

April 2020 Weather Digest



April 2020 Weather Summary

Well as wet as March was, April was as dry. After experiencing a very abnormally wet March, April regressed back to our more typical very dry spring climate. The great majority of sites around southern New Mexico and west Texas received no measurable rain for the month. Despite this recent lack of rain, if you go back longer than a month ago, most of the area is still running a surplus of moisture. If you look at the longer term water year (Oct 1 to the present), most of the area is still at 100 to 150 percent of normal. So drought conditions still are not expected to develop around southern New Mexico and west Texas any time soon.

Looking at temperatures, since we had little to no rain, you would expect temperatures to be above average. That's exactly what we saw as average daily temperatures of the various sites came in around 2 to 5 degrees above normal. Extreme temperatures still did not appear as none of our lowland sites reported hitting 100 degrees yet. Most of these sites don't typically hit 100 degrees until the first or second week of May.

April 2020 Weather Summary, cont'd

Looking ahead to May, things really start to heat up as most lowland sites will see their first 100 degree day by the first or second week of the month. May is also the last of our dry spring months, as we begin trending to wetter months as the monsoon season approaches. For El Paso, the average high temperature increase from 83 on the first day to 93 on the last day of the month. The length of daylight continues to increase, from 13 hours 24 minutes on May 1st to 14 hours 2 minutes on the final day of the month. For you sky watchers, the full moon is on May 7th. This full moon, known as the Flower Moon or Milk Moon, will be the last of the super moons for this year.

Apr 21 Cirrus

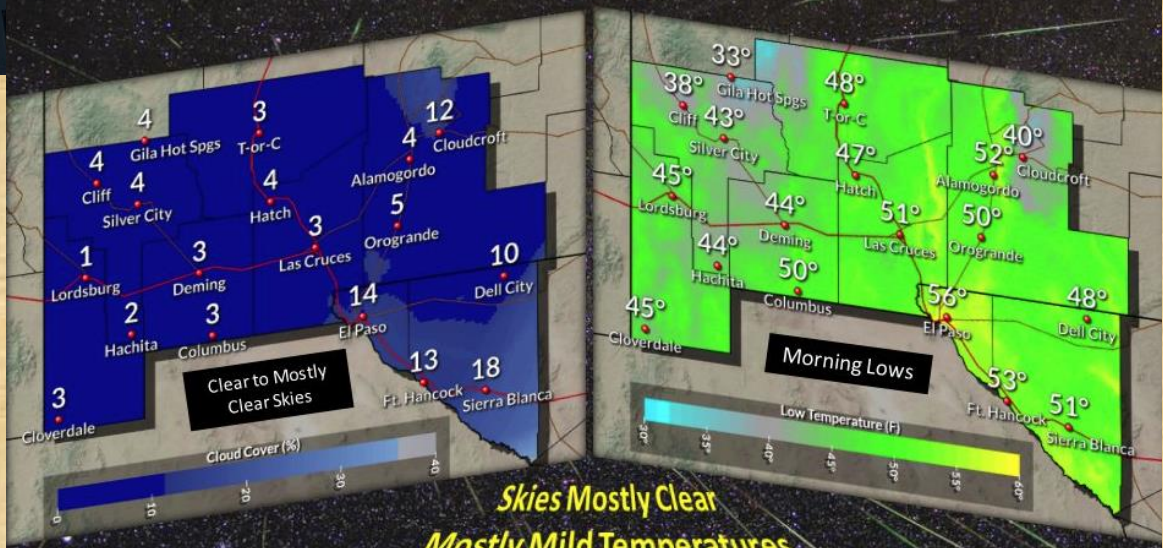


Stargazing Weather **Apr 21 Meteor shower**
Tuesday Night/ Early Wednesday Forecast

Weather Forecast Office
El Paso, TX
Issued April 21, 2020 5:23 PM



Lyrids Meteor Shower Peaks Tonight



*Skies Mostly Clear
Mostly Mild Temperatures
Windy East of Area Mountains
Look for Meteors in the Eastern Skies*

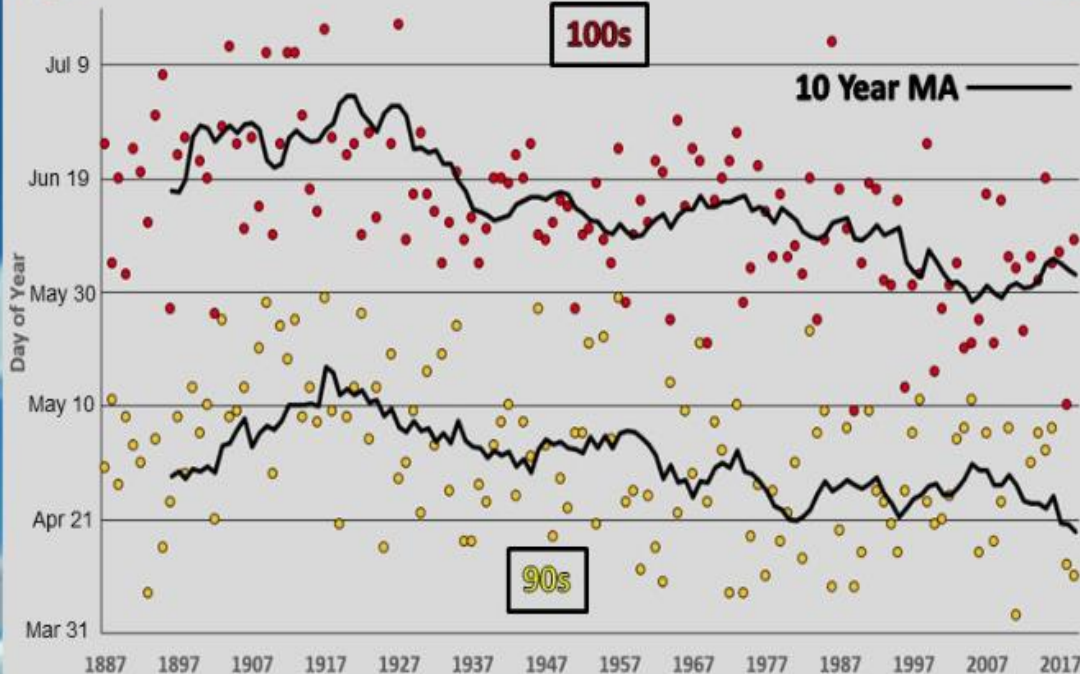
The Heat is On-Last Week of April

90° and 100° Date Information for El Paso



Historical Plot of Yearly 1st 90° and 100°F Dates

El Paso, TX (1887-2019)



Average First 90°+ Date at El Paso: April 29

Average First 100°+ Date at El Paso: June 13

Top 10 Earliest 90°+ dates at El Paso

1. Mar 18, 1907
2. Mar 19, 2017
3. Mar 25, 2012
4. Apr 2, 2011
5. Apr 6, 1893
- Apr 6, 1972
- Apr 6, 1974
8. Apr 7, 1986
- Apr 7, 1989
10. Apr 8, 1963

Top 10 Latest First 90°+ dates at El Paso

1. May 28, 1957
- May 28, 1917
3. May 27, 1909
4. May 26, 1946
5. May 25, 1922
6. May 24, 1913
- May 24, 1903
8. May 23, 1935
- May 23, 1911
10. May 22, 1983

Top 10 Earliest 100°+ dates at El Paso

1. May 8, 1989
2. May 9, 2018
3. May 12, 1996
4. May 15, 2000
5. May 19, 2004
6. May 20, 1969
- May 20, 2005
- May 20, 2008
9. May 22, 2012
10. May 24, 1984
- May 24, 2006

Top 10 Latest First 100°+ dates at El Paso

1. Sep 2, 1899
2. Aug 13, 1919
3. Jul 19, 1925
4. Jul 15, 1927
5. Jul 14, 1917
6. Jul 12, 1986
7. Jul 11, 1904
8. Jul 10, 1913
- Jul 10, 1912
- Jul 10, 1909



The Heat is On-Last Week of April. Part 2

Hot Week Ahead

First 90°+ High Temps of the Year Expected

Weather Forecast Office

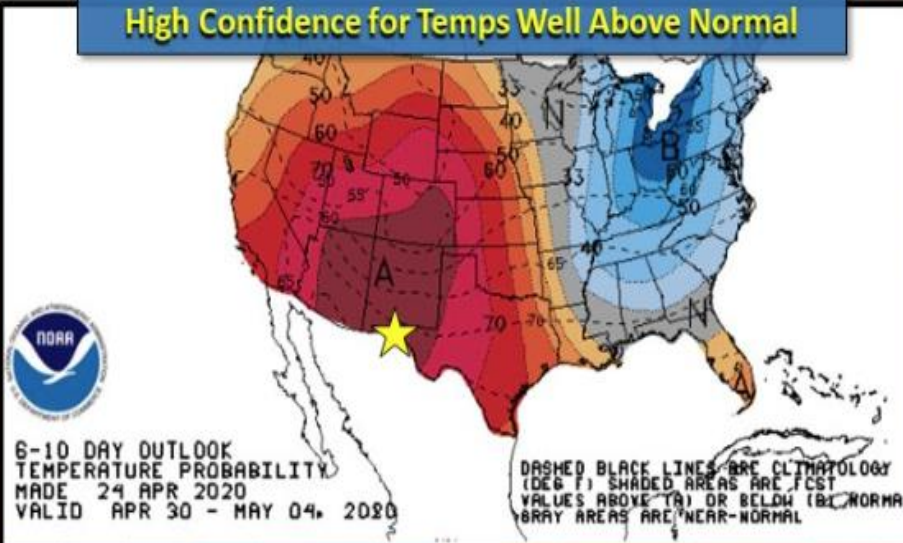
El Paso, TX

Issued April 24, 2020 3:15pm



Climate Prediction Center Temperature Outlook –
High Confidence for Temps Well Above Normal

Forecast High Temps	Sunday April 26th	Monday April 27th	Tuesday April 28th	Wednesday April 29th	Thursday April 30th
El Paso	95°	94°	95°	94°	96°
Las Cruces	94°	94°	95°	95°	97°
Deming	93°	91°	92°	93°	95°
T-or-C	92°	94°	95°	95°	97°
Alamogordo	90°	92°	94°	93°	95°
Fort Hancock	95°	94°	95°	95°	98°
Silver City	84°	82°	85°	86°	88°
Cloudcroft	68°	69°	71°	70°	72°



Average first 90°+ Date at El Paso: April 29th
Average first 100°+ Date at El Paso: June 13th

We'll see the hottest temperatures of the year so far in the upcoming week.
Be sure to stay hydrated & keep your pets cool/hydrated when outside.
Also, don't leave children, pets, or the elderly in parked cars.



