

March 2019 Weather Digest



March 2019 Weather Summary

March turned out to be very active month in the middle, but rather quiet in the beginning and the end. The month began on a quiet note with above normal temperatures and little or no rain. A few Pacific storms begin moving in on the 7th and 8th for windy, dusty days. The main excitement began the next week, as a series of strong Pacific storms moved through. Windstorms hit the area on the 11th and 12th , causing minor damage around the area, such as uprooted trees. Then at the tail end of the storms on the 13th, a very strong low pressure center developed over southeast Colorado. This low set a few all time low pressure readings in this area. Very strong winds buffeted the area, with gust reports of 70 to 100 mph common. Widespread minor damage was reported, and more serious property damage was reported around Cloudcroft, where canyons funneled and strengthened winds

A weaker storm moved through on the 16th, but had colder air in place and produced light snowfall on lower mountains such as the Franklin and Organ Mountains, leading to some temporary road closures. Finally, the last 10 days or so became quiet again as the storm track moved well north of the Borderland. Temperatures once again warmed to above normal, and the area was able to avoid any more damaging wind storms. The month ended up warmer than normal around the region, due mostly to very mild overnight lows-as high temperatures most areas were only slightly warmer than normal.

March 2019 Weather Summary Contd.

Looking at precipitation, much of the area east of the Continental Divide was above normal, though it's important to remember March is one of the driest months of the year. Just a couple of rain events can push those totals above normal. Looking further north over the Upper Rio Grande drainage basin, February and especially March were very good months for building up the snowpack. By the end of March many of the reporting sites in this area were 130 to 150 percent above normal, both for snowfall and water equivalent. Should spell decent runoff and recharge of the down stream reservoirs, though 2 or 3 more winters of this caliber are needed to seriously recharge those reservoirs.

As we move into April, the heat returns. Hours of daylight increase from about one hour from 12 and ½ hours at the beginning to 13 and ½ hours at the end. Average high temperatures warm about 7 to 8 degrees by the end of the month. Most lowland sites will hit their first 90 degrees reading of the year in late April. El Paso airport's average first 90+ degree day is April 29th. April, on average, is the driest month of the year for most places. We will have to wait and see if the El Niño weather pattern can alter that.

**Organ Mountain Fire
Mar 3**



**Organ Mountain Fire
Mar 3**



**Organ Mountain Fire
Mar 3**



**Organ Mountain Fire
Mar 3**



**Wind Damage El Paso
Mar 8**



**Wind Damage El Paso
Mar 12**



**Wind Damage El Paso
Mar 13**



**Wind Damage El Paso
Mar 13**



Wind Damage Las Cruces Mar 13



Wind Damage Las Cruces Mar 13



San Augustin Pass

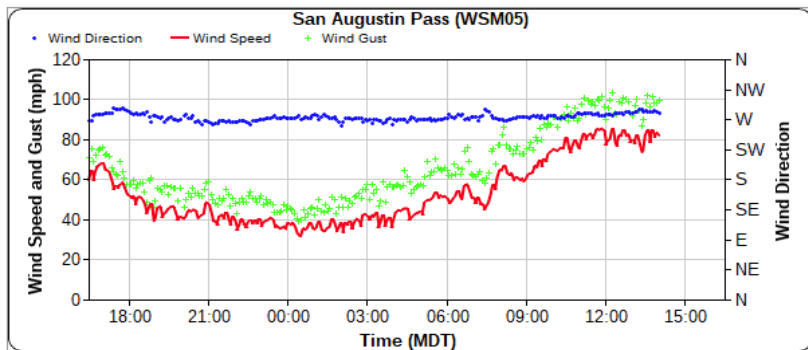
Observation Time: 03/13/19 @ 14:00 MDT 20:00 UTC Eleva

San Augustin Pass 104 mph wind gust Mar 13

Weather Conditions		24 Hour Max/Min Events	
Temperature:	45 °F	Max Temperature:	45 °F
Dew Point:	25 °F	Min Temperature:	33 °F
Humidity:	45 %	Max RH:	99.2 %
Wind:	W at 82 MPH	Min RH:	42.8 %
Peak Gust:	100 MPH	Max Dew Point:	37 °F
		Min Dew Point:	23 °F
		Max Gust:	104 MPH

View :

[Help](#)



