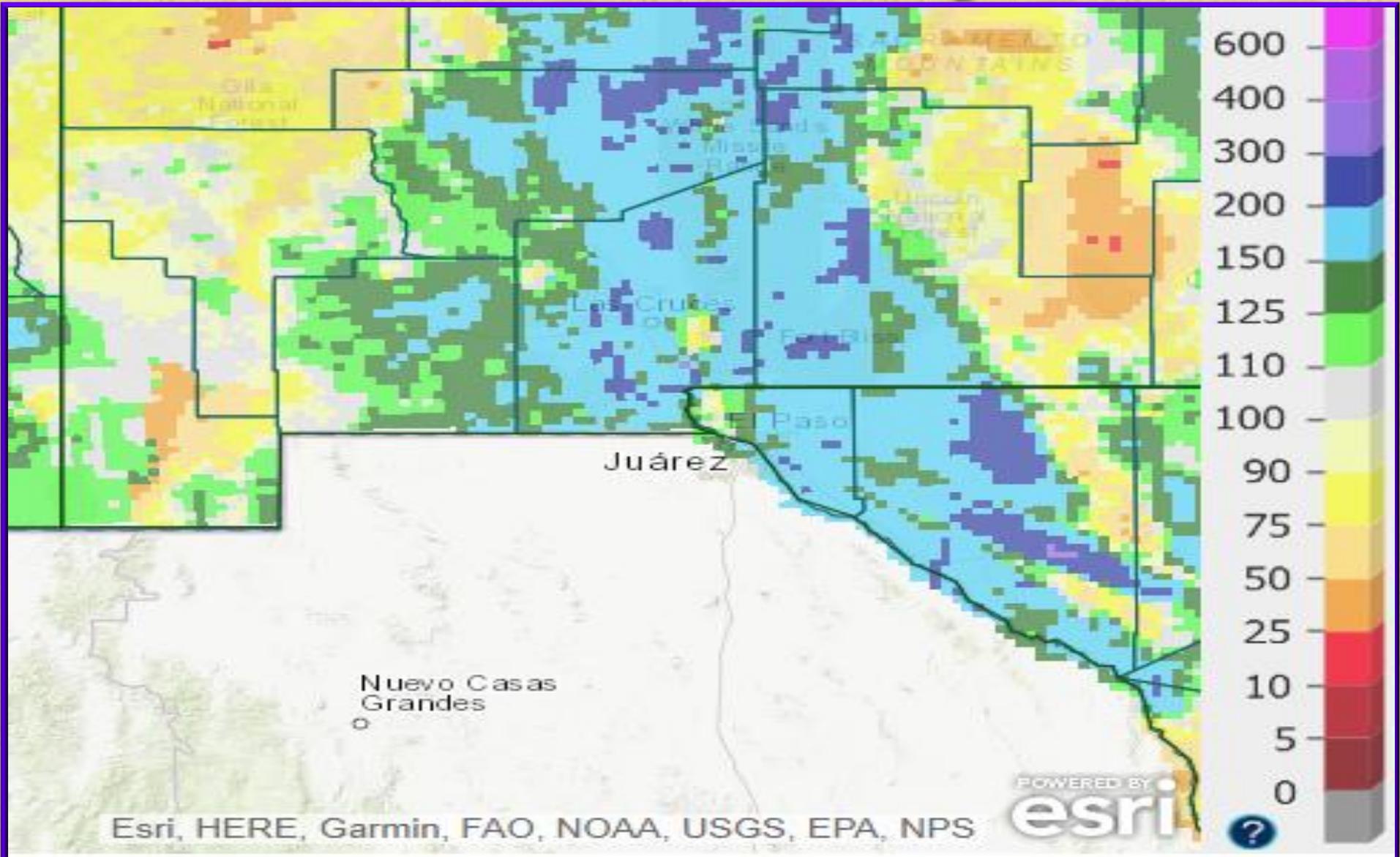
April 2019 radar rainfall estimate with surface rainfall reports



April 2019 radar rainfall estimate percent of normal



Radar rainfall estimate percent of normal for the Water Year (Oct 1 to April 30)