ENSO conditions are neutral. Alert system is not active

ENSO Alert System

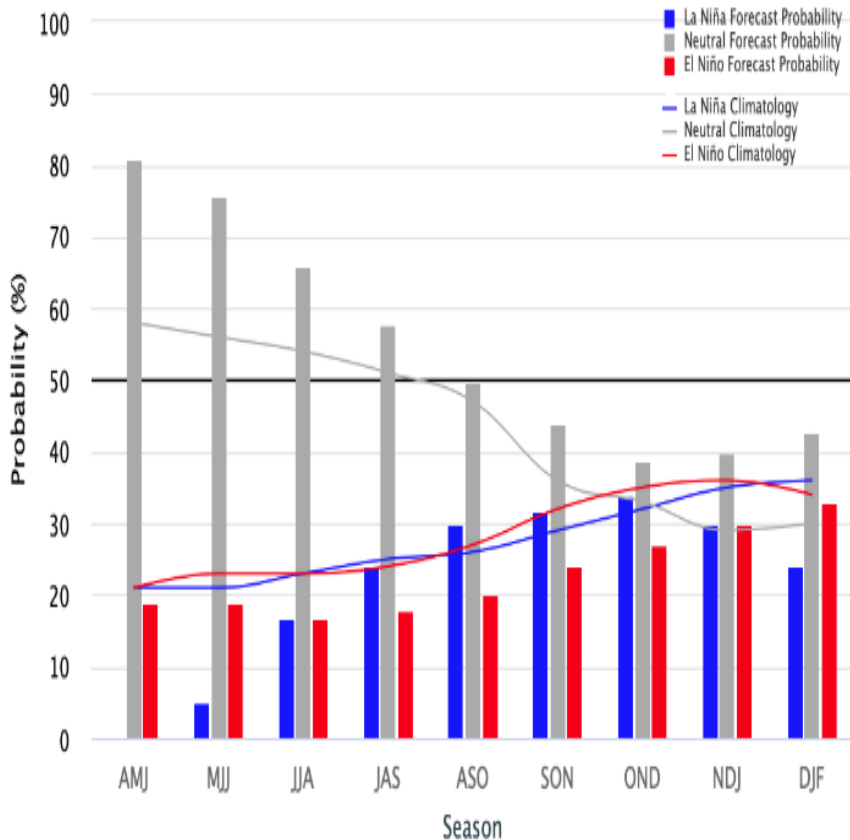
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

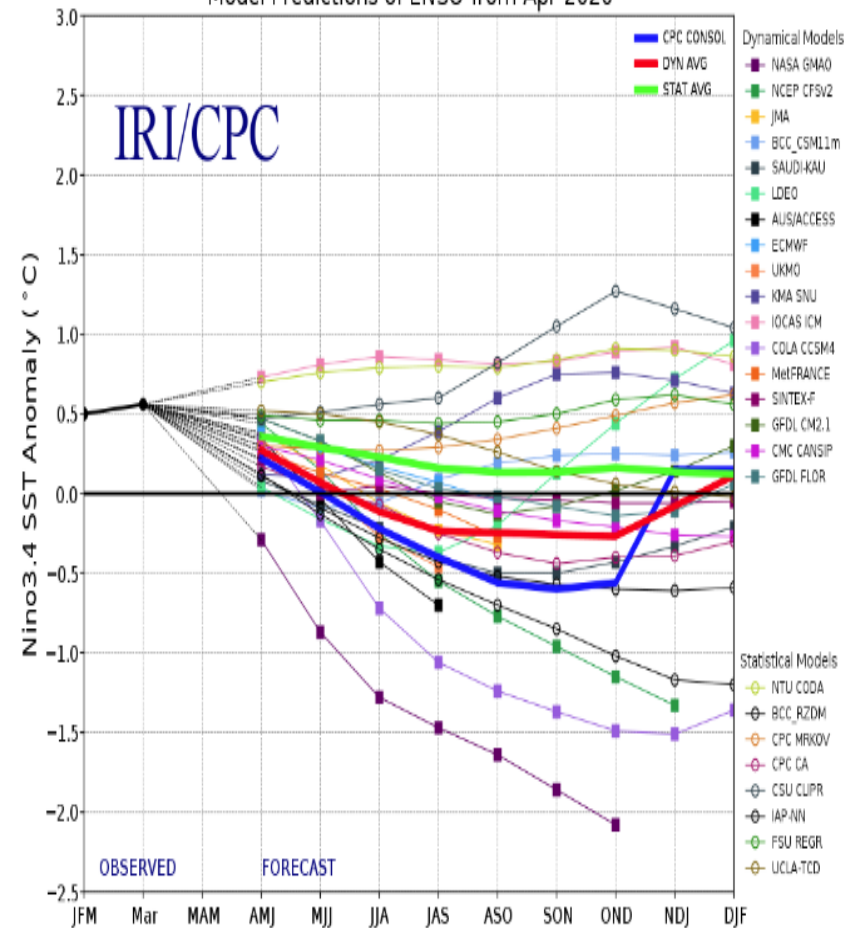
ENSO is now in a neutral phase and is expected to remain that way into this winter

Mid-April 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



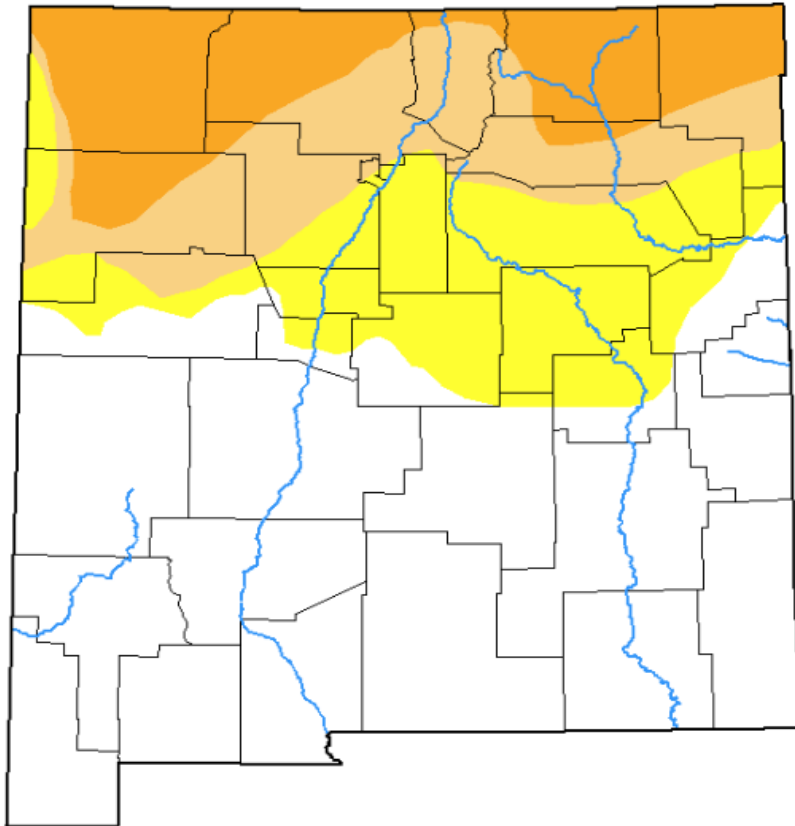
Model Predictions of ENSO from Apr 2020



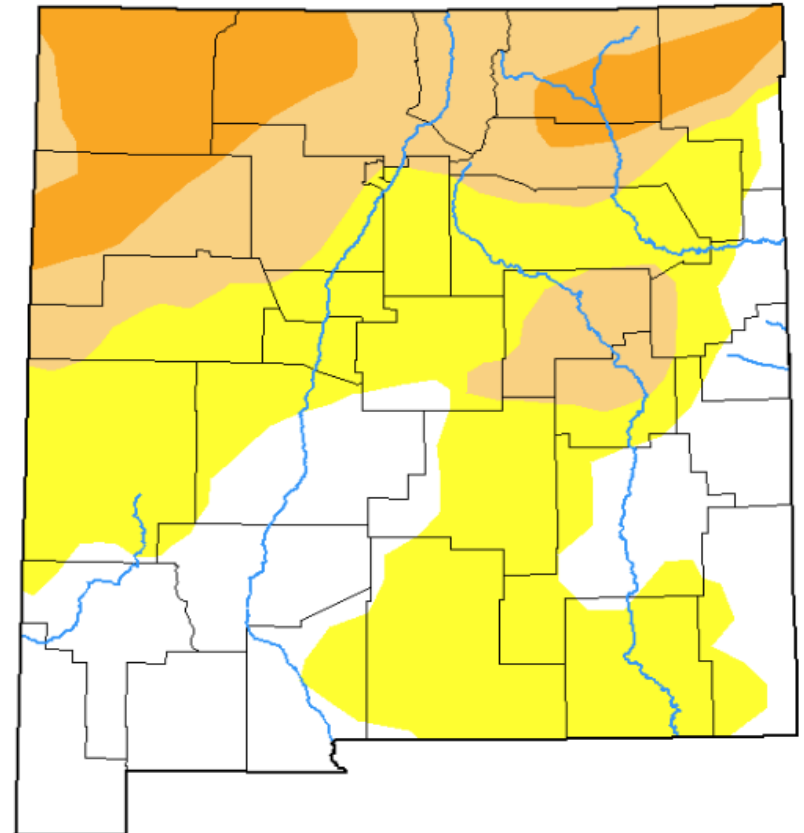
Current drought conditions for New Mexico and 3 month change