Blowing dust Santa Teresa Mar 13



**Snow El Paso
Mar 16**



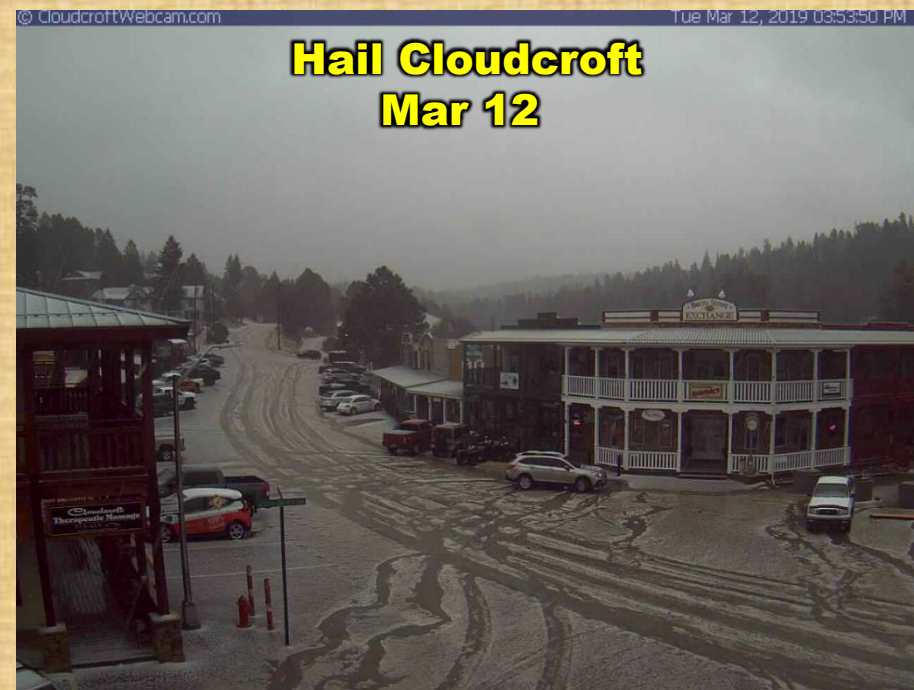
**Snow El Paso
Mar 16**



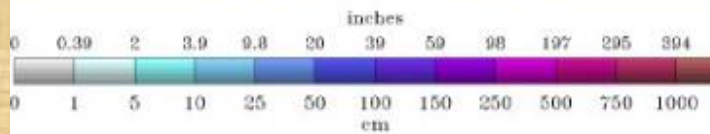
**Snow El Paso
Mar 16**



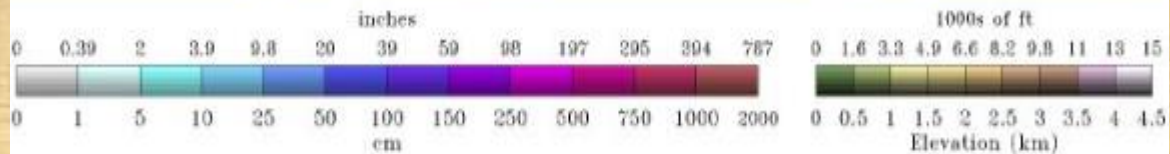
**Hail Cloudcroft
Mar 12**



Snow Cover Feb 28

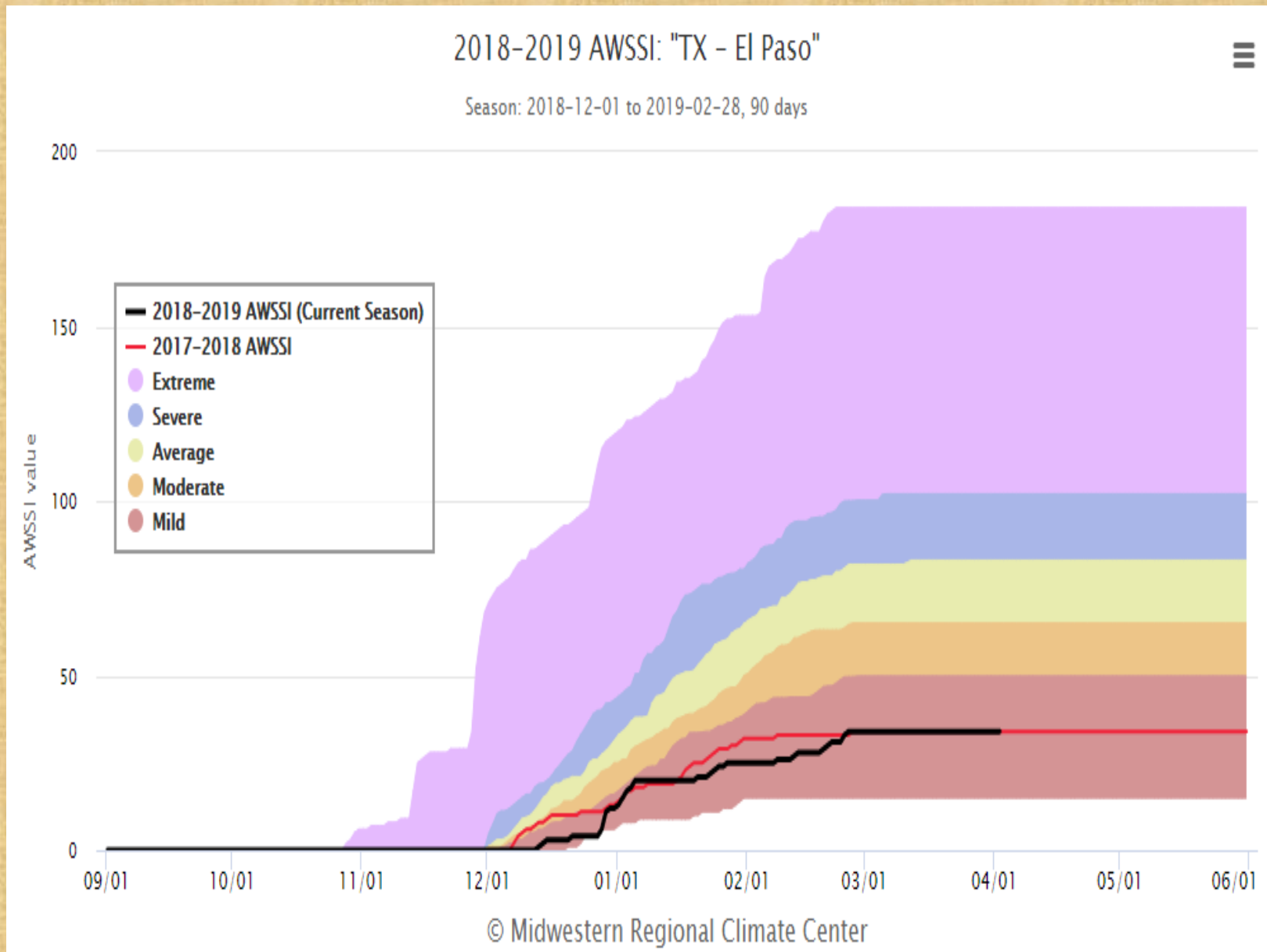


Snow Cover Mar 31

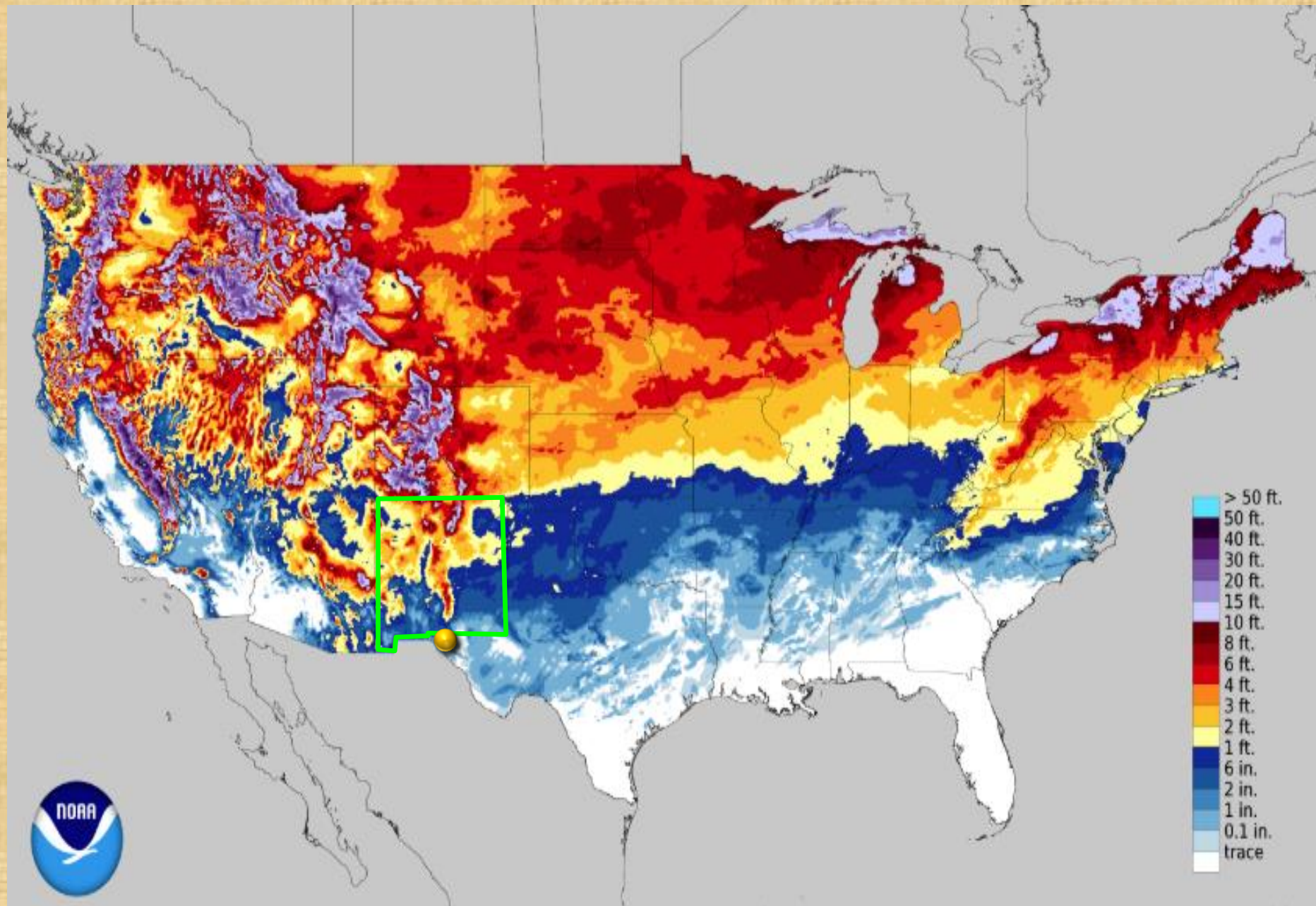


El Paso Winter Severity Index Through Mar 31

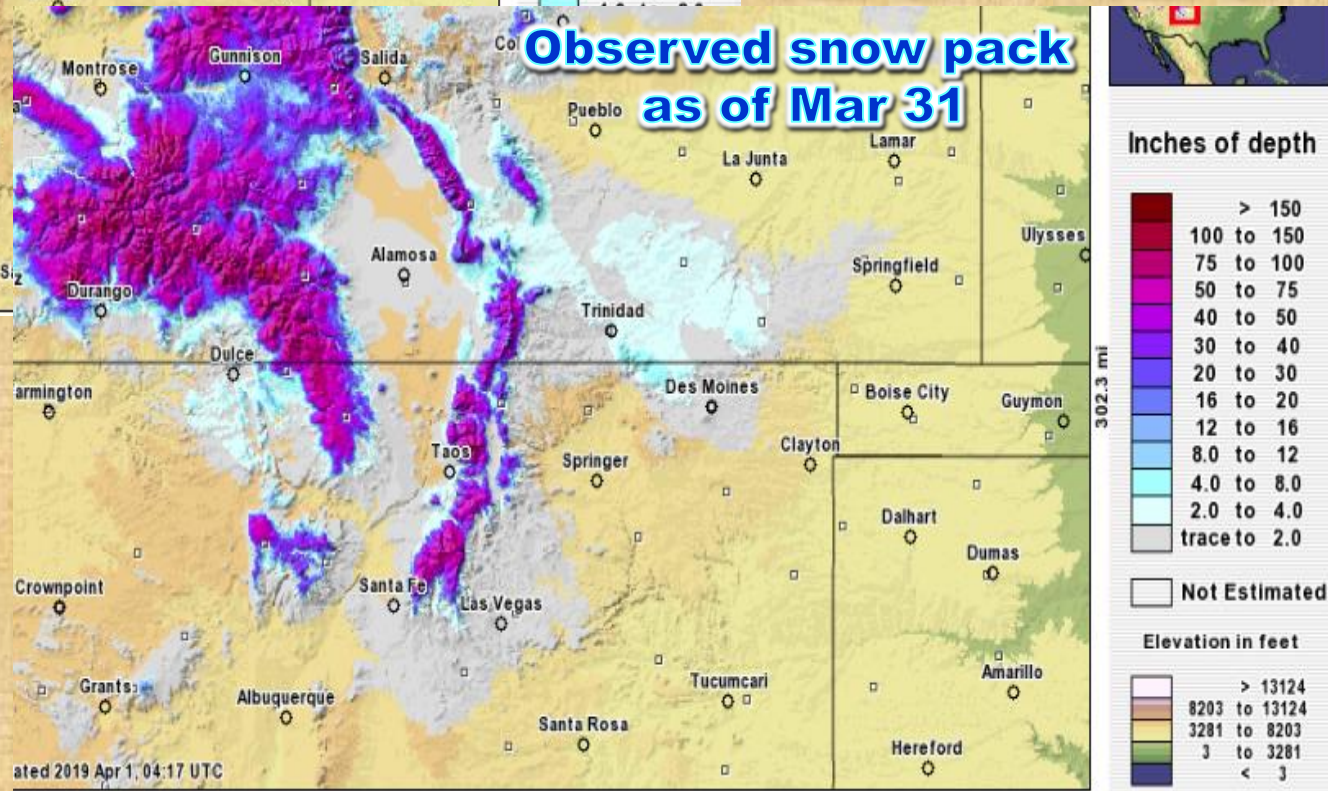
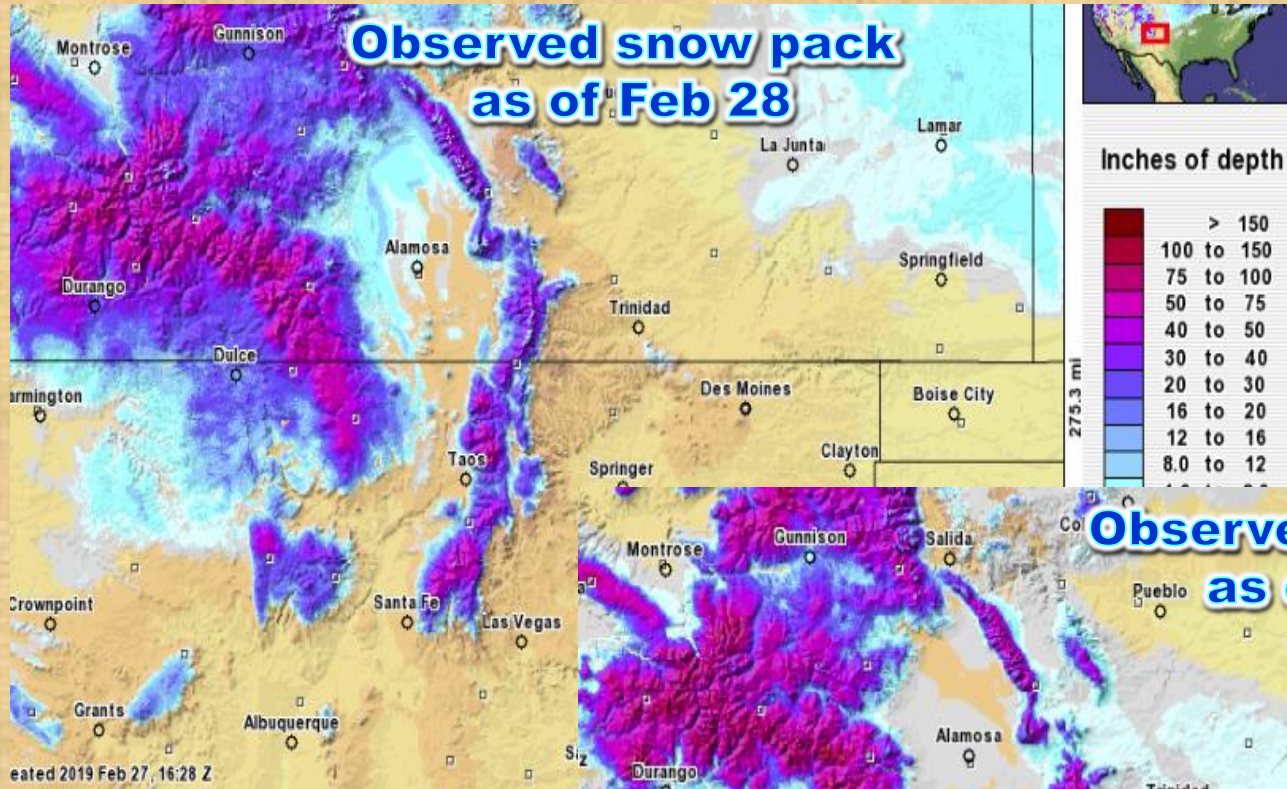
A very mild winter indeed.



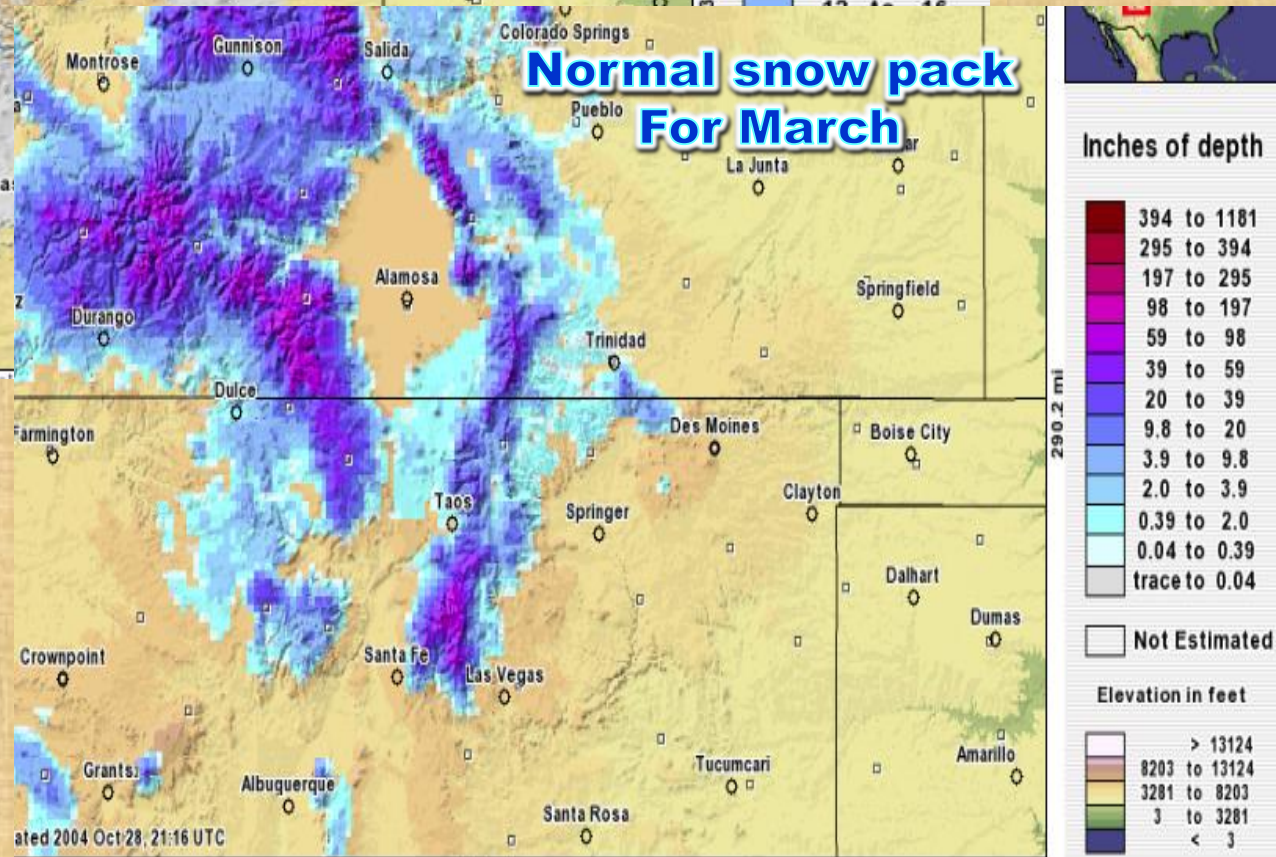
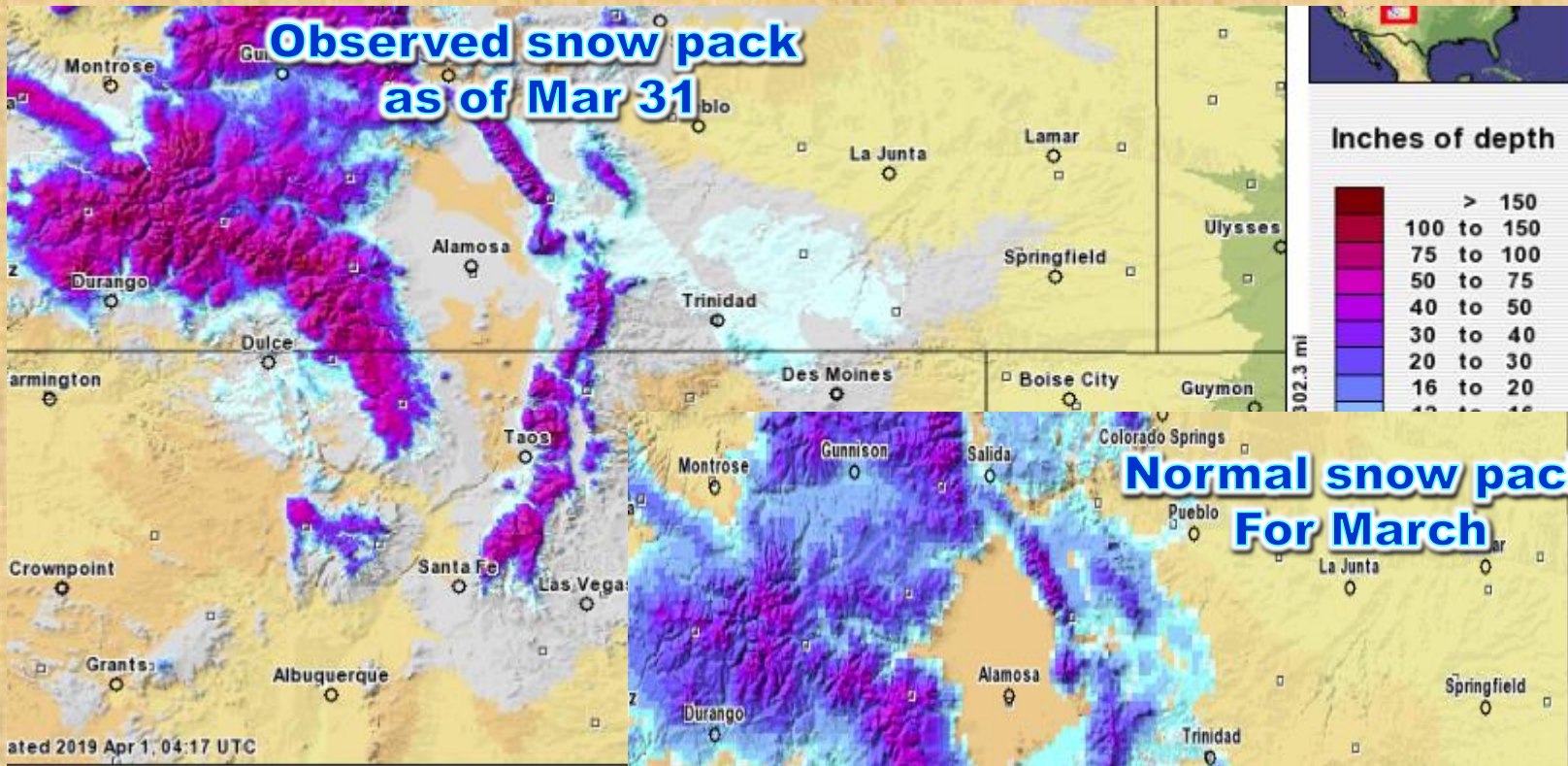
Total snowfall for this season through Mar 31, 2019