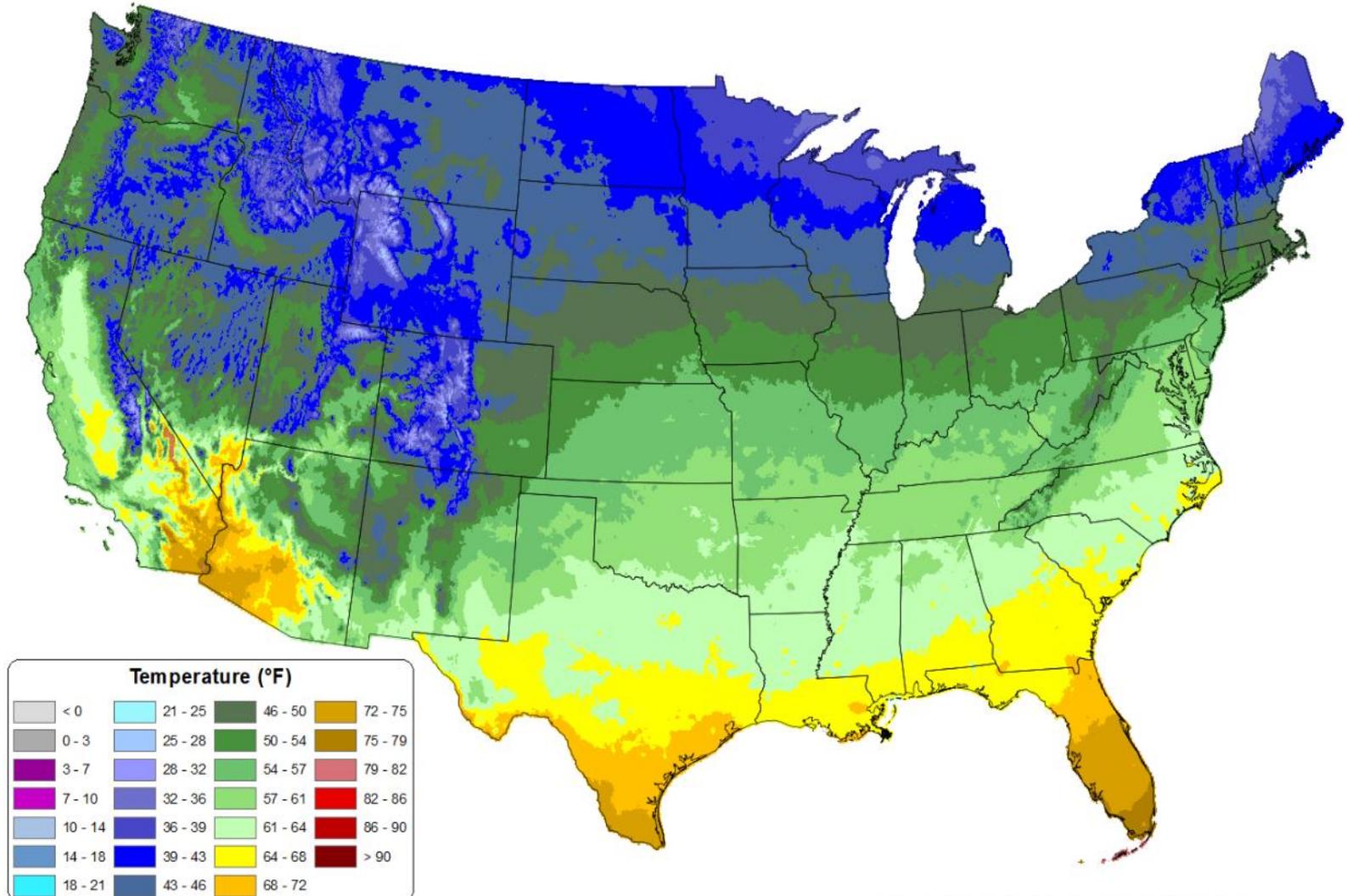


Average Daily Mean Temperature for April 2019

Average Daily Mean Temperature: Apr 2019

Period ending 7 AM EST 30 Apr 2019

(Map created 02 May 2019)