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

April 28, 2020








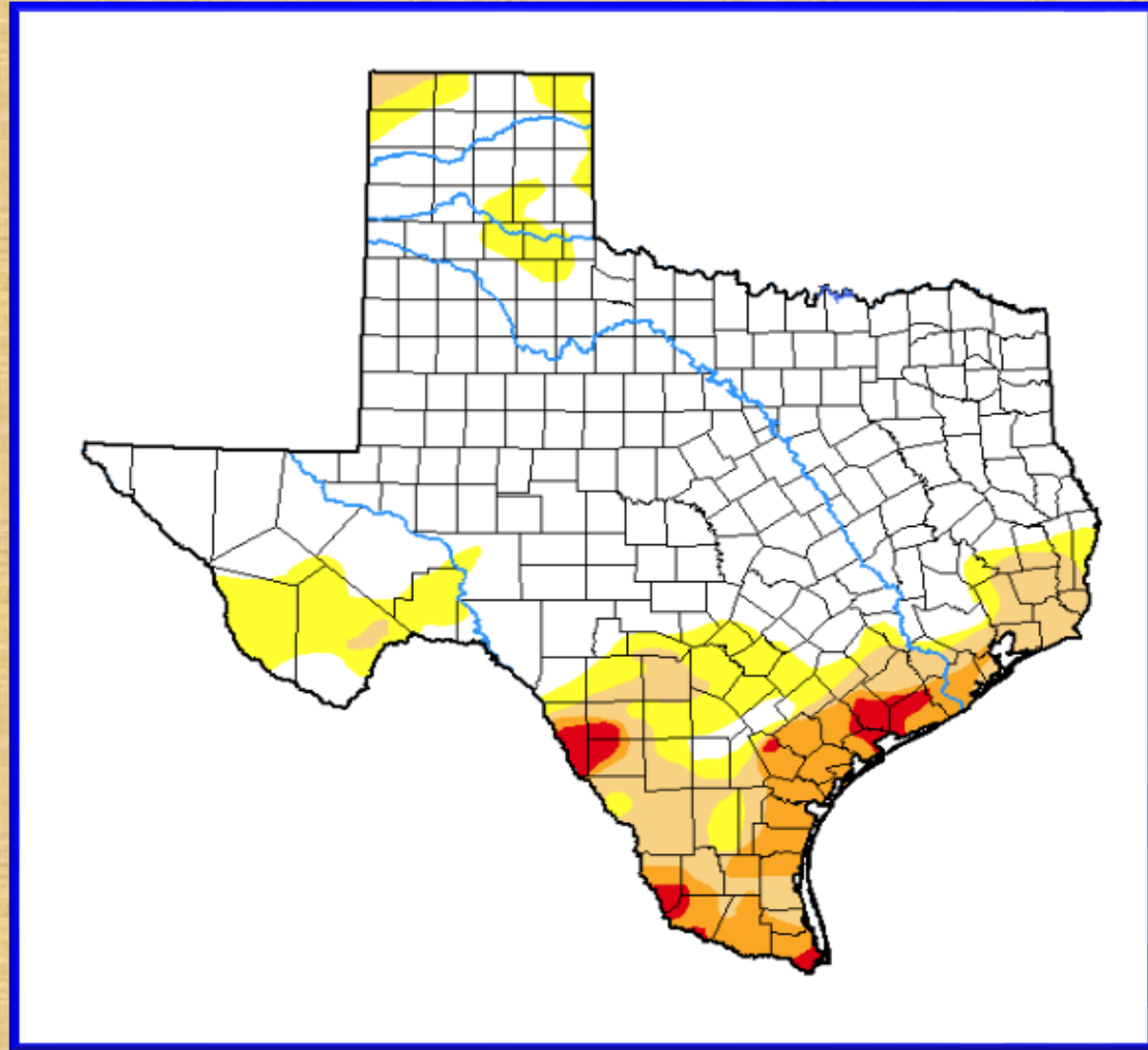
January 28, 2020



Current drought conditions for Texas as of April 28, 2020

Intensity:

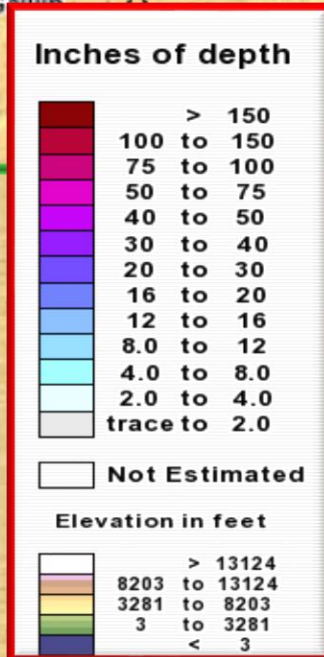
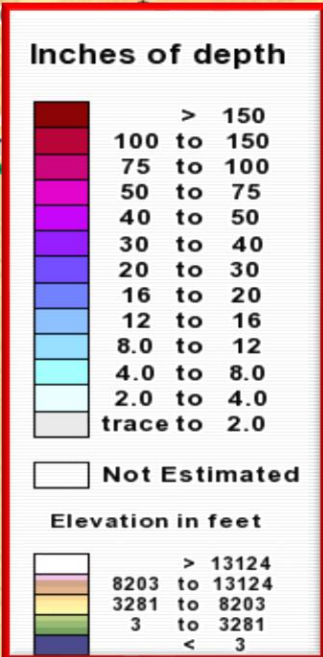
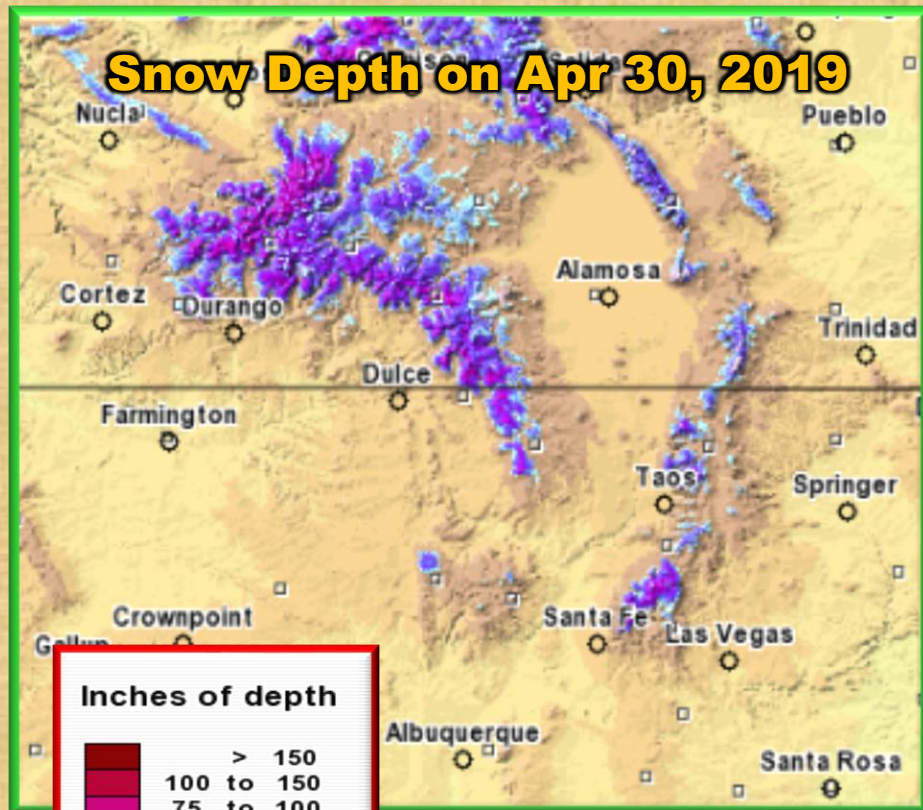
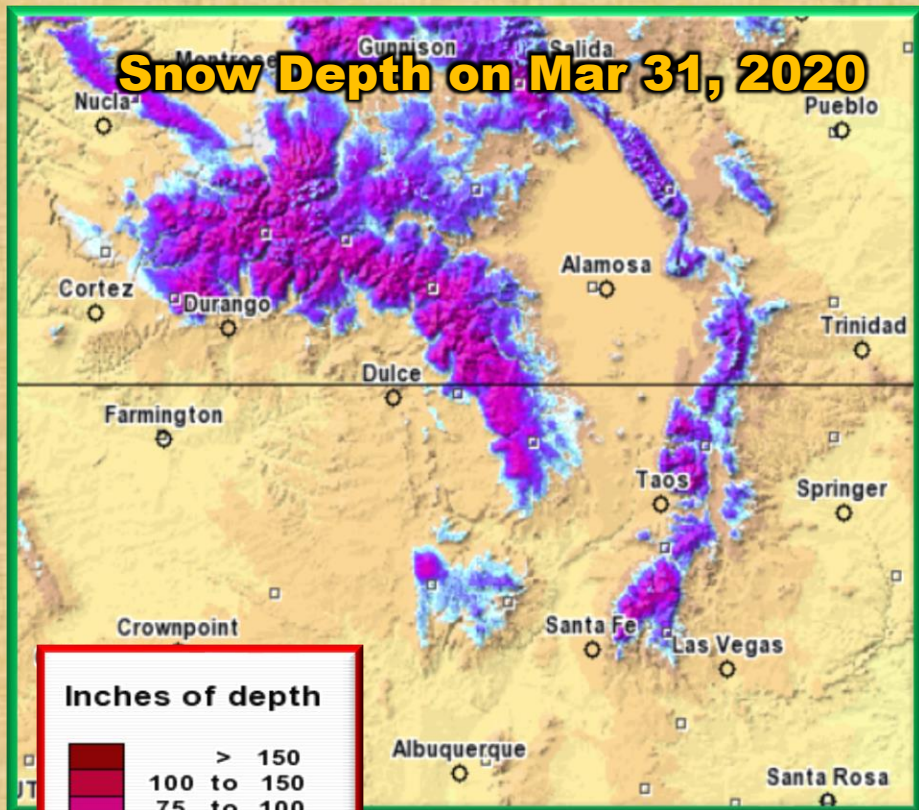
-  D0 - Abnormally Dry
-  D1 - Moderate Drought
-  D2 - Severe Drought
-  D3 - Extreme Drought
-  D4 - Exceptional Drought