Following 3 charts show snow pack is around 140% of normal



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



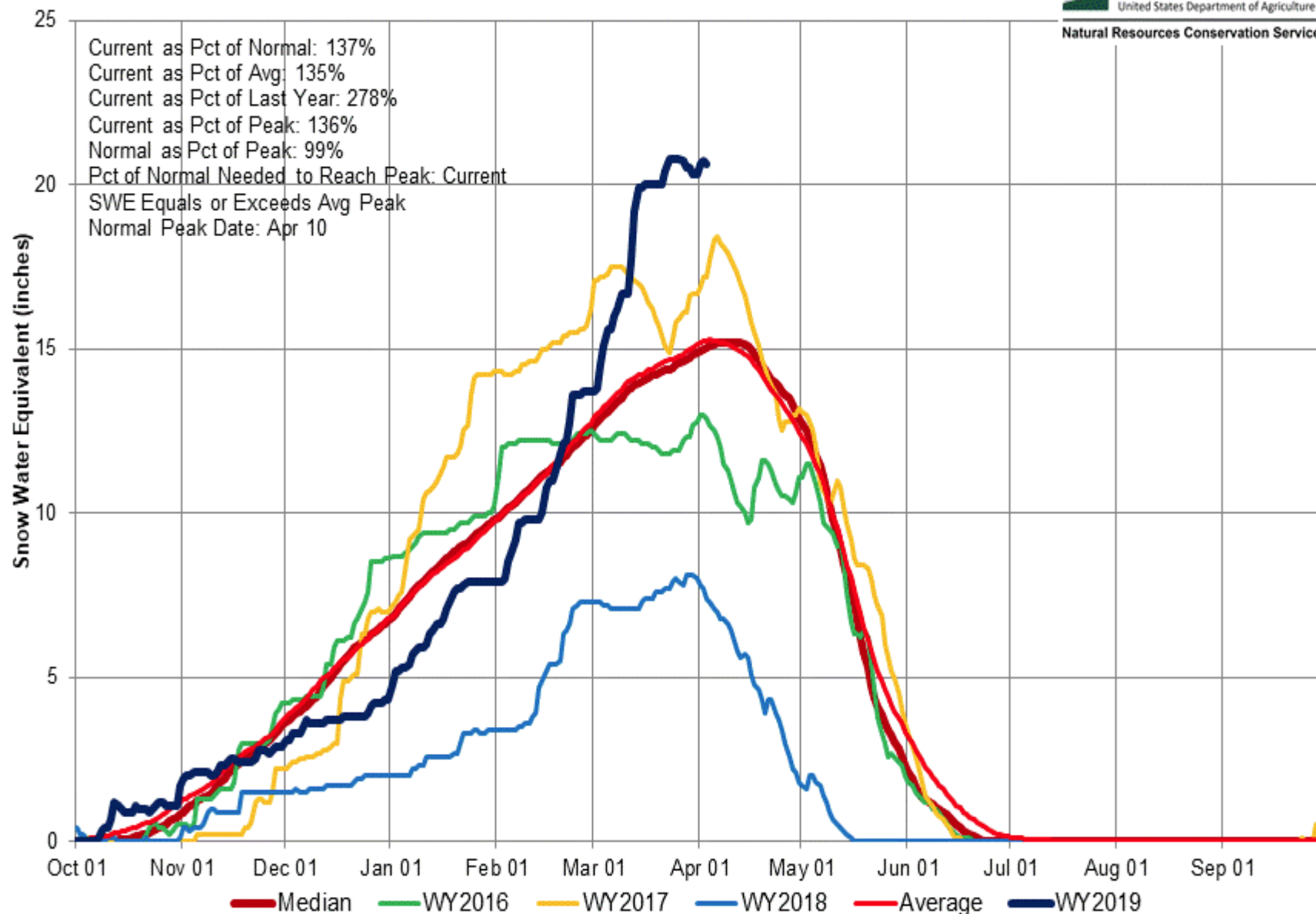
Upper Rio Grande River Basin Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Apr 03, 2019



United States Department of Agriculture

Natural Resources Conservation Service



El Niño Advisory in Effect

ENSO Alert System

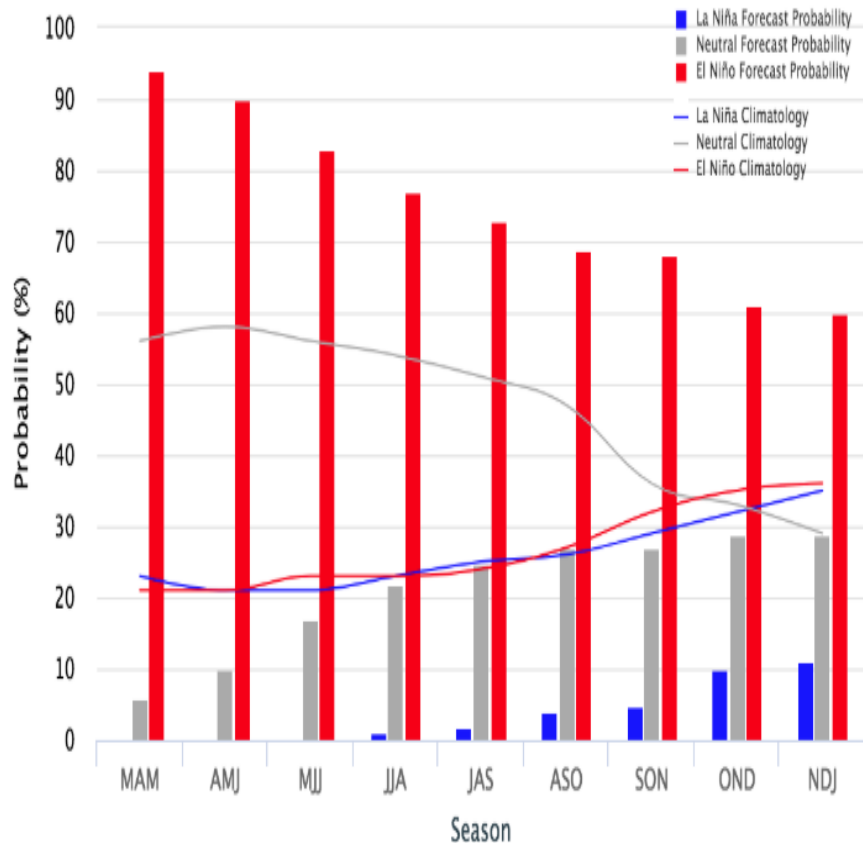
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

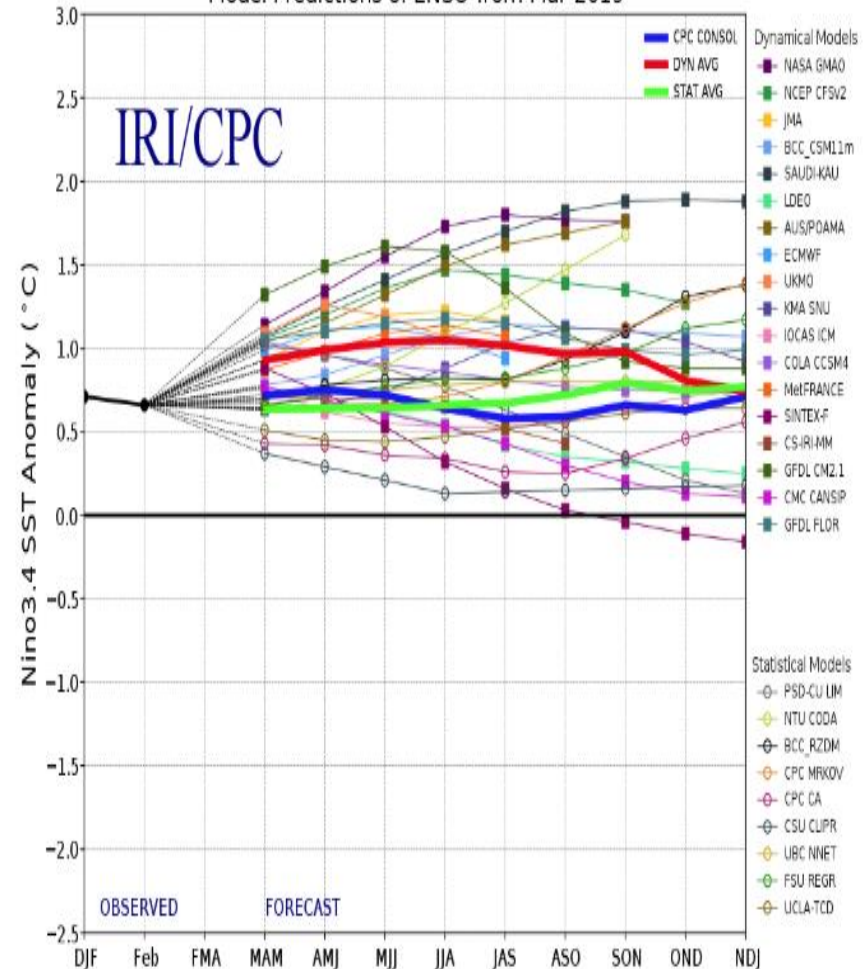
ENSO is now in a weak El Niño phase and could remain that way through most of the summer