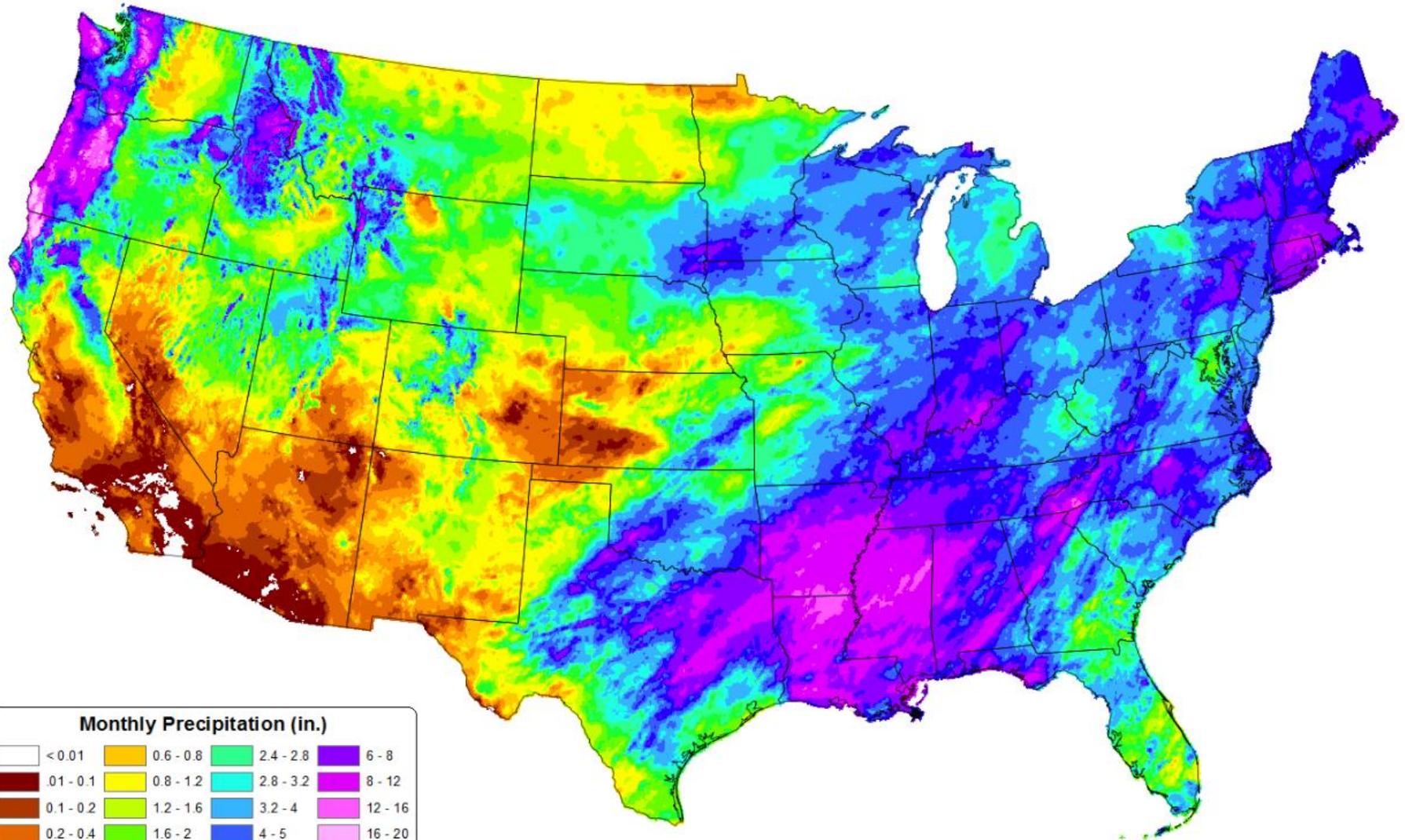


Total Precipitation for April 2019

Total Precipitation: Apr 2019

Period ending 30 Apr 2019

(Map created 02 May 2019)



Monthly Precipitation (in.)