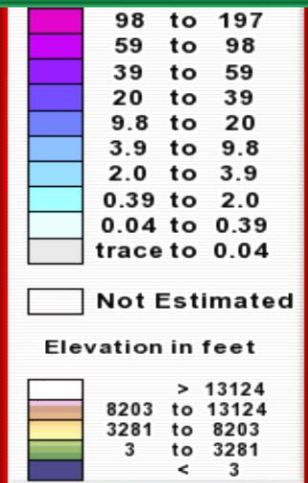
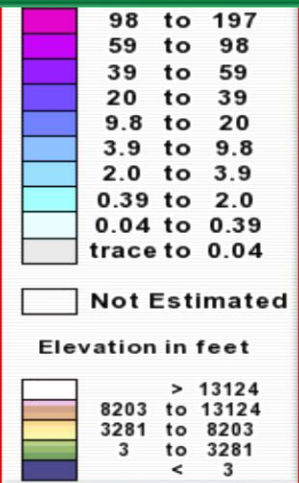
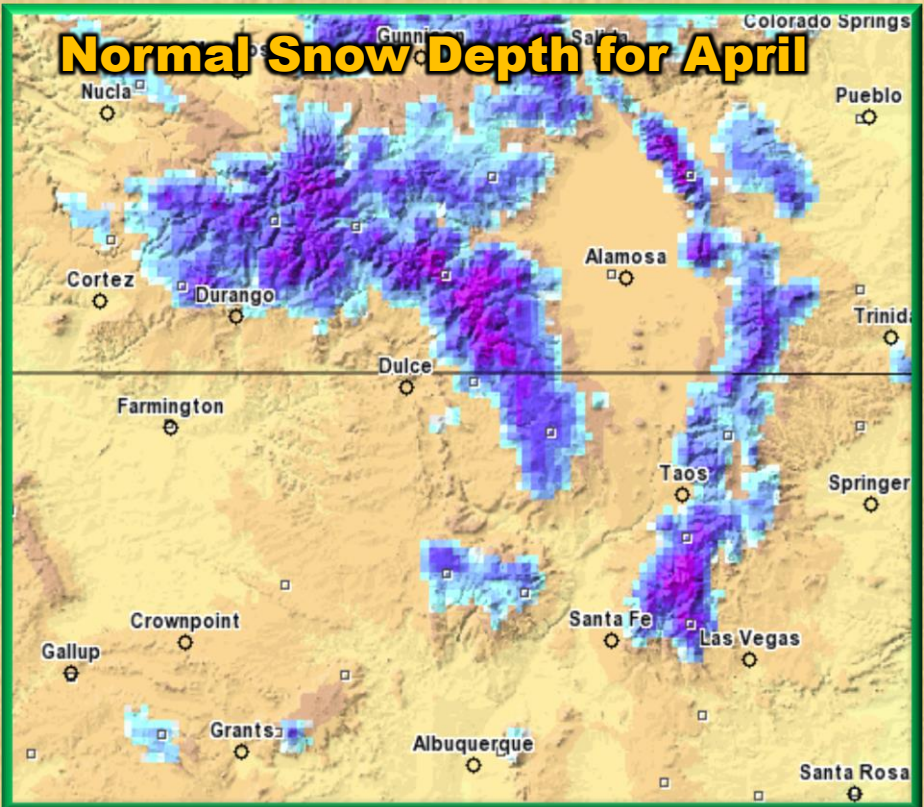
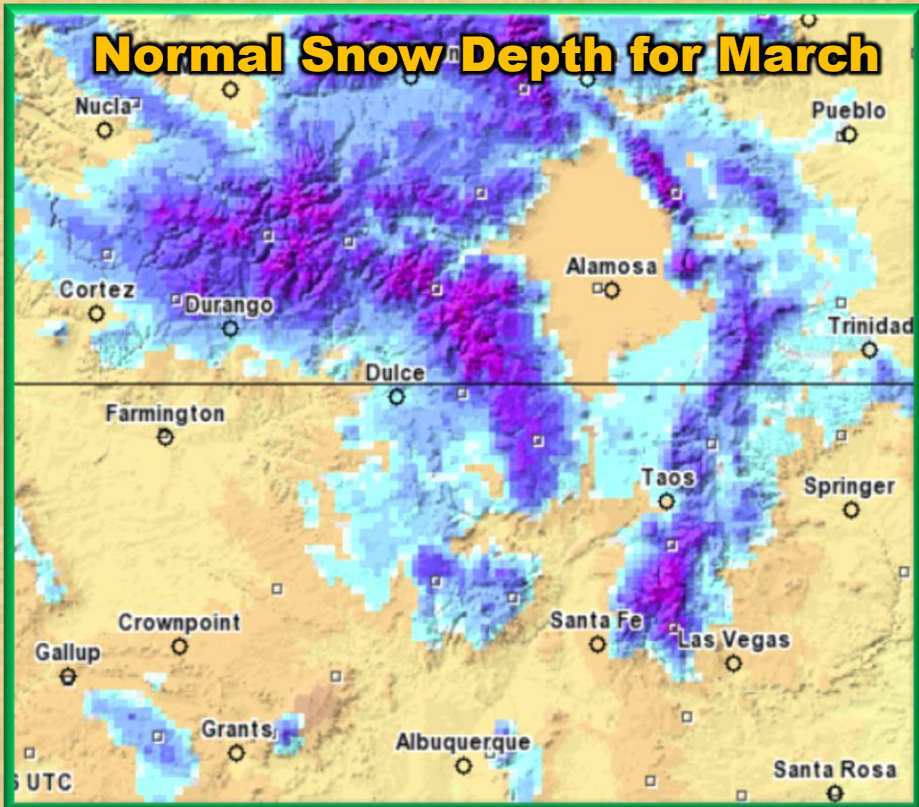
Build your own custom slider maps here at:

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

Snow Data Upper Rio Grand Basin as of April 30, 2020



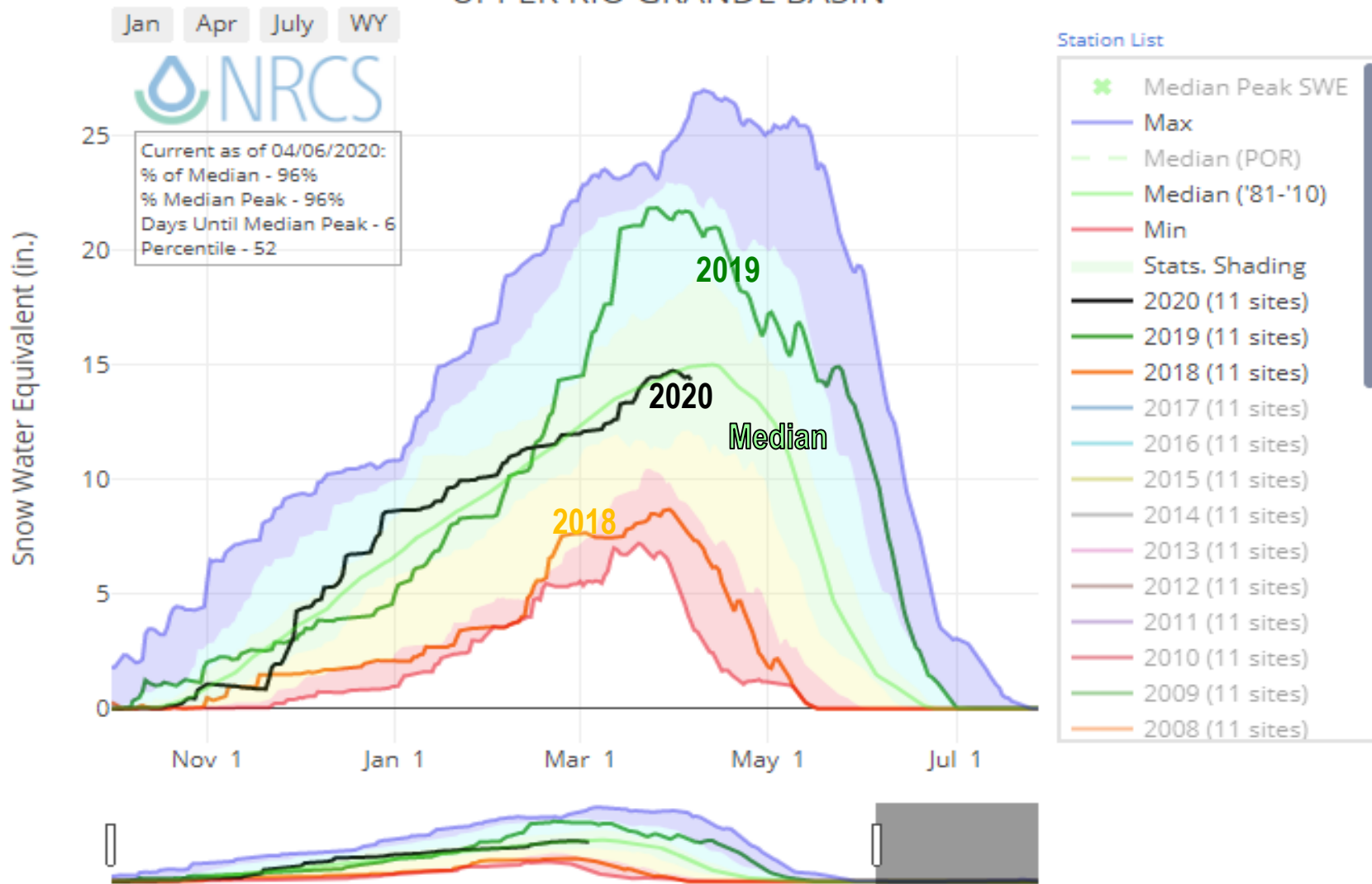
Snow Data Upper Rio Grand Basin as of April 30, 2020