Mid-March 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



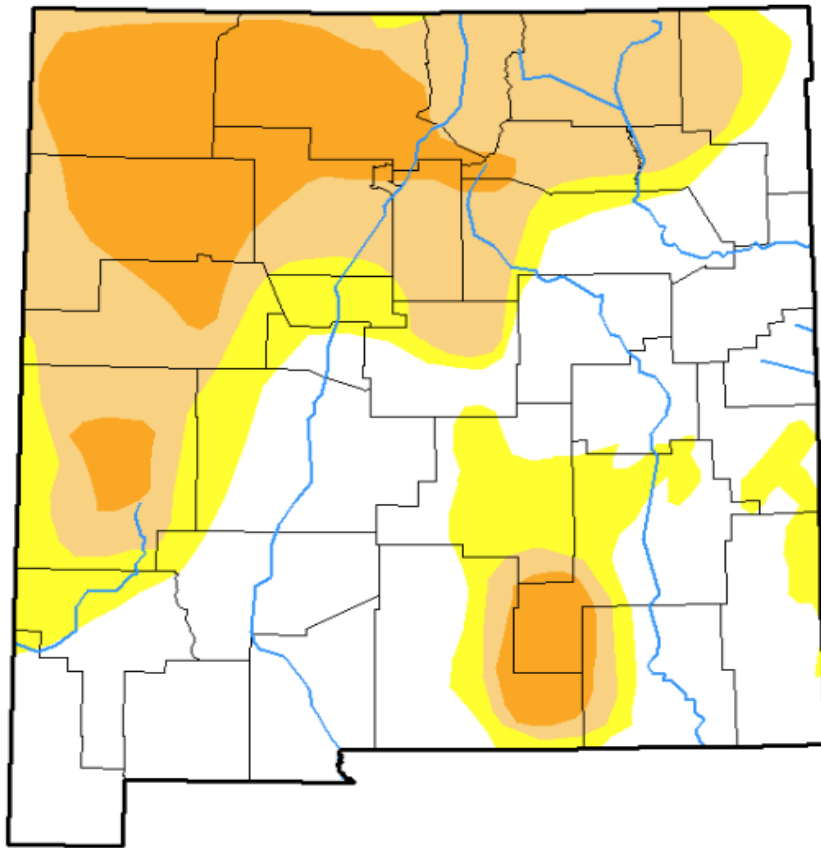
Model Predictions of ENSO from Mar 2019



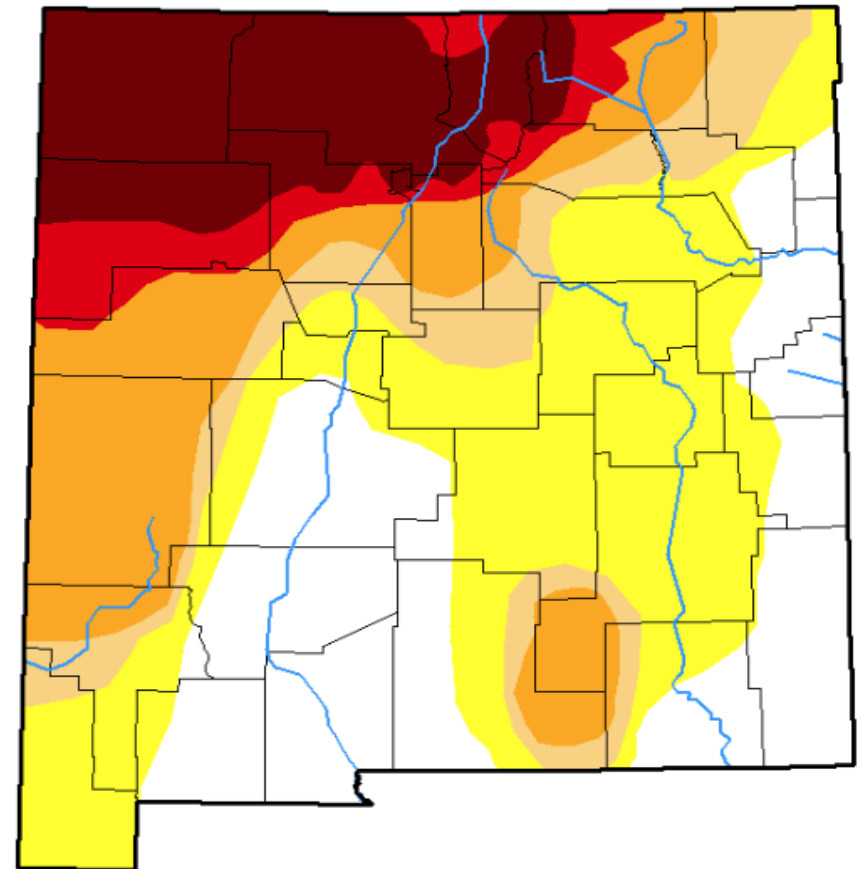
Current drought conditions for New Mexico and 3 month change

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

March 26, 2019








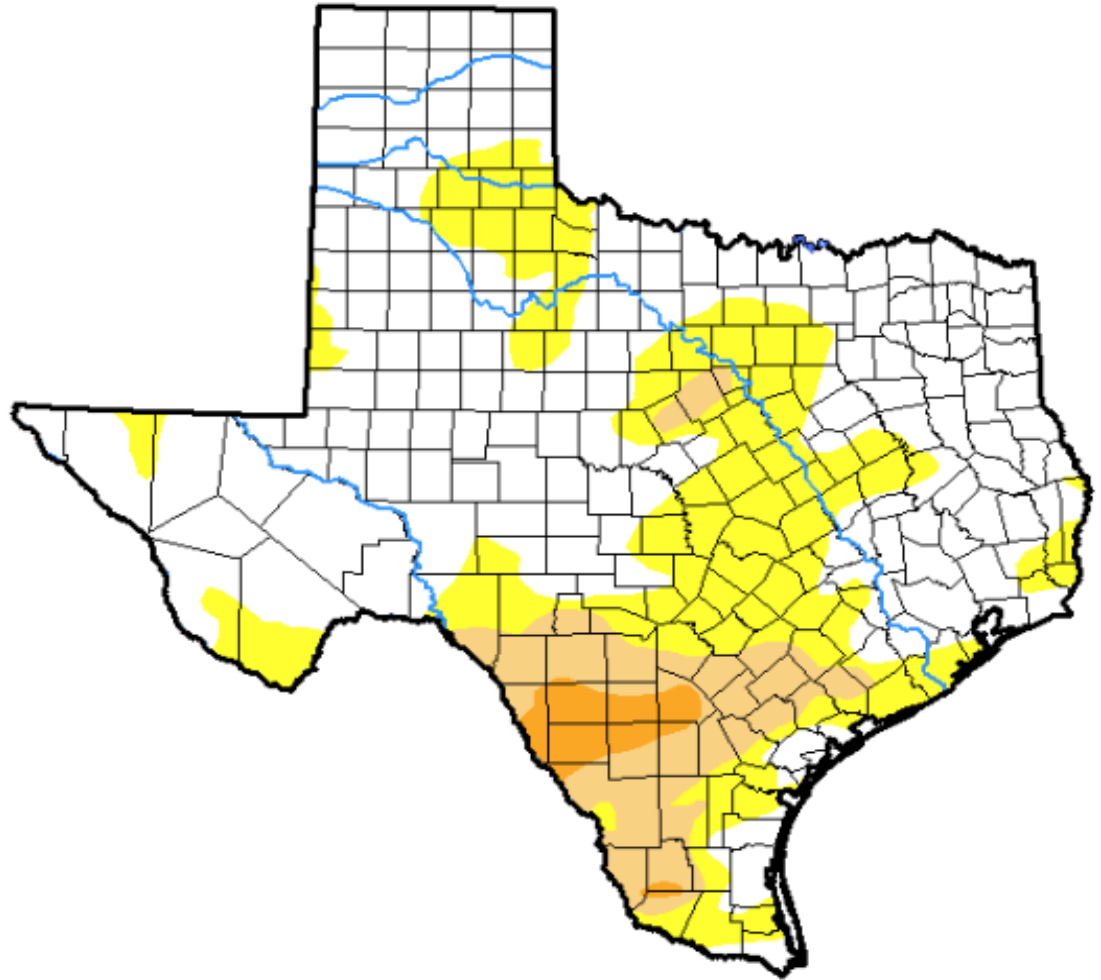
December 25, 2018



Current drought conditions for Texas as of March 26, 2019

Intensity:

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



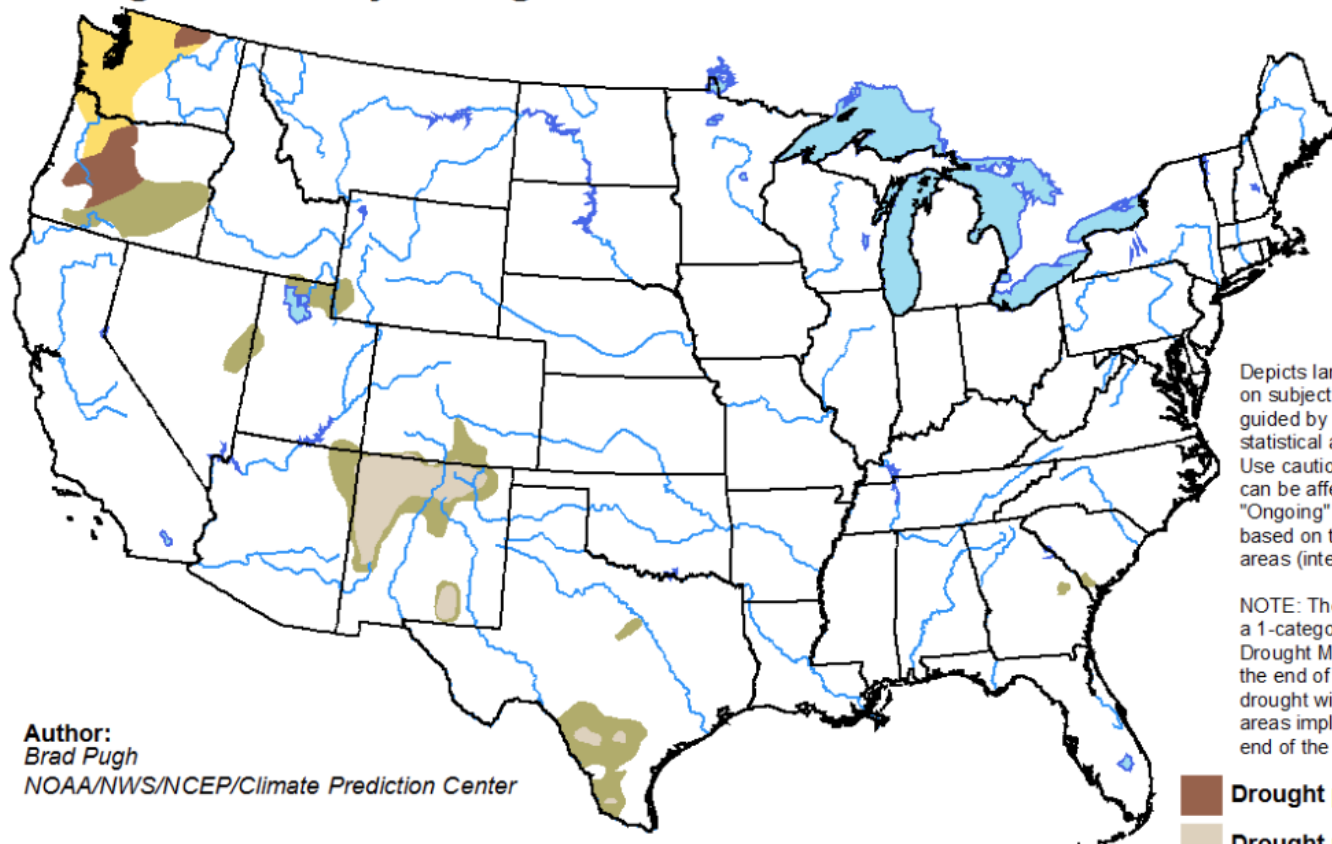
Build your own custom slider maps here at:

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

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period





Valid for March 21 - June 30, 2019
Released March 21

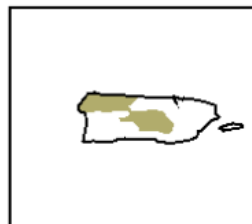
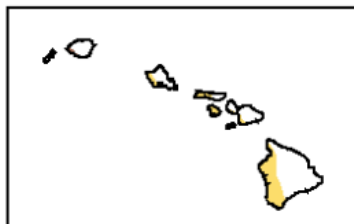
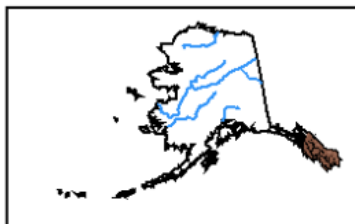