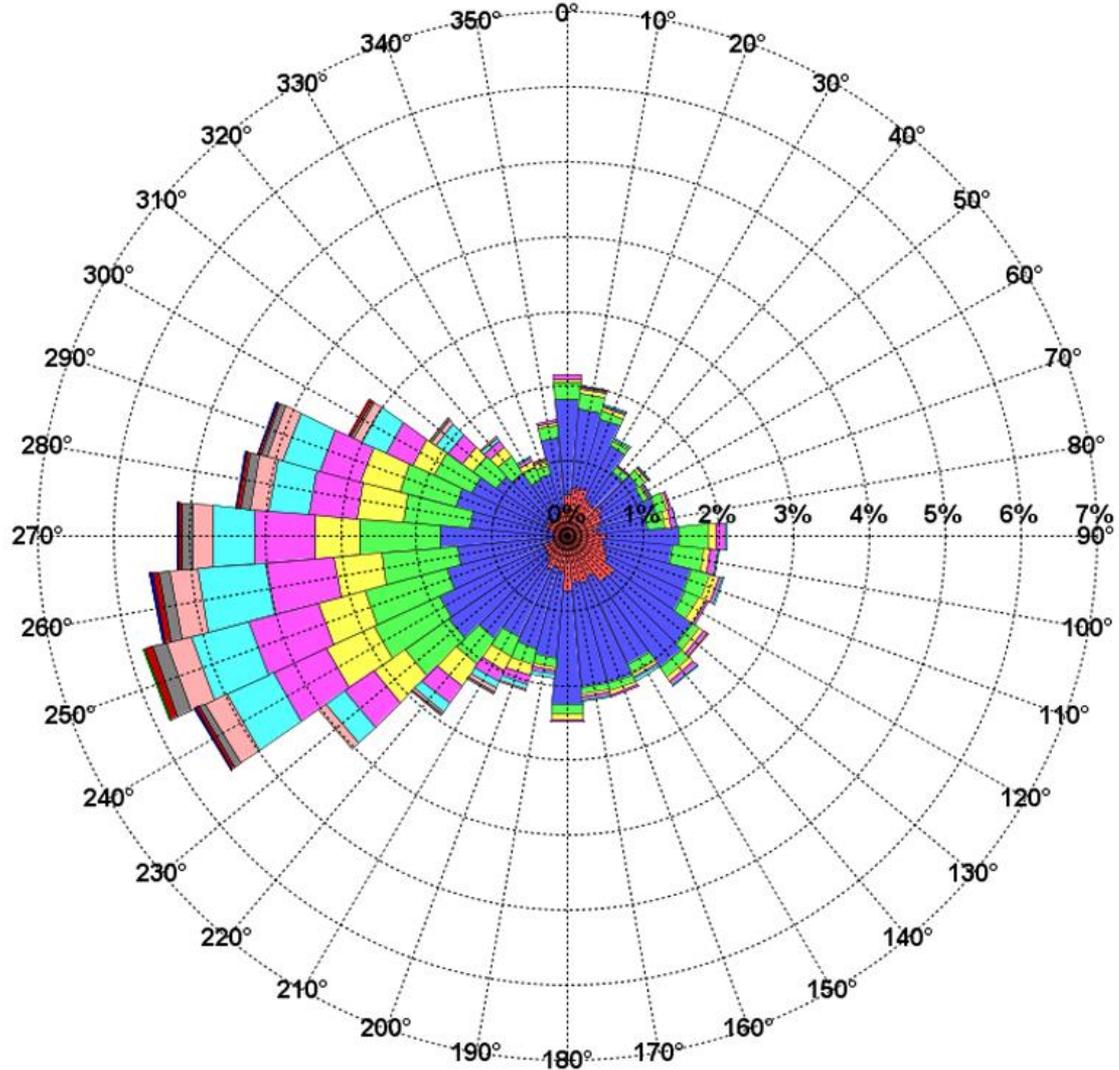
<0.01	0.6-0.8	2.4-2.8	6-8
0.1-0.1	0.8-1.2	2.8-3.2	8-12
0.1-0.2	1.2-1.6	3.2-4	12-16
0.2-0.4	1.6-2	4-5	16-20
0.4-0.6	2-2.4	5-6	>20