Snow Water Equivalent as of April 30, 2020

Compare to last few years and average values

Snow Water Equivalent in UPPER RIO GRANDE BASIN

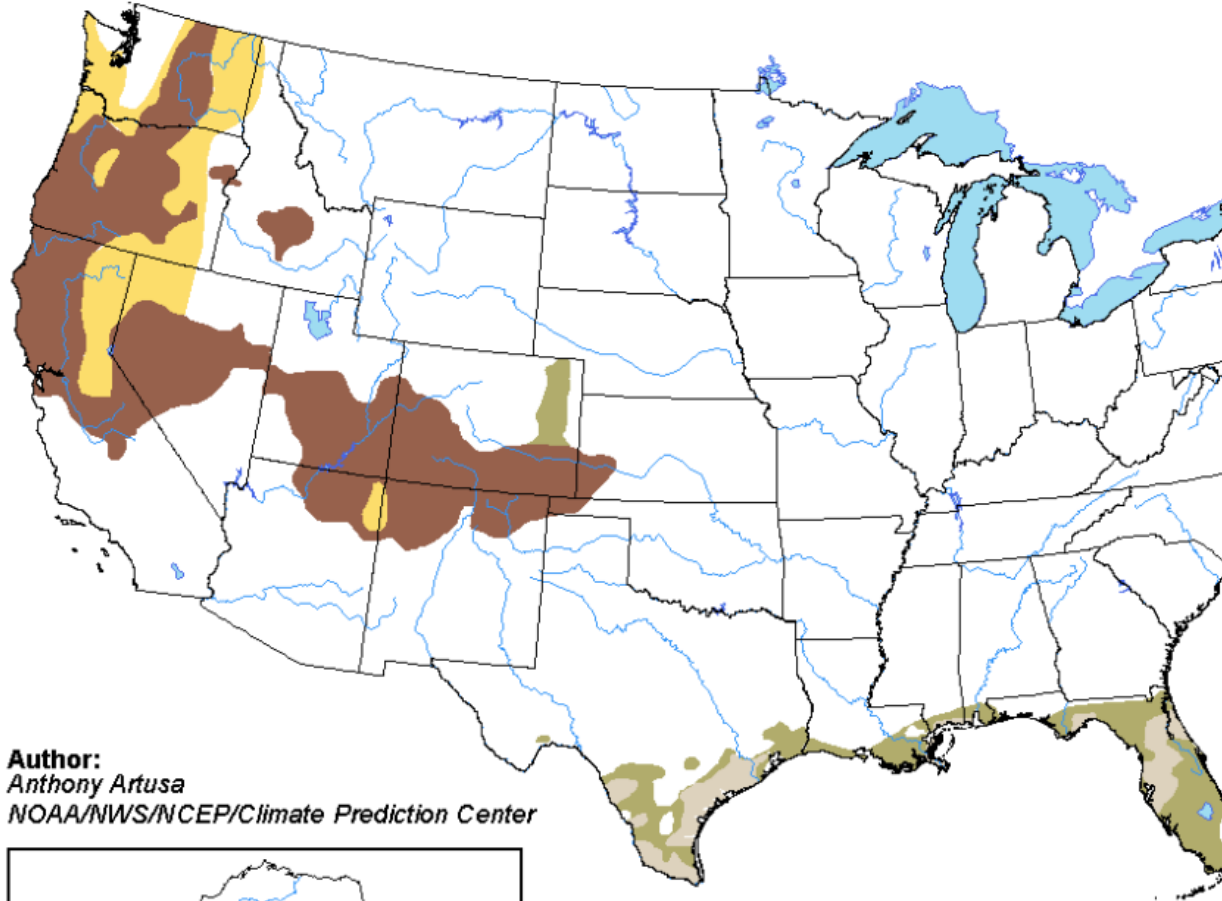


Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th Percentiles.

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

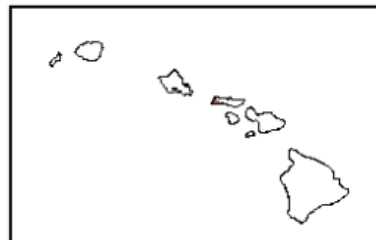
Valid for April 16 - July 31, 2020
Released April 16







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

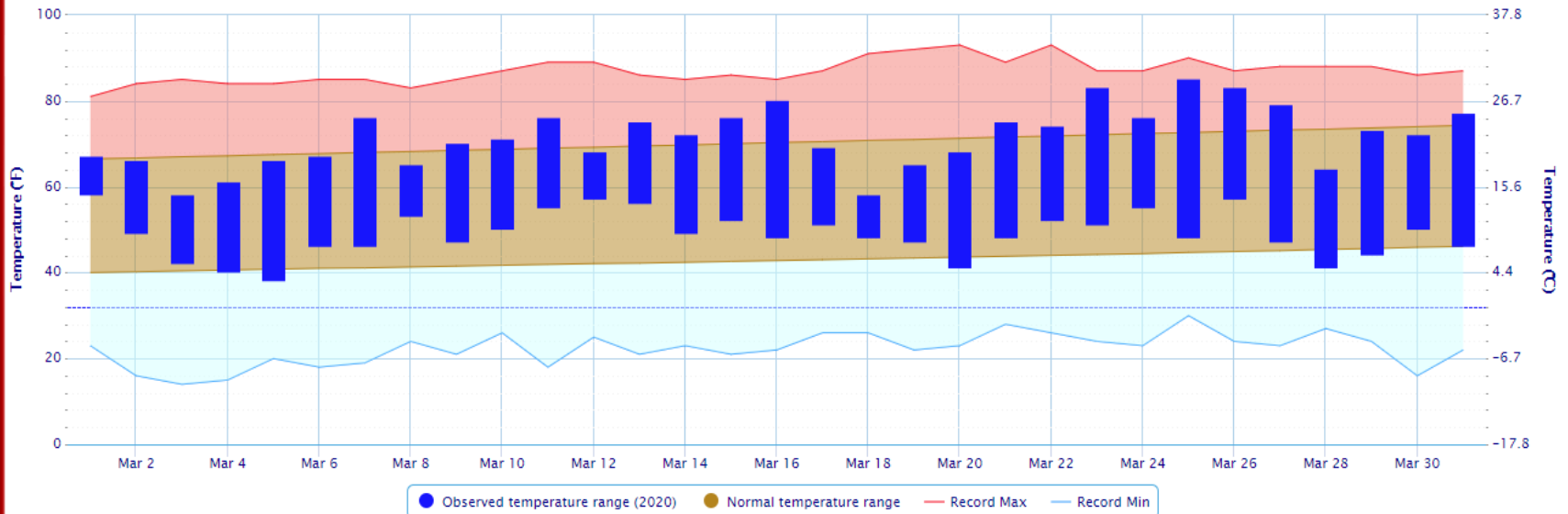


<http://go.usa.gov/3eZ73>

Temperature and precipitation data for April 2020 in El Paso

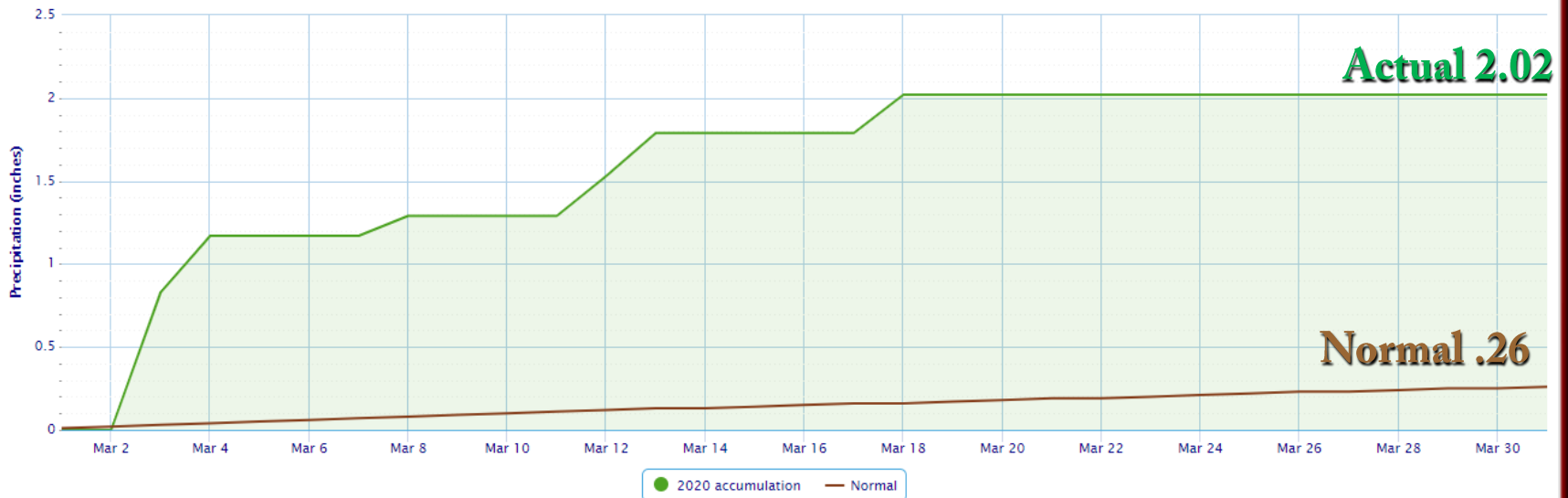
Daily Temperature Data – El Paso Area, TX (ThreadEx)

Period of Record – Max temperature: 1887-01-01 to 2020-04-05; Min temperature: 1879-01-01 to 2020-04-05. Normals period: 1981-2010. Click and drag to zoom chart.

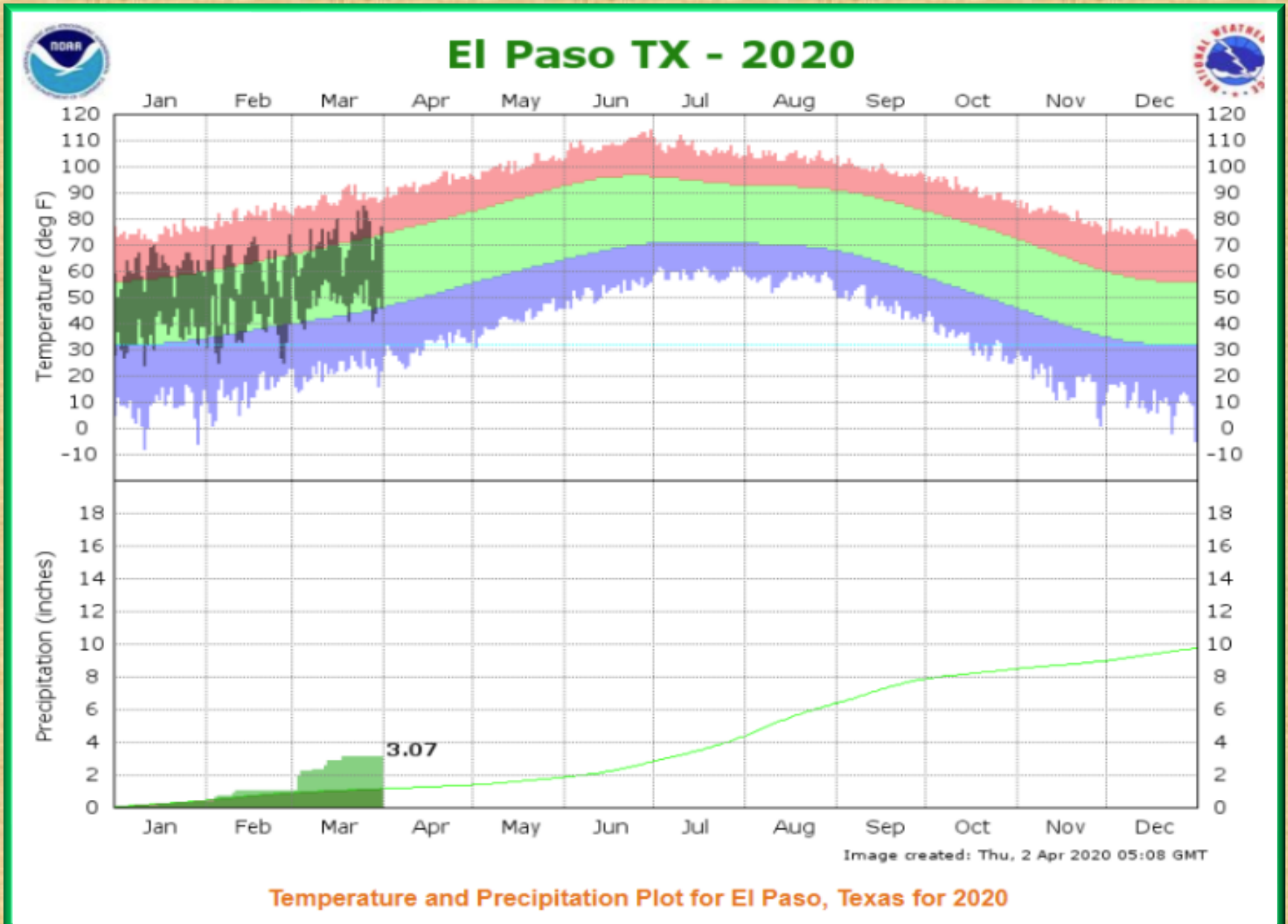


Accumulated Precipitation – El Paso Area, TX (ThreadEx)