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

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

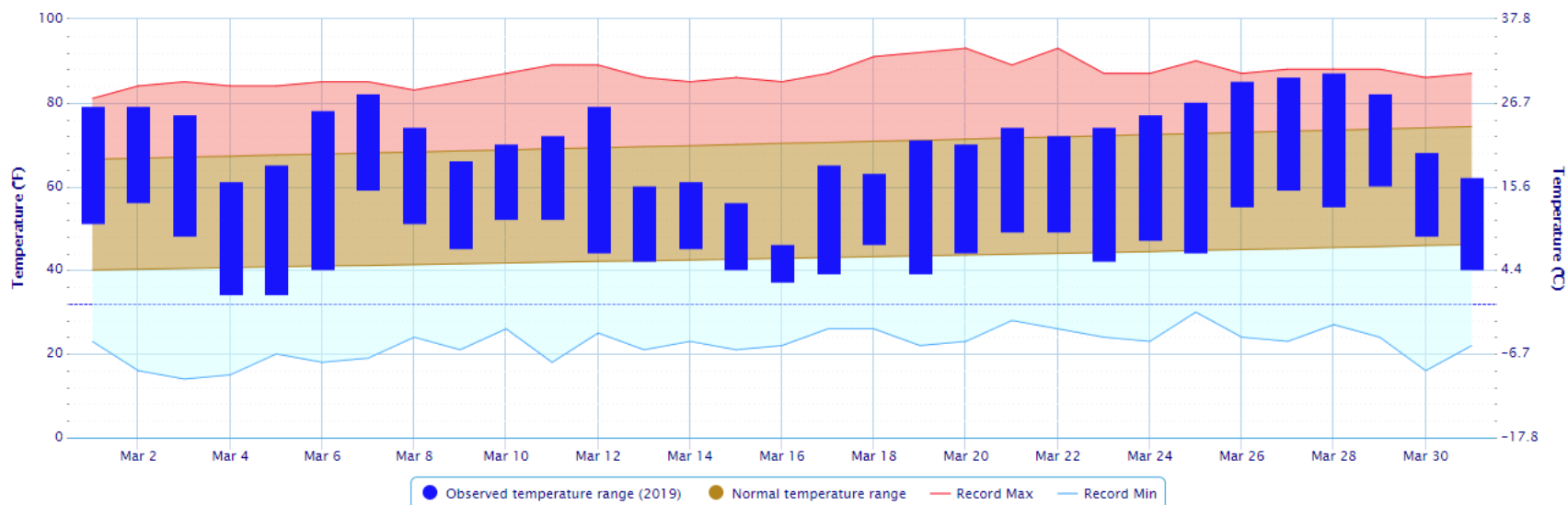


<http://go.usa.gov/3eZ73>

Temperature and precipitation data for March 2019 in El Paso

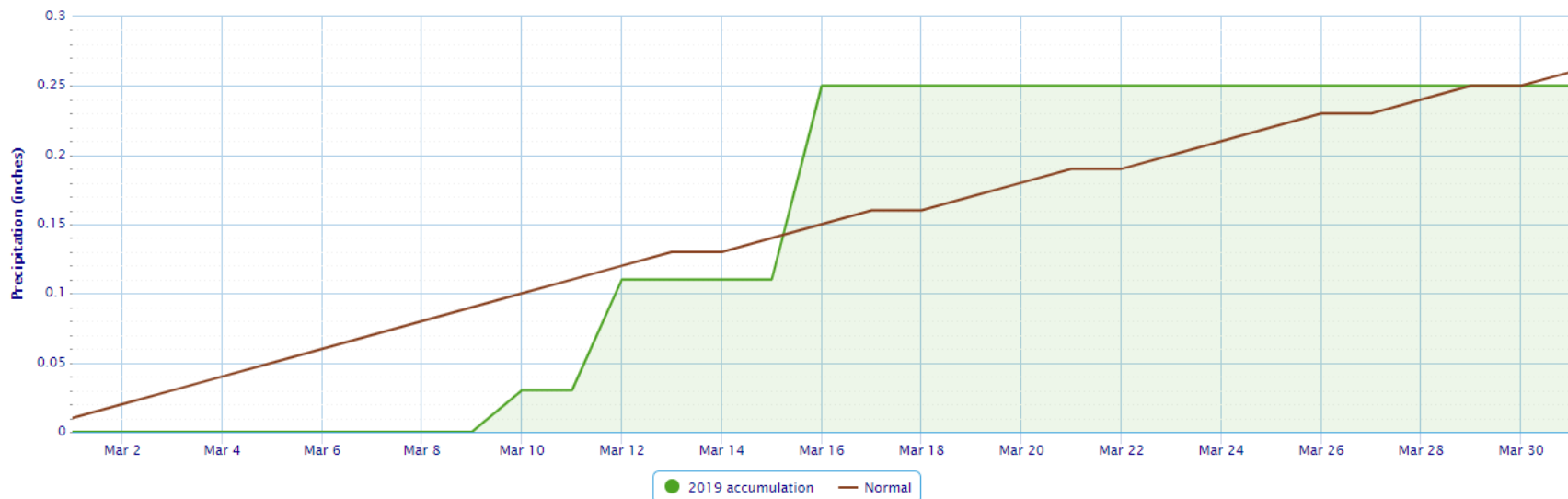
Daily Temperature Data – El Paso Area, TX (ThreadEx)

Period of Record – Max temperature: 1887-01-01 to 2019-04-01; Min temperature: 1879-01-01 to 2019-04-01. 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



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



El Paso TX - 2019

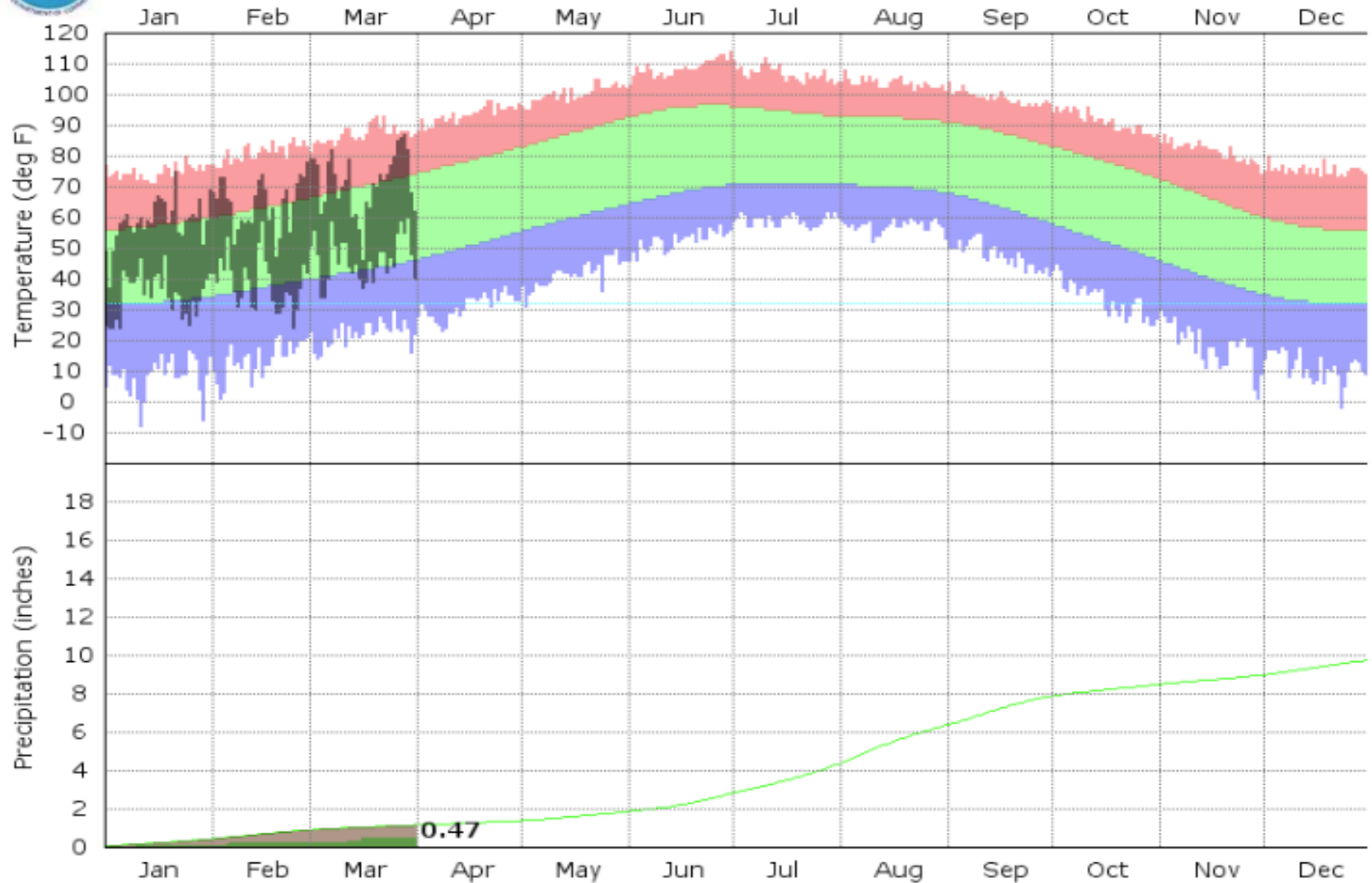
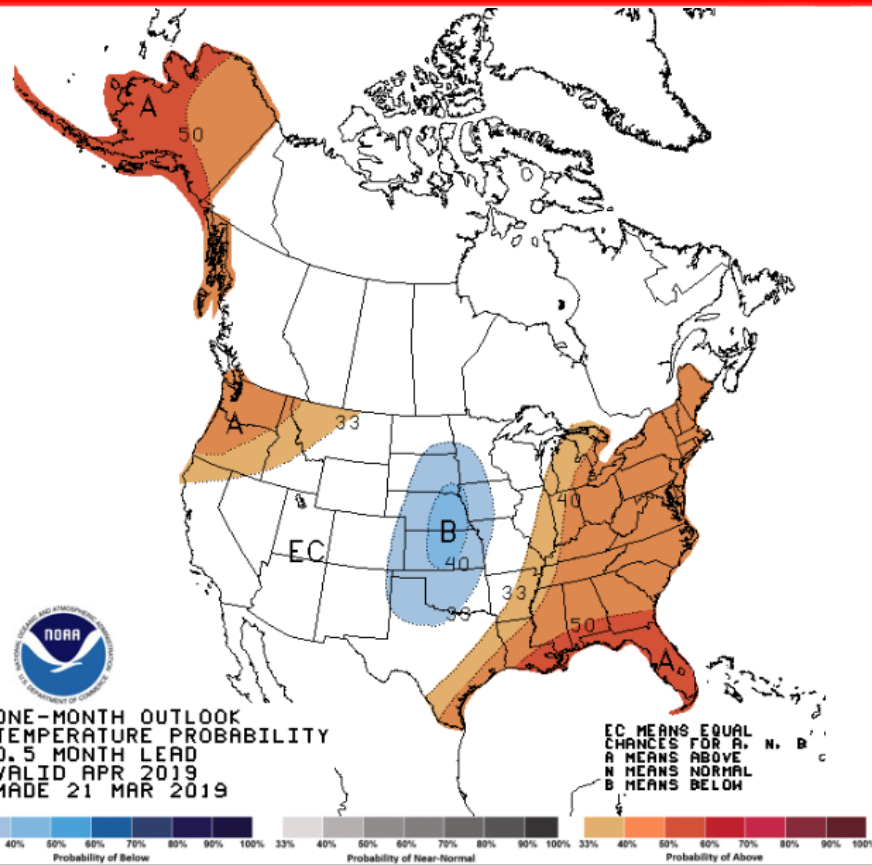