Special Features

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

Month: APRIL
Calm: 6.66%
Variable: 2.29%

WindRose - KELP - EL PASO INTL
% Frequency of Wind Speed from a Direction
POR:19730101-20140602



Selected weather reports April 2019

Date/Time	Location (County)	Event
APR 3 310 PM	SAN AUGUSTIN PASS-DONA ANA	PEAK WIND 73 MPH
APR 3 713 PM	SOUTH FRANKLIN PEAK-EL PASO	PEAK WIND 64 MPH
APR 3 204 PM	MAYHILL 3NW-OTERO	PEAK WIND 56 MPH
APR 3 140 PM	HACHITA 15SW-HIDALGO	PEAK WIND 54 MPH
APR 3 830 PM	WSMR MAIN POST-DONA ANA	PEAK WIND 52 MPH
APR 3 655 PM	EL PASO INTL AIRPORT-EL PASO	PEAK WIND 48 MPH
APR 10 410 PM	SAN AUGUSTIN PASS-DONA ANA	PEAK WIND 102 MPH
APR 10 553 PM	SOUTH FRANKLIN PASS-EL PASO	PEAK WIND 88 MPH
APR 10 751 AM	WSMR MAIN POST-DONA ANA	PEAK WIND 78 MPH
APR 10 455 PM	CLOUDCROFT-OTERO	PEAK WIND 70 MPH
APR 10 1204 PM	MAYHILL 3NW-OTERO	PEAK WIND 69 MPH
APR 10 415 PM	SUNSPOT-OTERO	PEAK WIND 68 MPH
APR 10 1112 PM	EL PASO INTL AIRPORT-EL PASO	PEAK WIND 67 MPH
APR 10 1206 PM	HIGH ROLLS-OTERO	PEAK WIND 66 MPH
APR 10 1158 AM	HOLLOMAN AFB-OTERO	PEAK WIND 63 MPH

Selected weather reports April 2019

Date/Time	Location (County)	Event
APR 10 1158 AM	HOLLOMAN AFB-OTERO	PEAK WIND 63 MPH
APR 10 435 PM	SANTA TERESA 5NW-DONA ANA	PEAK WIND 63 MPH
APR 10 326 PM	DRIPPING SPRINGS-DONA ANA	PEAK WIND 61 MPH
APR 10 501 PM	ORGAN 11NE-DONA ANA	PEAK WIND 61 MPH
APR 10 235 PM	LAS CRUCES AIRPORT-DONA ANA	PEAK WIND 61 MPH
APR 10 117 PM	SIERRA BLANCA-HUDSPETH	PEAK WIND 59 MPH
APR 10 441 PM	MESCALERO-OTERO	PEAK WIND 58 MPH
APR 10 1146 AM	T OR C AIRPORT-SIERRA	PEAK WIND 58 MPH
APR 10 535 PM	ALAMOGORDO AIRPORT-OTERO	PEAK WIND 56 MPH
APR 10 404 PM	CLINT-EL PASO	PEAK WIND 56 MPH
APR 10 359 PM	REDROCK 12E-GRANT	PEAK WIND 55 MPH
APR 10 1140 AM	HACHITA 15SW-HIDALGO	PEAK WIND 54 MPH
APR 10 100 PM	DEMING 2SE-LUNA	PEAK WIND 53 MPH
APR 10 1128 AM	WINSTON-SIERRA	PEAK WIND 52 MPH
APR 10 1050 AM	SPACEPORT AMERICA-SIERRA	PEAK WIND 52 MPH

Selected weather reports April 2019

Date/Time	Location (County)	Event
APR 22 526 PM	CLINT-EL PASO	TORNADO
APR 22 505 PM	EL PASO NE-EL PASO	THUNDERSTORM GUST 64 MPH
APR 22 510 PM	SAN AUGUSTIN PASS 5NE-DONA ANA	THUNDERSTORM GUST 57 MPH
APR 22 510 PM	WSMR MAIN POST 18 NE-DONA ANA	THUNDERSTORM GUST 55 MPH
APR 23 600 PM	PICACHO 1SE-DONA ANA	1.00 INCH HAIL

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
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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**

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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[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.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**