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



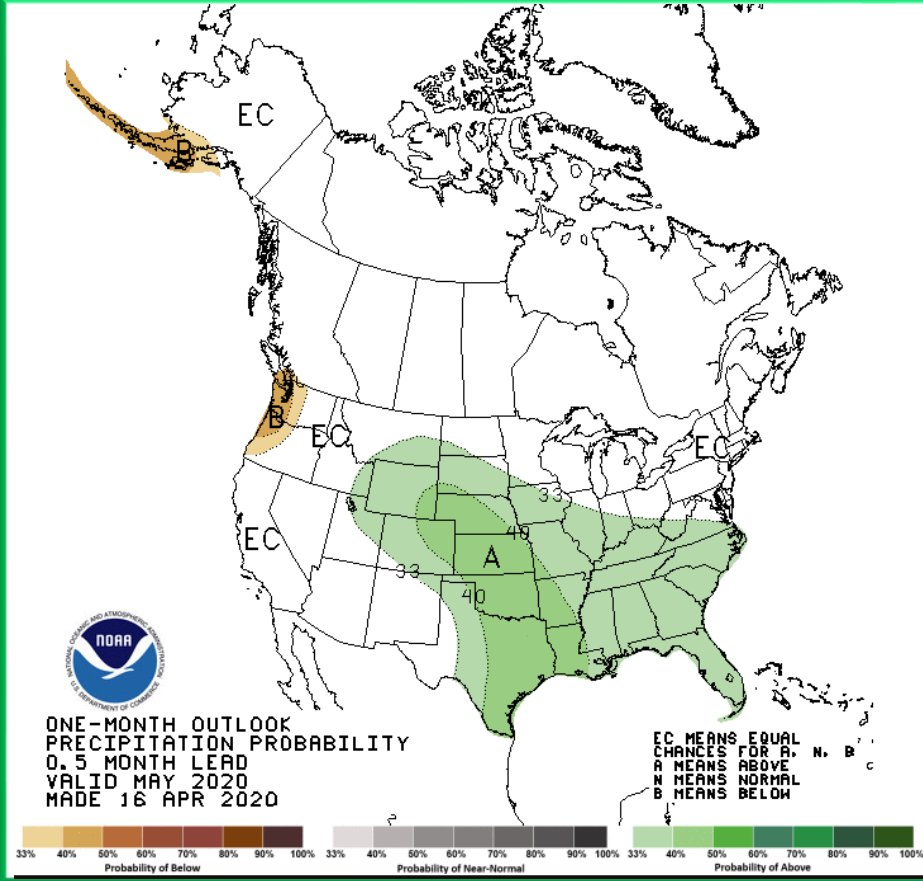
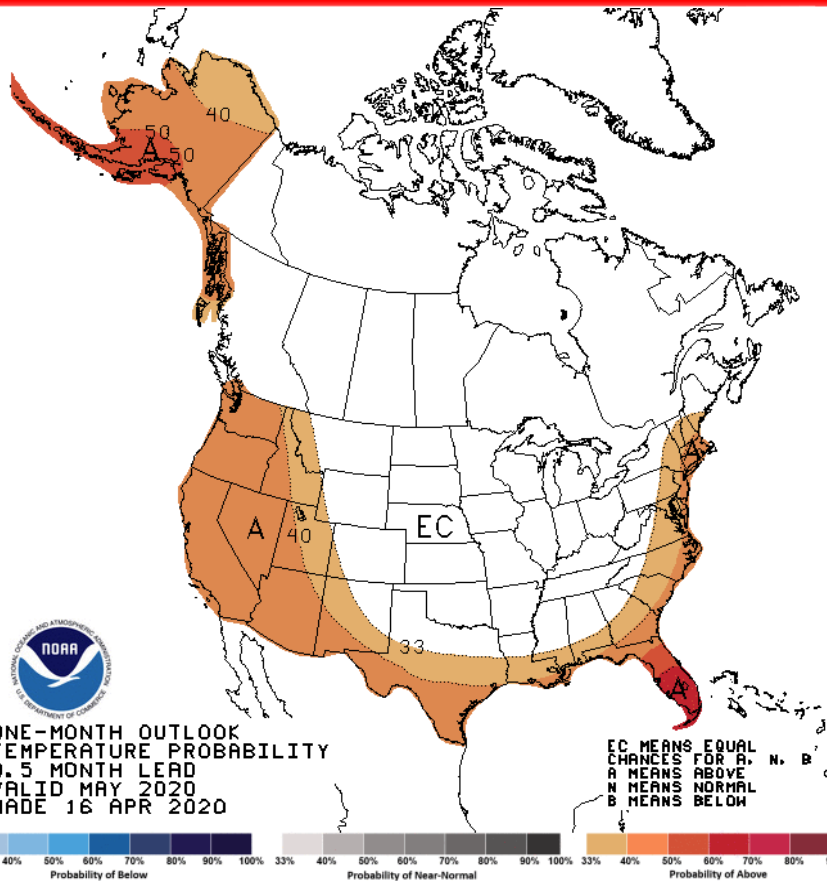
2020 Year to Date: Temperature and Precipitation Data for El Paso



Temperature and precipitation outlook for May 2020

Temperature

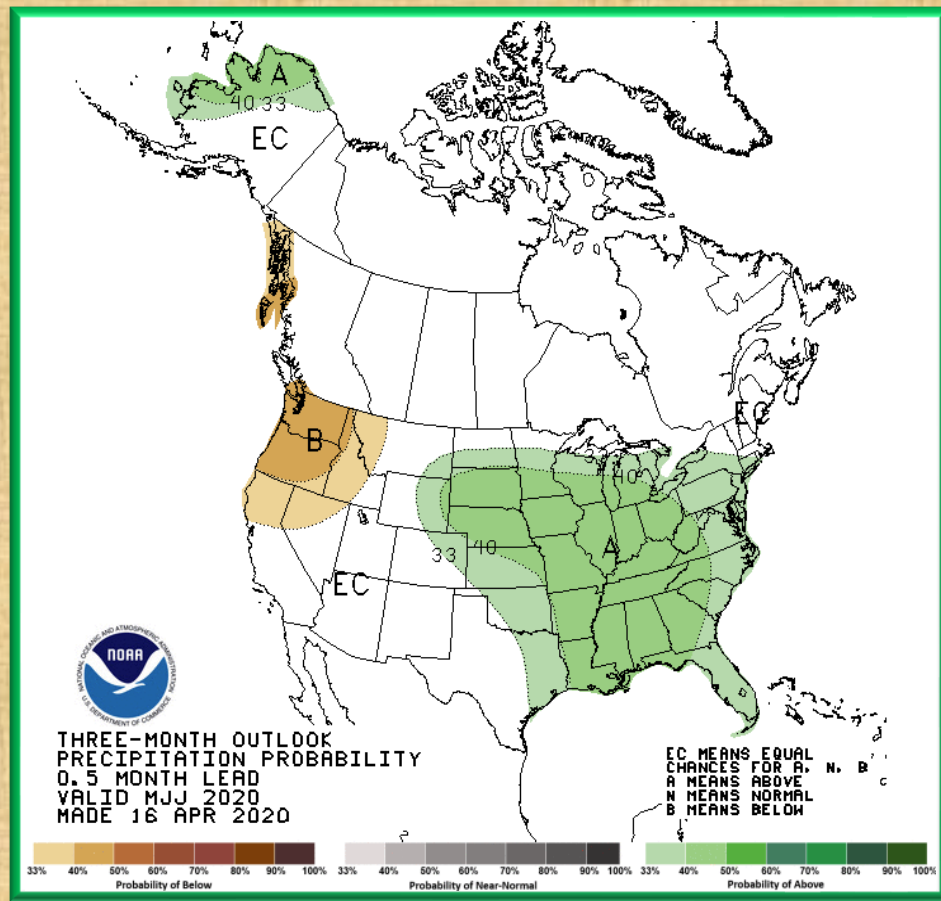
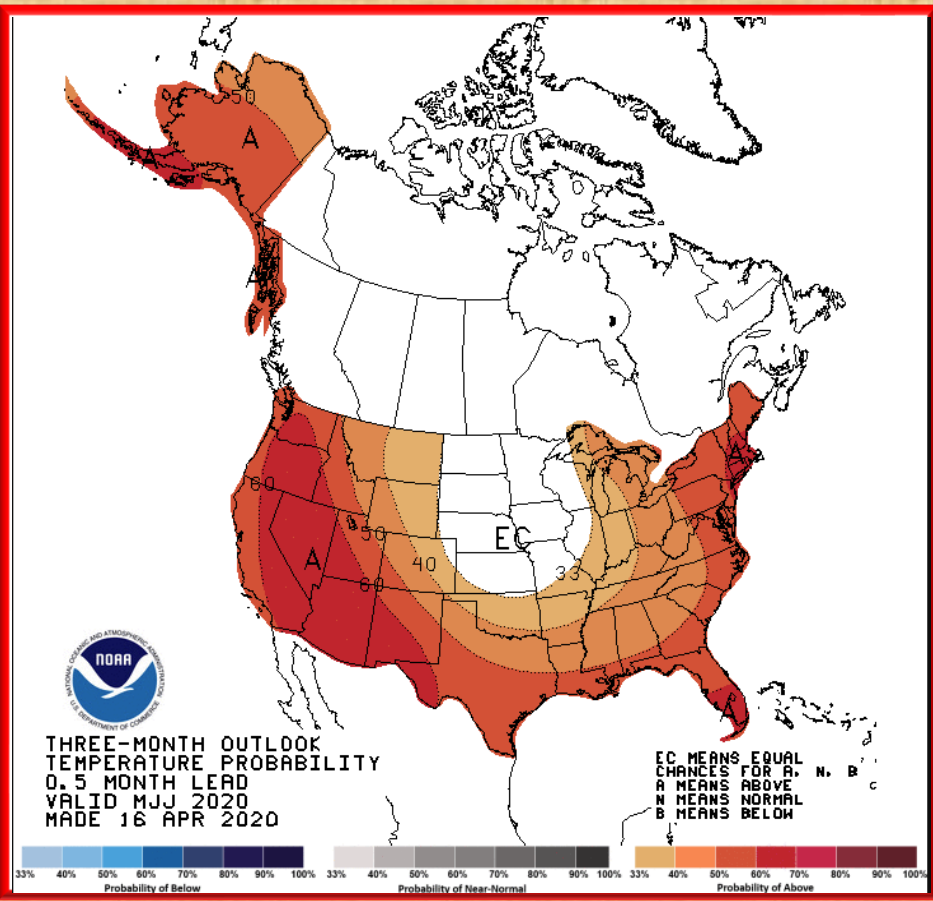
Precipitation