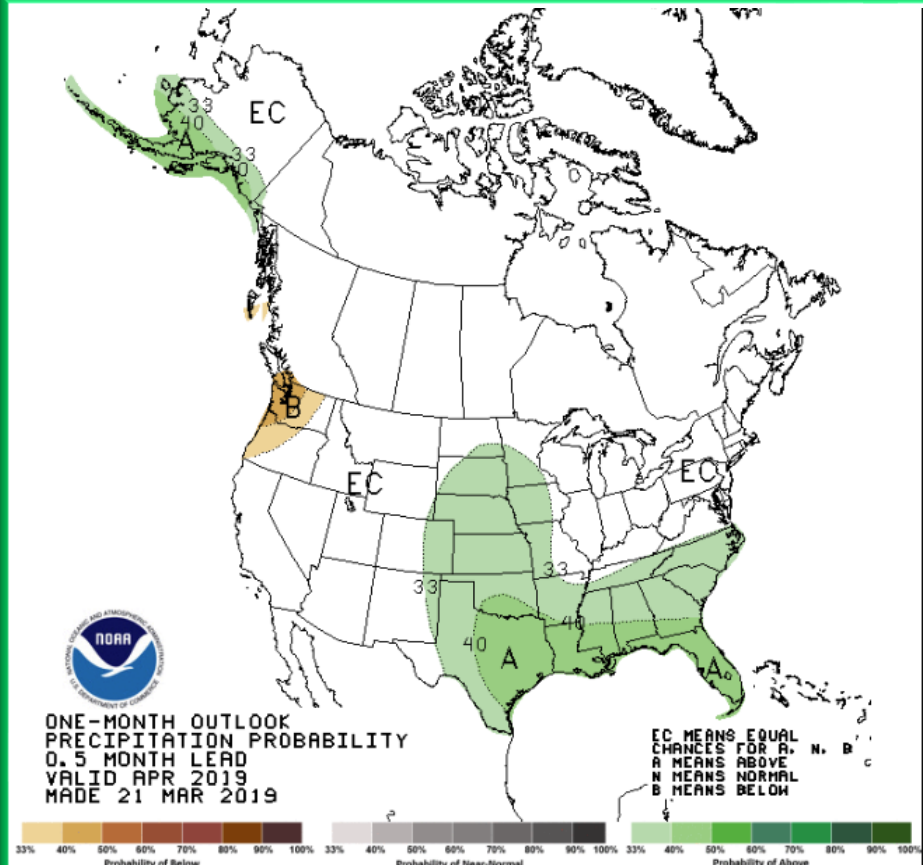
Image created: Mon, 1 Apr 2019 15:08 GT

Temperature and precipitation outlook for April 2019

Temperature

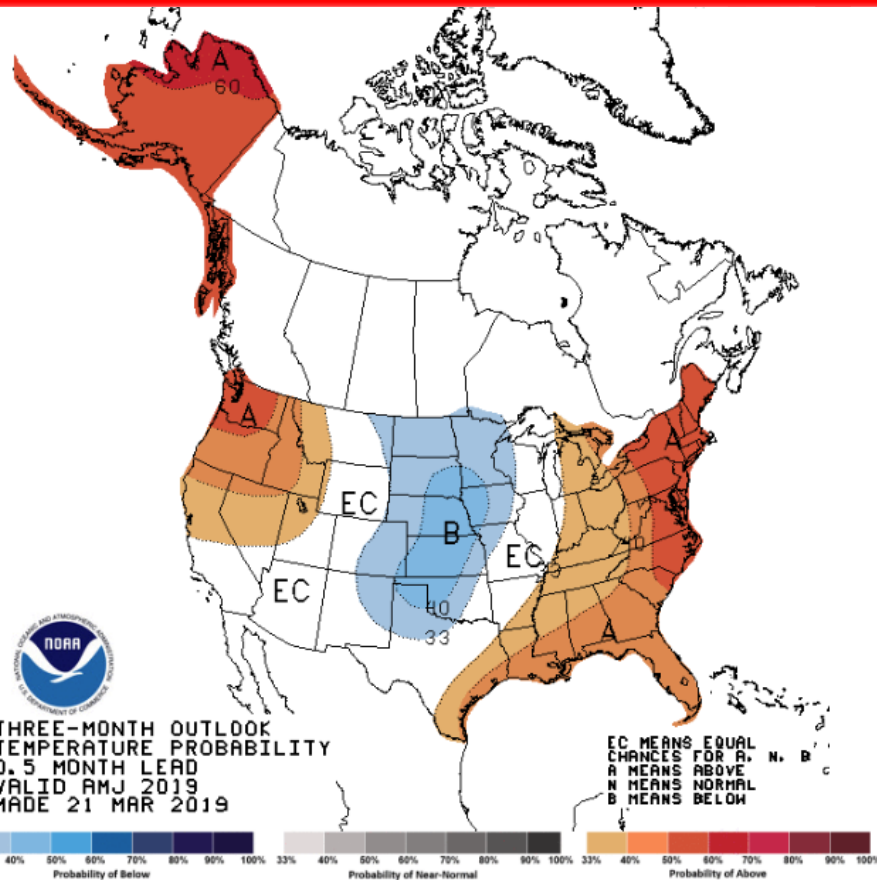


Precipitation

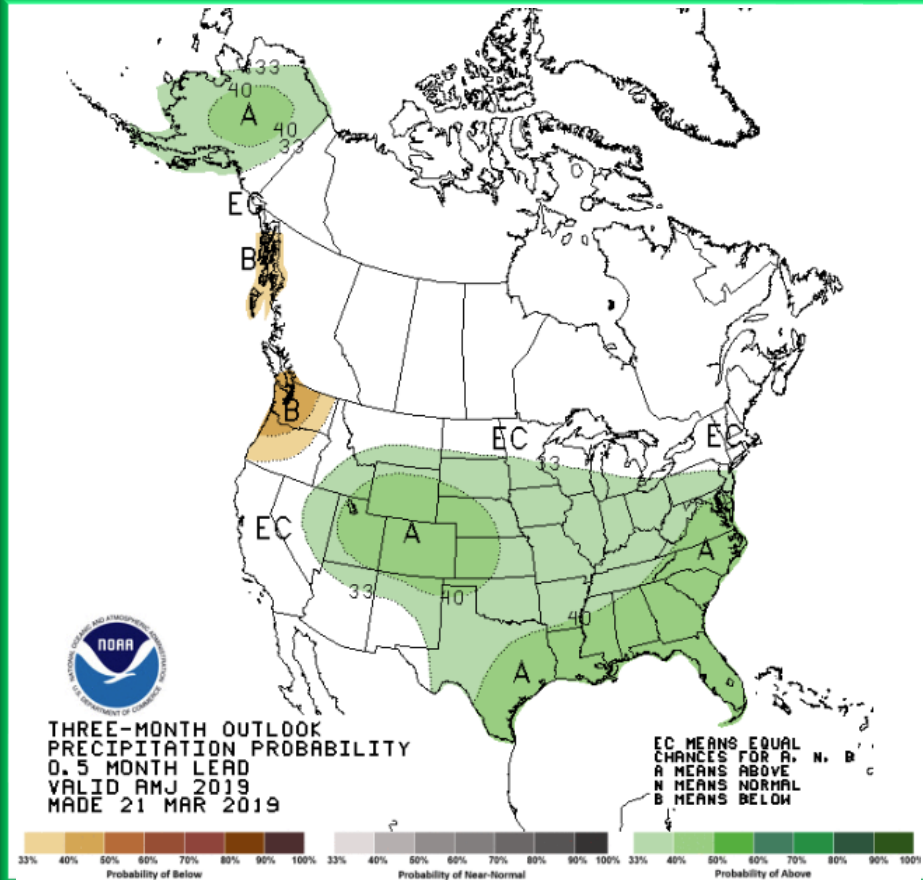


Temperature and precipitation outlook For April-June 2019

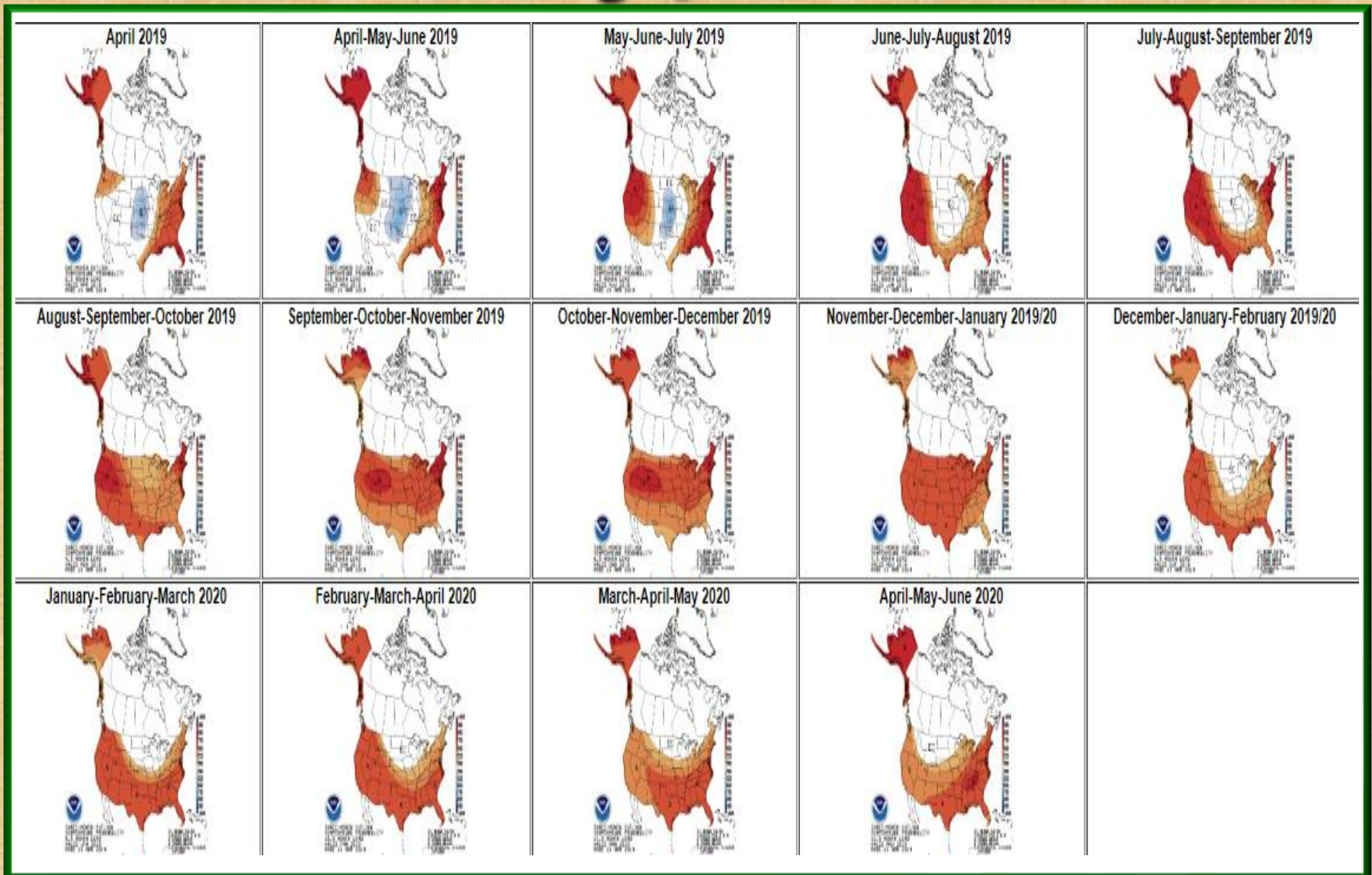
Temperature



Precipitation

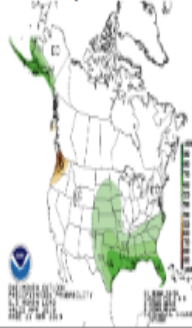


Temperature Outlook Through June 2020

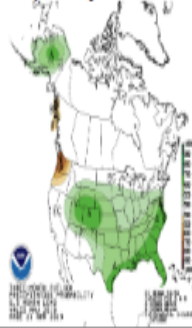


Precipitation Outlook Through June 2020

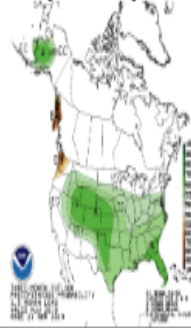
April 2019



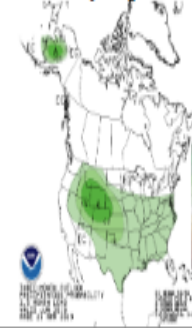
April-May-June 2019



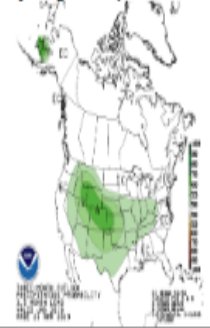
May-June-July 2019



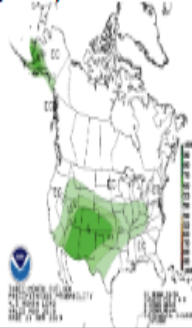
June-July-August 2019



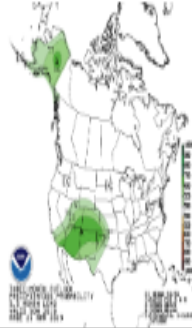
July-August-September 2019