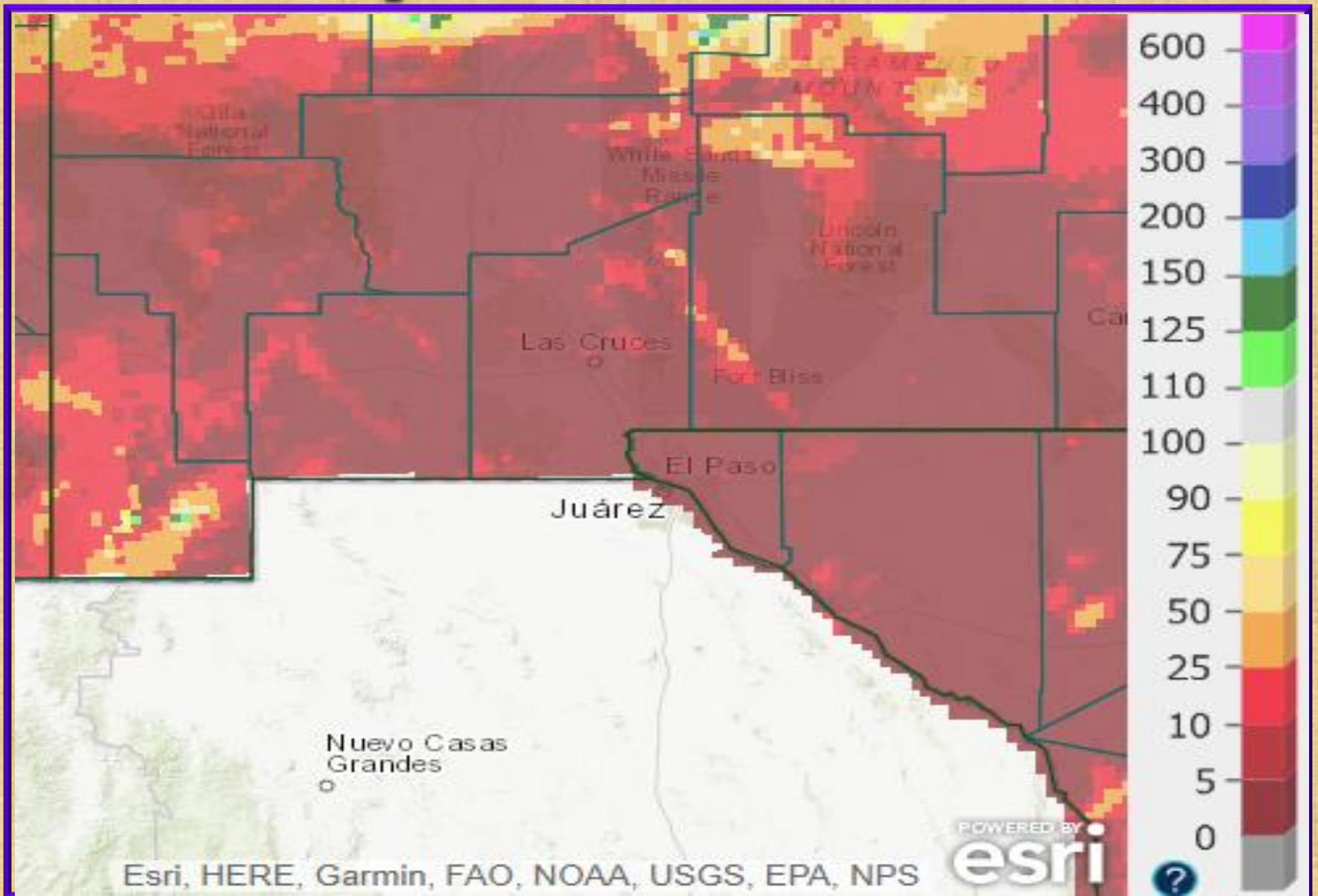
Temperature and precipitation outlook For May-July 2020