August-September-October 2019



September-October-November 2019



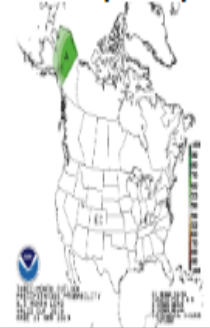
October-November-December 2019



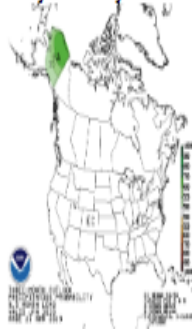
November-December-January 2019/20



December-January-February 2019/20



January-February-March 2020



February-March-April 2020



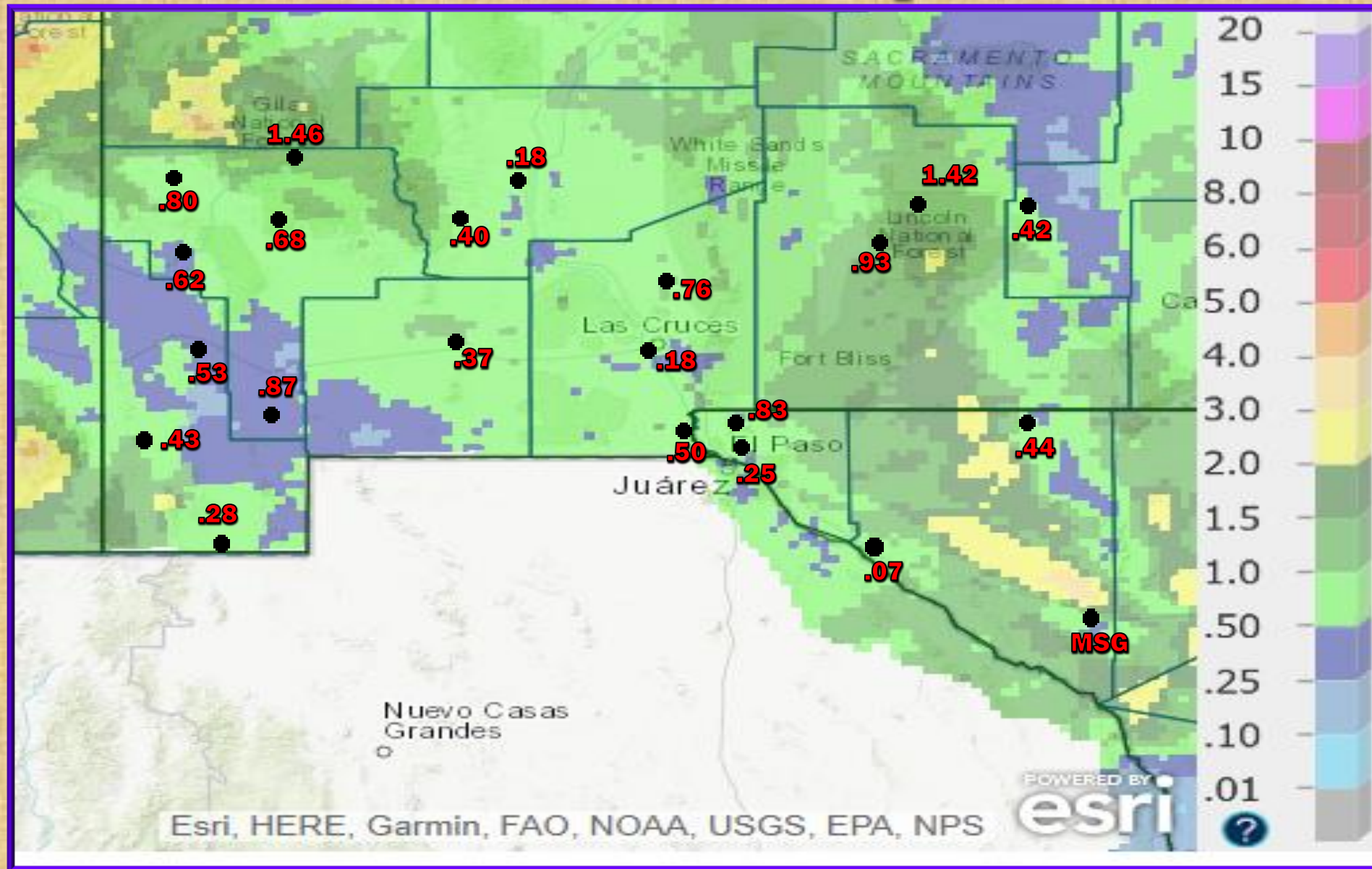
March-April-May 2020



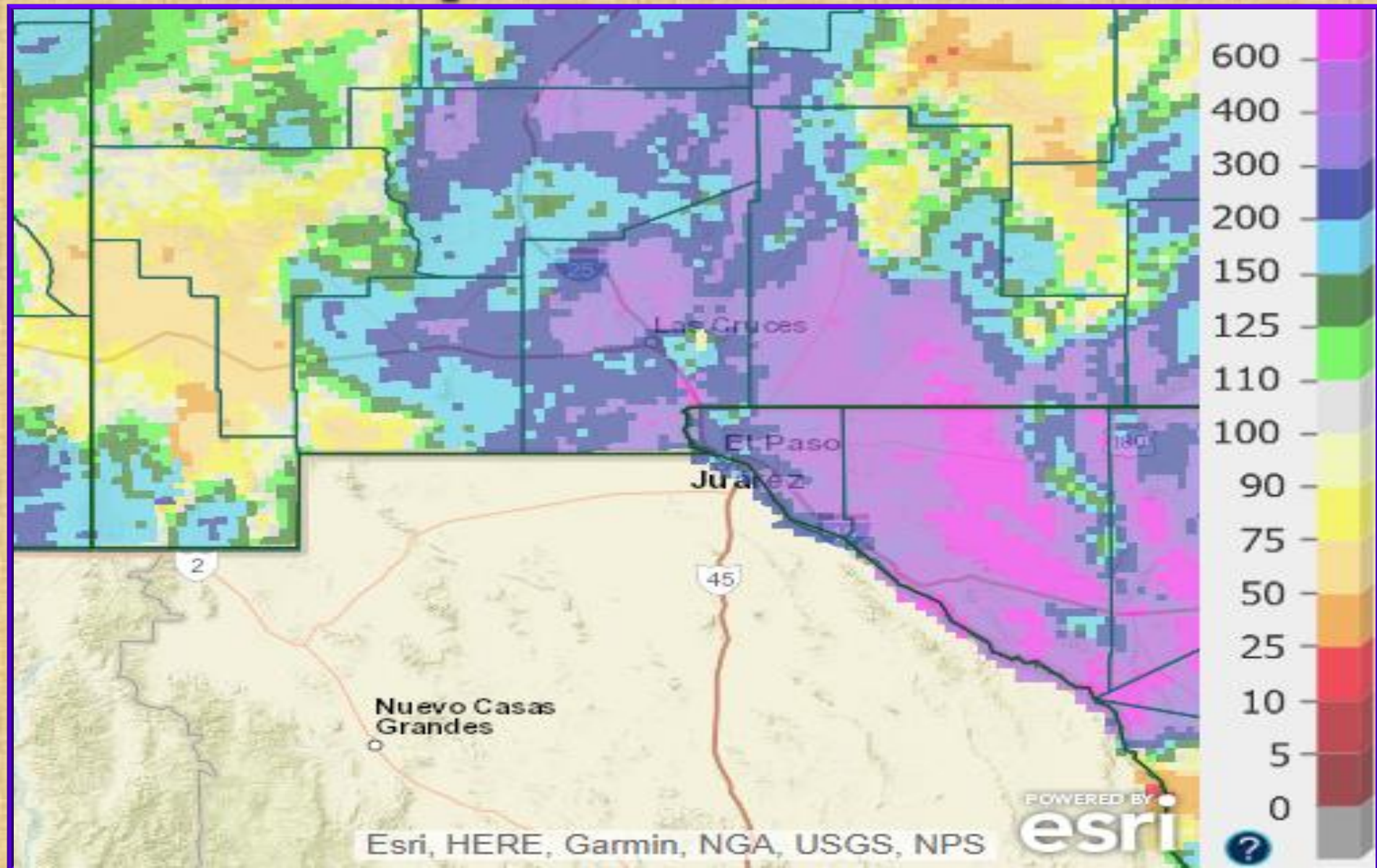
April-May-June 2020



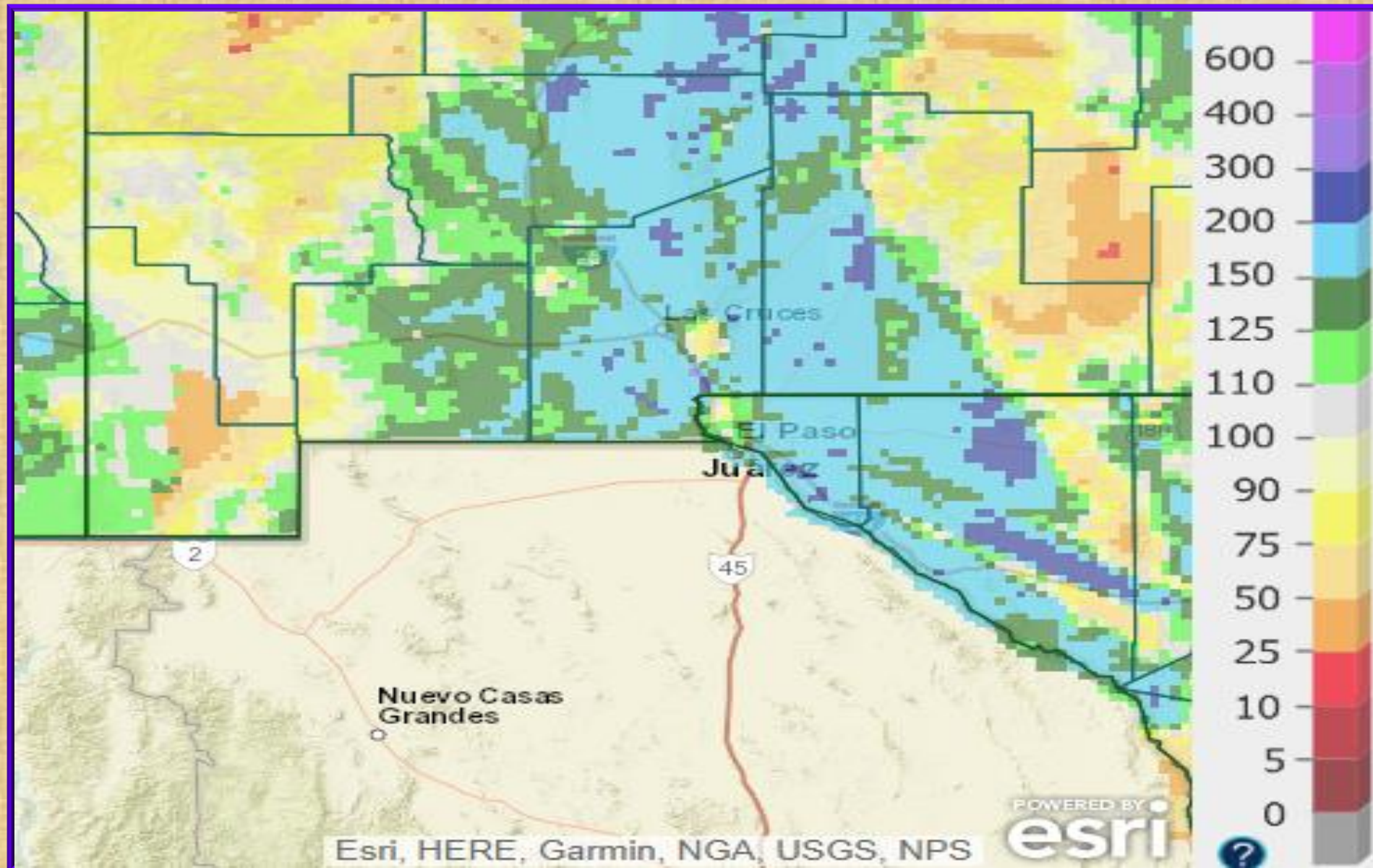
March 2019 radar rainfall estimate with surface rainfall reports



March 2019 radar rainfall estimate percent of normal



Radar rainfall estimate percent of normal for the Water Year (Oct 1 to Mar 31)

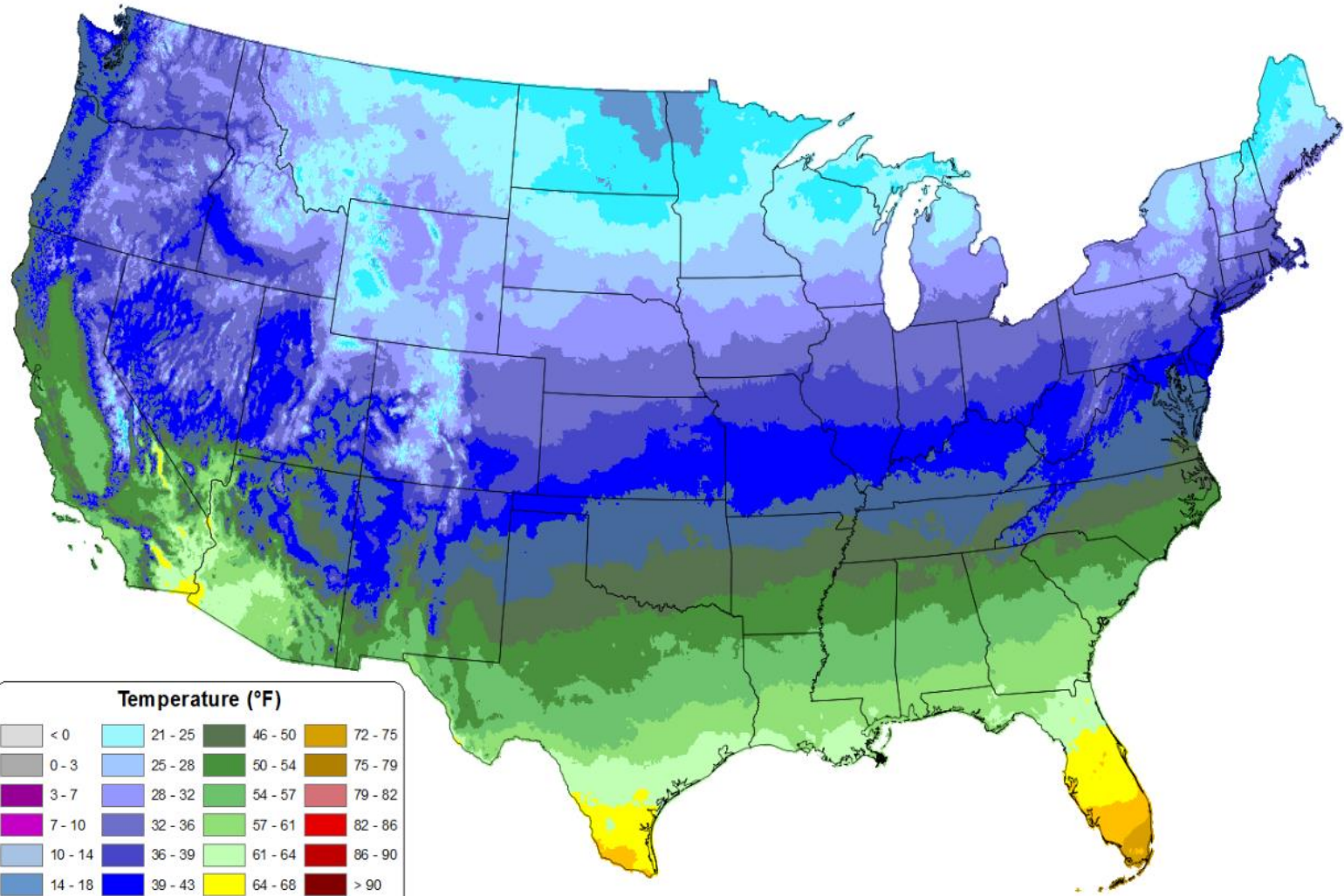


Average Daily Mean Temperature for March 2019

Average Daily Mean Temperature: Mar 2019

Period ending 7 AM EST 31 Mar 2019

(Map created 02 Apr 2019)