Temperature

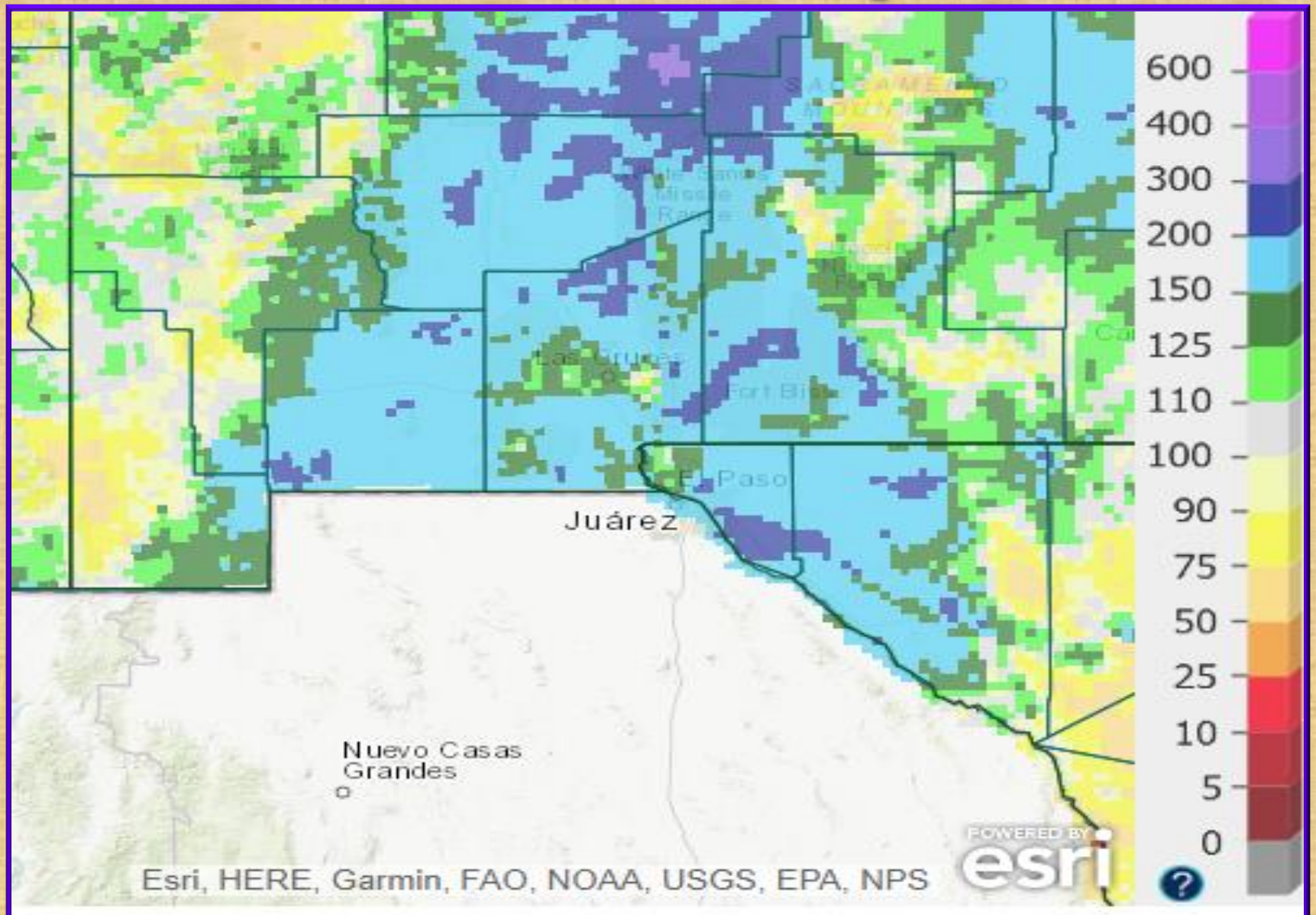
Precipitation



April 2020 radar rainfall estimate percent of normal



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

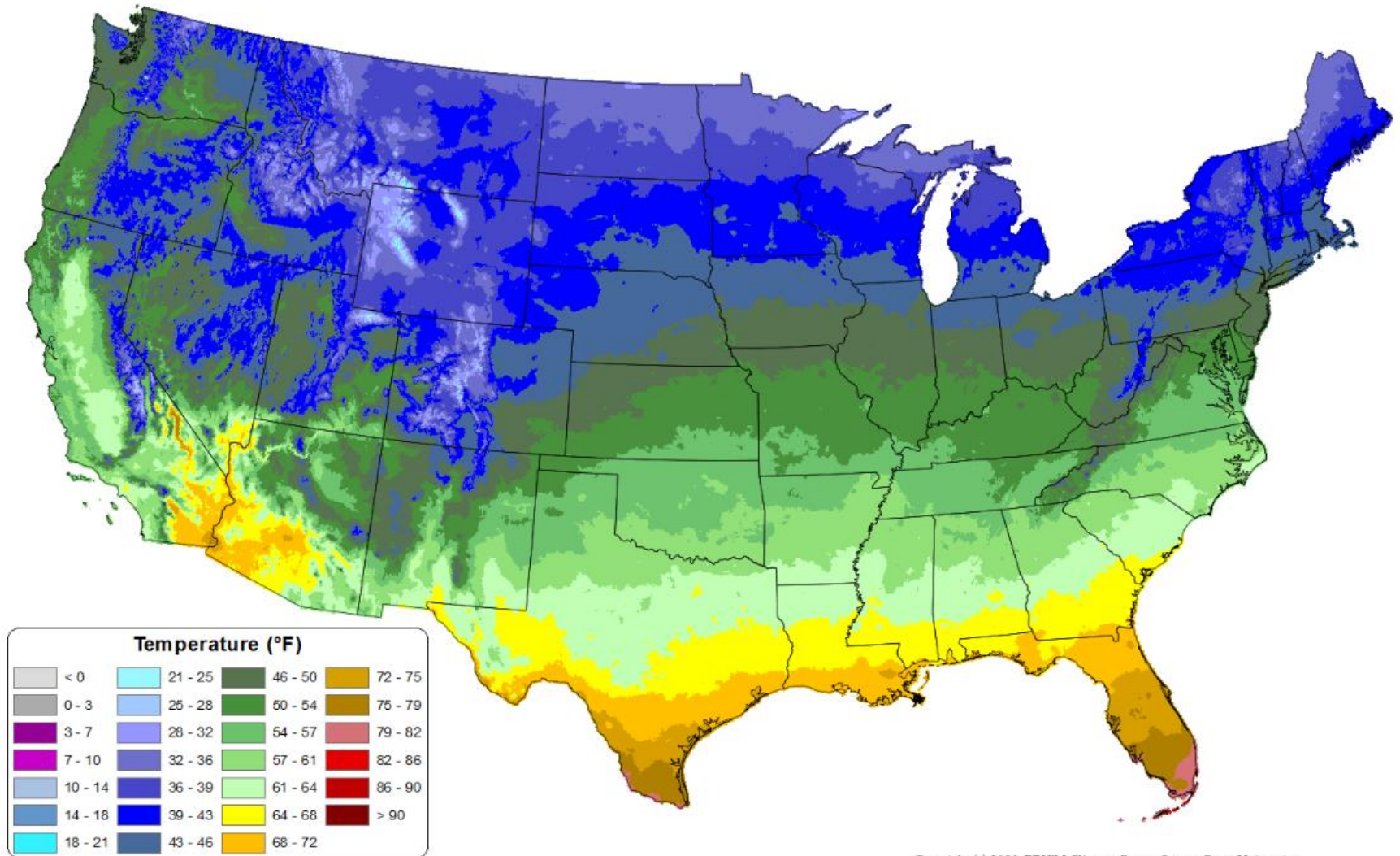


Average Daily Mean Temperature for April 2020

Average Daily Mean Temperature: Apr 2020

Period ending 7 AM EST 30 Apr 2020

(Map created 02 May 2020)

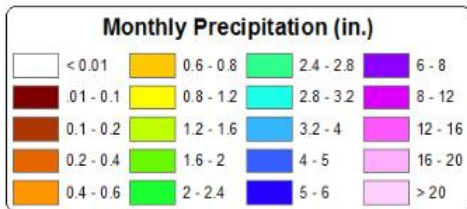
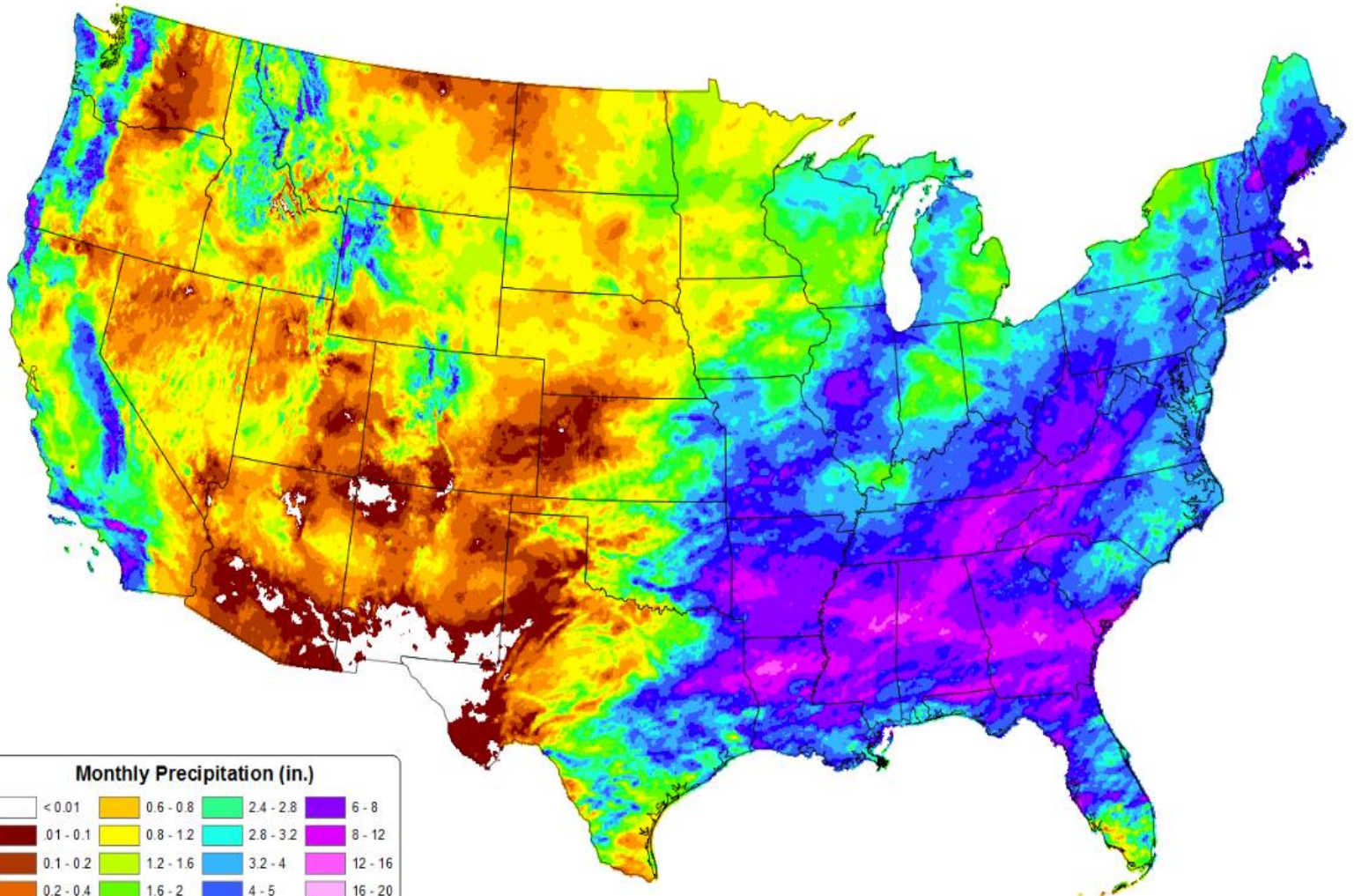


Total Precipitation for April 2020

Total Precipitation: Apr 2020

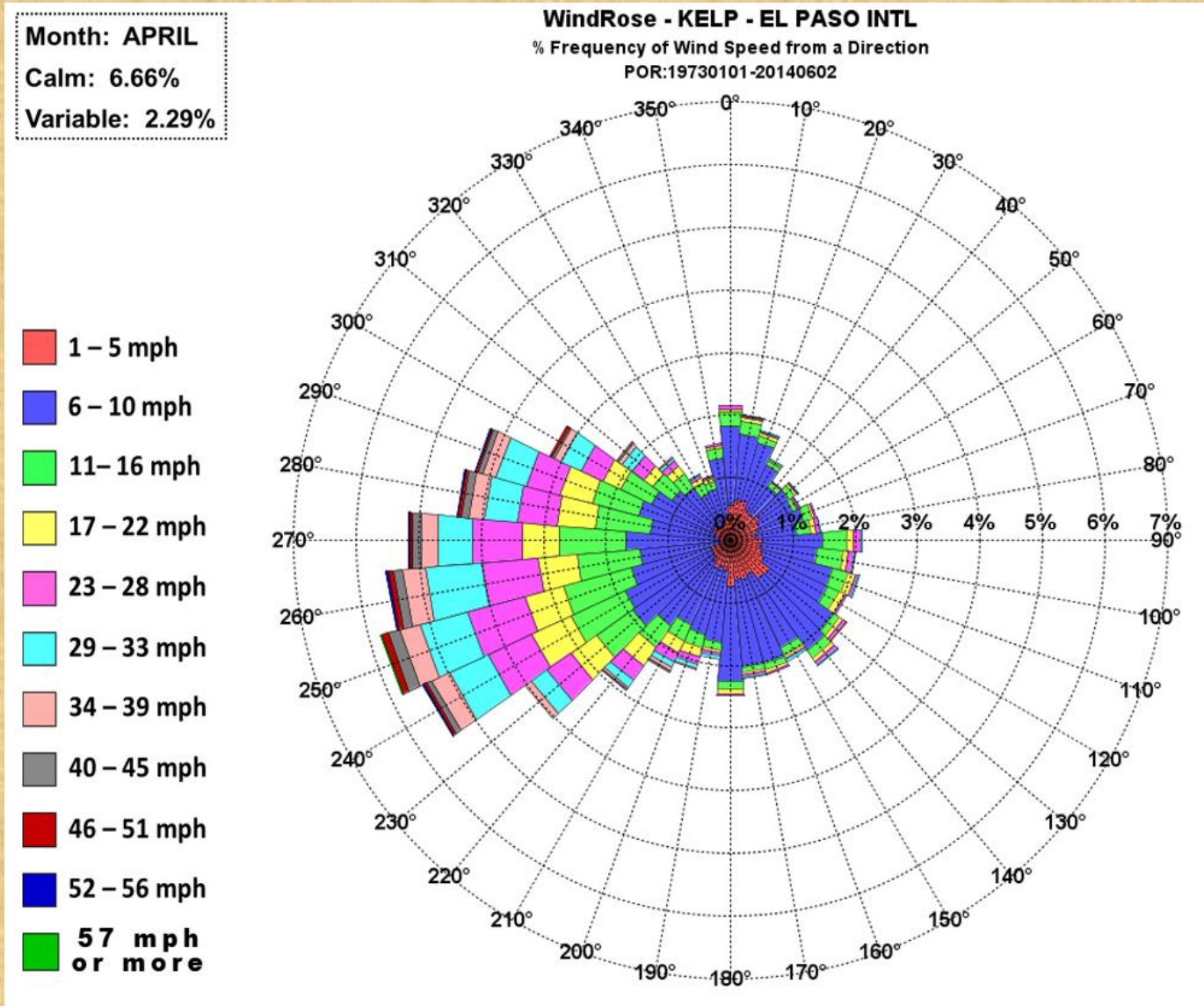
Period ending 30 Apr 2020

(Map created 02 May 2020)



Special Features

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



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 >](#)

Customize Your Weather.gov

City, ST

Enter Your City, ST or ZIP Code

Remember Me

[Privacy Policy](#)

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 >](#)

Customize Your Weather.gov

City, ST

Enter Your City, ST or ZIP Code

Remember Me

[Privacy Policy](#)

Monthly Weather Digest
[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 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.



weather.gov/epz

**NWS DOPPLER RADAR
WATCHING THE MONSOON SKIES
OVER EL PASO 24/7**