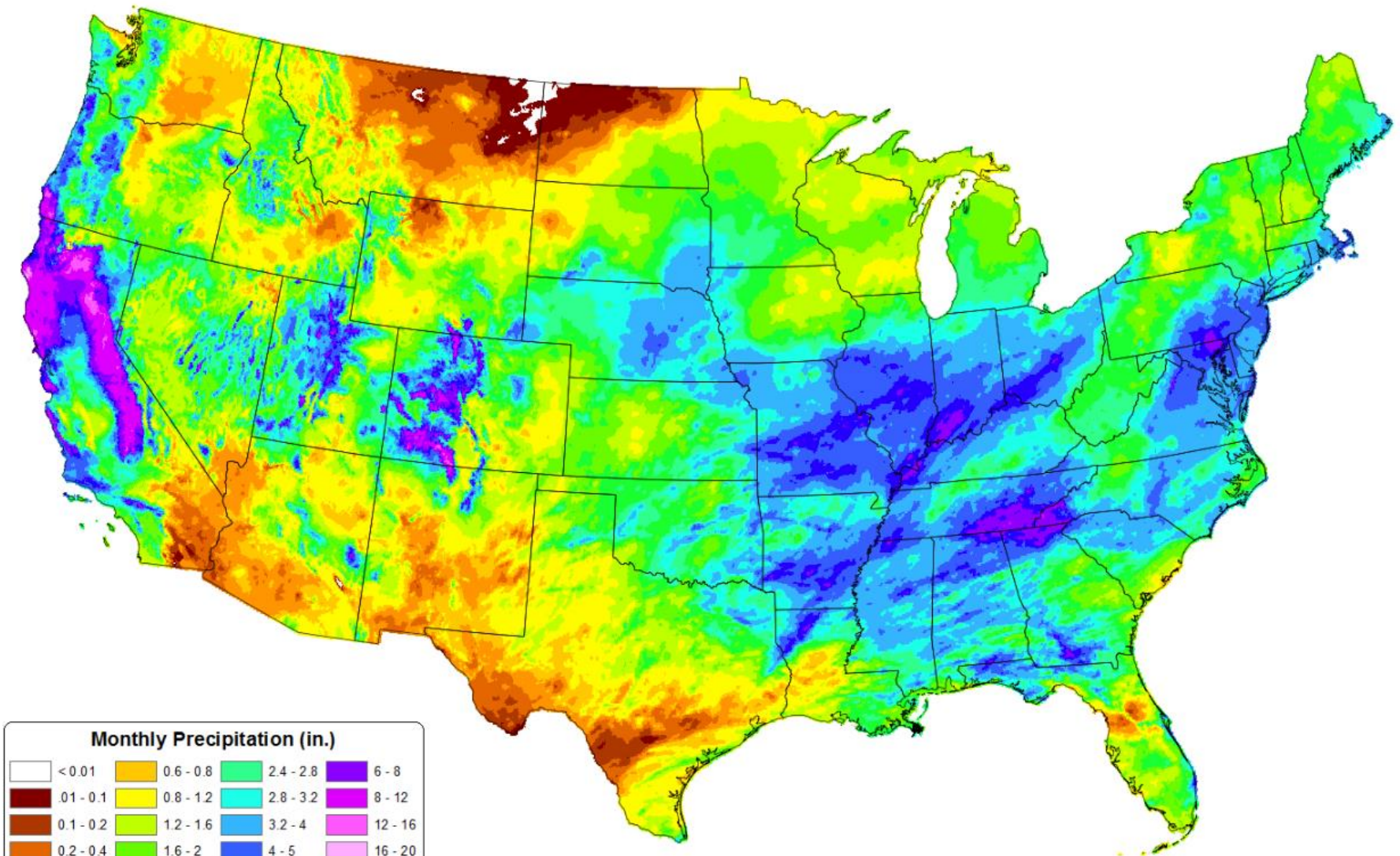


Total Precipitation for March 2019

Total Precipitation: Mar 2019

Period ending 31 Mar 2019

(Map created 02 Apr 2019)



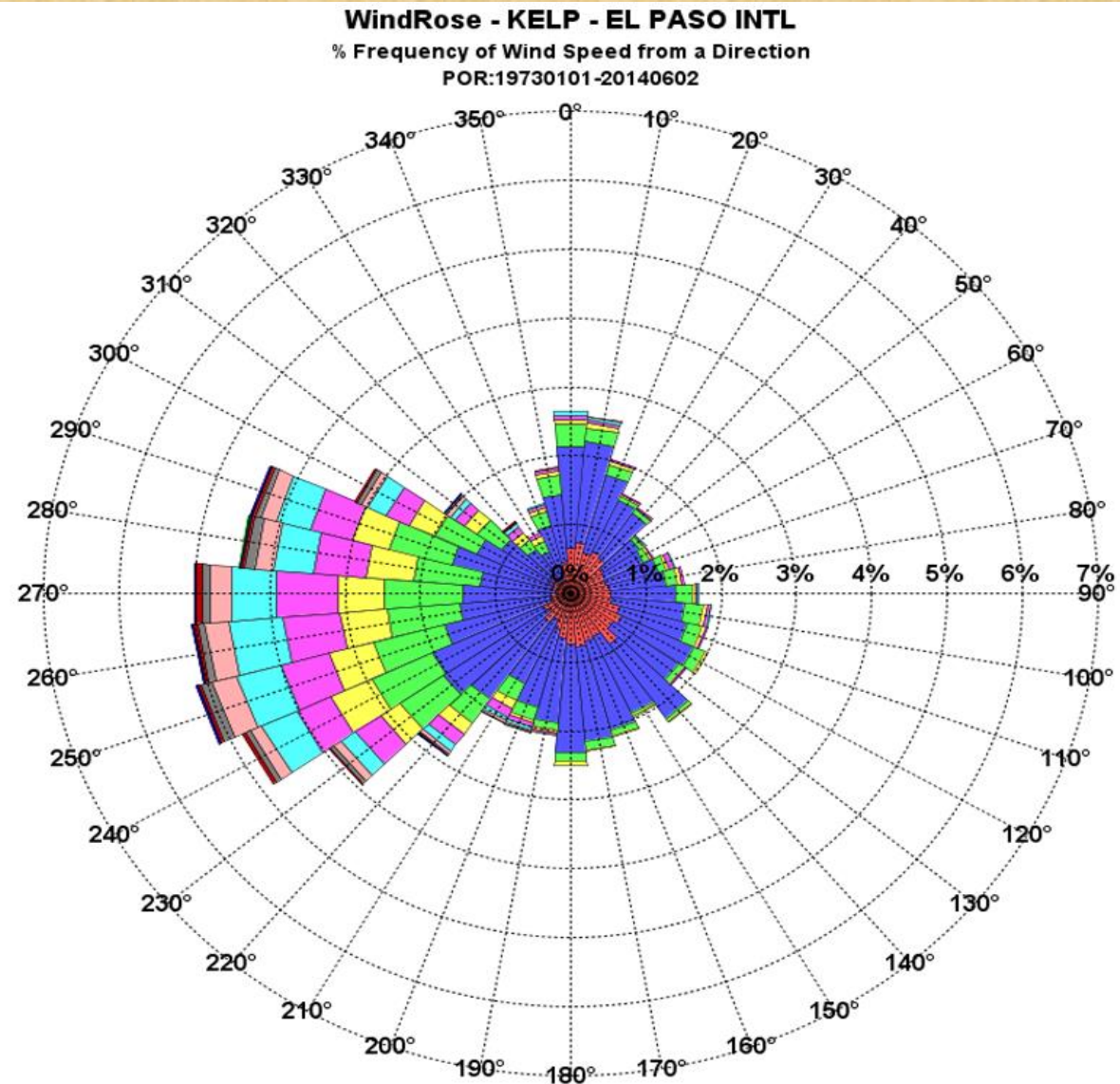
Special Features

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

Month: MARCH

Calm: 8.61%

Variable: 2.25%



Selected weather reports March 2019


Date/Time	Location (County)	Event
MAR 8 200 PM	SAN AUGUSTIN PASS-DONA ANA	PEAK WIND 88 MPH
MAR 8 202 PM	EL PASO 6NE-EL PASO	PEAK WIND 70 MPH
MAR 8 440 PM	HATCHITA 15SW-HIDALGO	PEAK WIND 67 MPH
MAR 8 815 PM	SUNSPOT 1S-OTERO	PEAK WIND 65 MPH
MAR 8 355 PM	TULAROSA 22SW-SIERRA	PEAK WIND 63 MPH
MAR 8 226 PM	DRIPPING SPRINGS-DONA ANA	PEAK WIND 61 MPH
MAR 8 954 PM	HIGH ROLLS-OTERO	PEAK WIND 59 MPH
MAR 8 423 PM	DEMING MUNI AIRPORT-LUNA	PEAK WIND 56 MPH
MAR 8 510 PM	RODEO-HIDALGO	PEAK WIND 55 MPH
MAR 8 221 PM	DELL CITY-HUDSPETH	PEAK WIND 55 MPH
MAR 8 213 PM	EL PASO INTL AIRPORT-EL PASO	PEAK WIND 55 MPH
MAR 8 943 PM	CLOUDCROFT-OTERO	PEAK WIND 54 MPH
MAR 8 241 PM	MESCALERO-OTERO	PEAK WIND 54 MPH
MAR 8 200 PM	CHAPARRAL-DONA ANA	PEAK WIND 53 MPH
MAR 8 1208 PM	T OR C AIRPORT-SIERRA	PEAK WIND 53 MPH

Selected weather reports March 2019

Date/Time	Location (County)	Event
MAR 8 216 PM	WINSTON-SIERRA	PEAK WIND 52 MPH
MAR 8 158 PM	ORGAN-DONA ANA	PEAK WIND 50 MPH
MAR 8 117 PM	SANTA TERESA 5NW-DONA ANA	PEAK WIND 49 MPH
MAR 8 155 PM	LAS CRUCES MUNI AIRPORT-DONA ANA	PEAK WIND 48 MPH
MAR 8 239 PM	CLINT-EL PASO	PEAK WIND 48 MPH
MAR 8 215 PM	ALAMOGORDO AIRPORT-OTERO	PEAK WIND 47 MPH
MAR 8 555 PM	GRANT CO AIRPORT-GRANT	PEAK WIND 45 MPH
MAR 12 325 PM	BOLES ACRES-OTERO	.88 INCH HAIL
MAR 13 1215 PM	SAN AUGUSTIN PASS-DONA ANA	PEAK WIND 104 MPH
MAR 13 630 PM	CLOUDCROFT-OTERO	PEAK WIND 100 MPH
MAR 13 333 PM	SOUTH FRANKLIN MTN-EL PASO	PEAK WIND 90 MPH
MAR 13 1210 PM	HIGH ROLLS-OTERO	PEAK WIND 74 MPH
MAR 13 334 PM	WSMR MAIN POST-DONA ANA	PEAK WIND 74 MPH
MAR 13 341 PM	EL PASO INTL AIRPORT-EL PASO	PEAK WIND 73 MPH
MAR 13 340 PM	SUNSPOT-OTERO	PEAK WIND 72 MPH

Selected weather reports March 2019

Date/Time	Location (County)	Event
MAR 13 341 PM	MESCALERO-OTERO	PEAK WIND 68 MPH
MAR 13 426 PM	DRIPPING SPRINGS-DONA ANA	PEAK WIND 63 MPH
MAR 13 445 PM	DEMING 11NE-LUNA	PEAK WIND 62 MPH
MAR 13 340 PM	HACHITA 15SW-HIDALGO	PEAK WIND 60 MPH
MAR 13 515 PM	LAS CRUCES AIRPORT-DONA ANA	PEAK WIND 60 MPH
MAR 13 1036 AM	SPACEPORT AMERICA-SIERRA	PEAK WIND 59 MPH
MAR 13 212 PM	NWS SANTA TERESA-DONA ANA	PEAK WIND 55 MPH
MAR 13 249 PM	CLINT-EL PASO	PEAK WIND 54 MPH
MAR 13 155 PM	GRANT CO AIRPORT-GRANT	PEAK WIND 51 MPH
MAR 13 229 PM	RADIUM SPRINGS-DONA ANA	PEAK WIND 50 MPH



NATIONAL WEATHER SERVICE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

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Local forecast by "City, ST" or ZIP code

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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 >](#)

NWS El Paso

[Weather.gov > El Paso, TX](#)

El Paso, TX
Weather Forecast Office


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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

[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 >](#)

Monthly Weather Digest

[Weather.gov > El Paso, TX > Monthly Weather Digest](#)

El Paso, TX
Weather Forecast Office

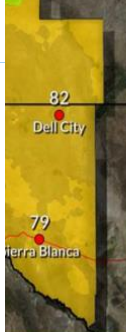
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Southern New Mexico and Far West Texas has a variety of weather from month to month. Conditions can range from extreme drought, to heavy flooding rains, from record breaking heat to bone chilling cold. Below you will find past weather highlights from 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	



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.

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

