

May 2019 Weather Digest



May 2019 Weather Summary

May turned out to be quite an unusual month as an active storm track, something more akin to March and April, persisted over our area. This led to two uncommon events for May. First, the storm track produced several Pacific storms during the month that created strong winds, something usually on the wane by May around our area. Second, the storms produced a prolonged period at the end of the month of thunderstorms and some severe weather.

Temperatures for the month were a bit below normal thanks to the cloud cover apparent on many of the days. At the El Paso Airport, average high and low temps were just below normal, but at many other sites away from the large urban area, average temperatures were well below normal. Despite the frequent cloud cover and storms rolling through, precipitation for much of the area was below normal. Luna and Hudspeth Counties, saw up to twice the normal rainfall. Eastern Sierra County also was a bit above normal.

Looking ahead to June, we can expect the hottest temperatures of the year, though arguably July with its humidity can be just as uncomfortable. El Paso averages 11 triple digit readings for the month, which is half of the yearly total. The record high for June at El Paso is 114 degrees, while in the mountains at Cloudcroft the June record high is 88 degrees.

May 2019 Weather Summary cont'd.

Daylight continues to increase from 14 hours and 5 minutes daylight on June 1st to 14 hours and 14 minutes of daylight on June 21, which is the day of summer solstice. After that date, daylight begins its long, slow descent towards winter. June is also the approach of the monsoon season. The monsoon season runs from June 15th to September 30th, and the actual monsoon period often (but not always) starts toward the end of the month.

Less than one month water level change at Elephant Butte

April 26



May 13



Lightning

May 11



Thunderstorm El Paso

May 12



**Wind damage Las Cruces
May 12**



**Wind damage Las Cruces
May 12**



El Niño Advisory in Effect

ENSO Alert System

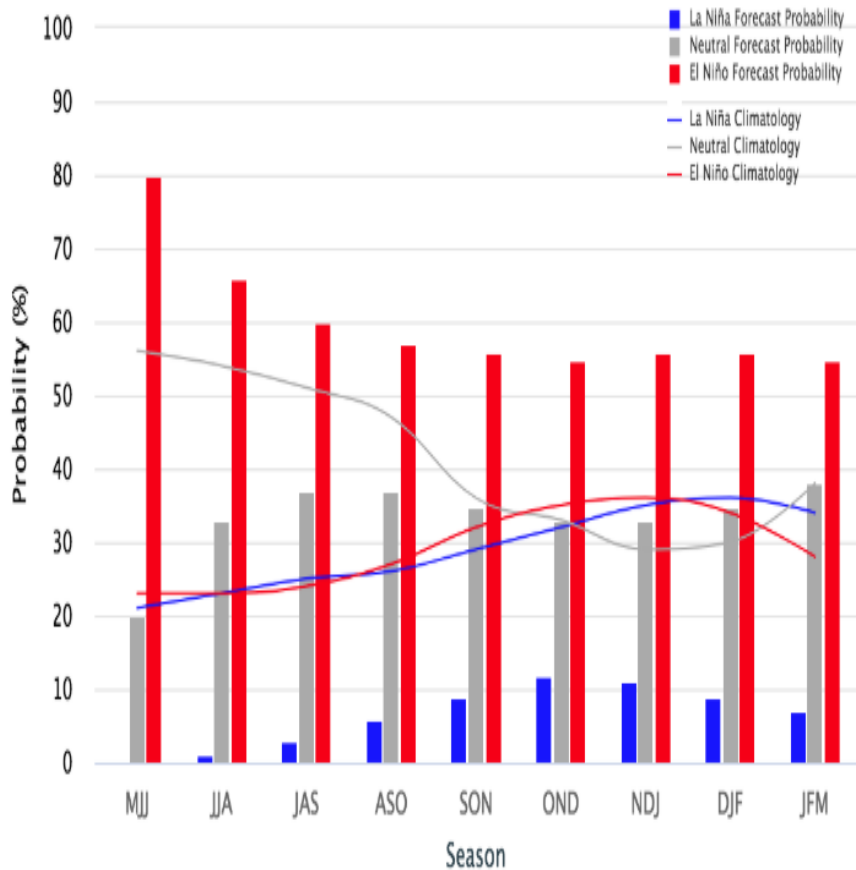
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

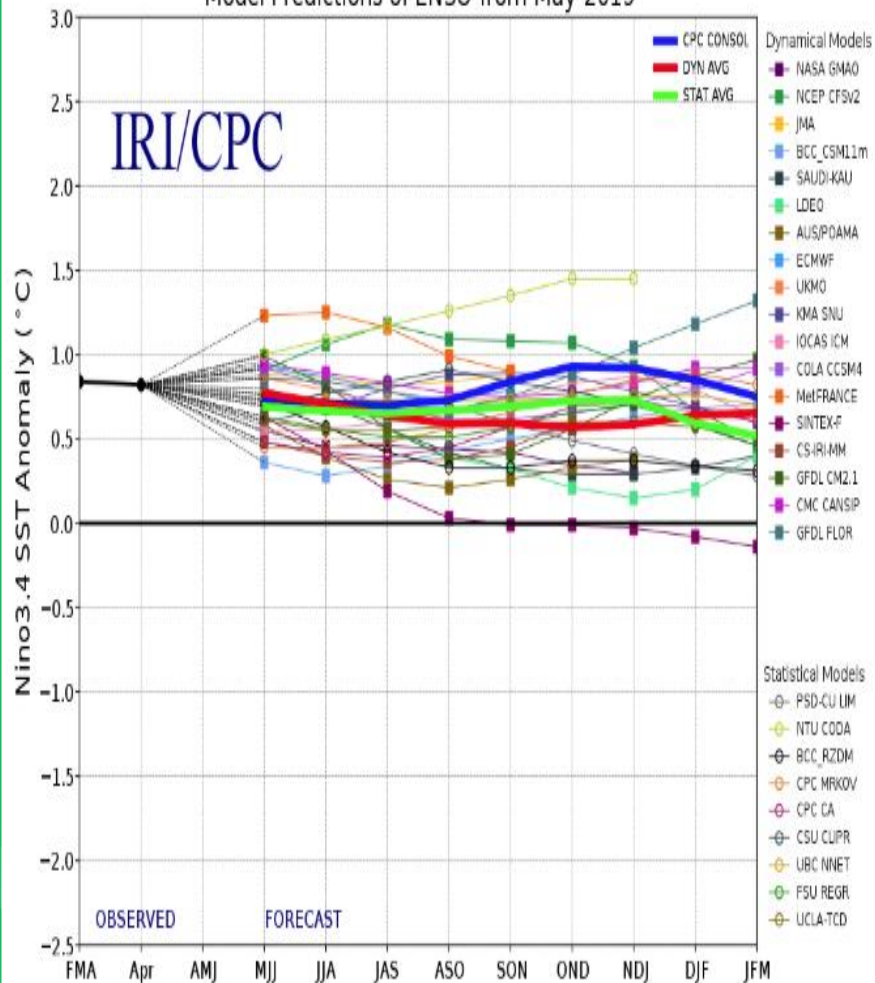
ENSO is now in a weak El Niño phase and could remain that way into Fall

Mid-May 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



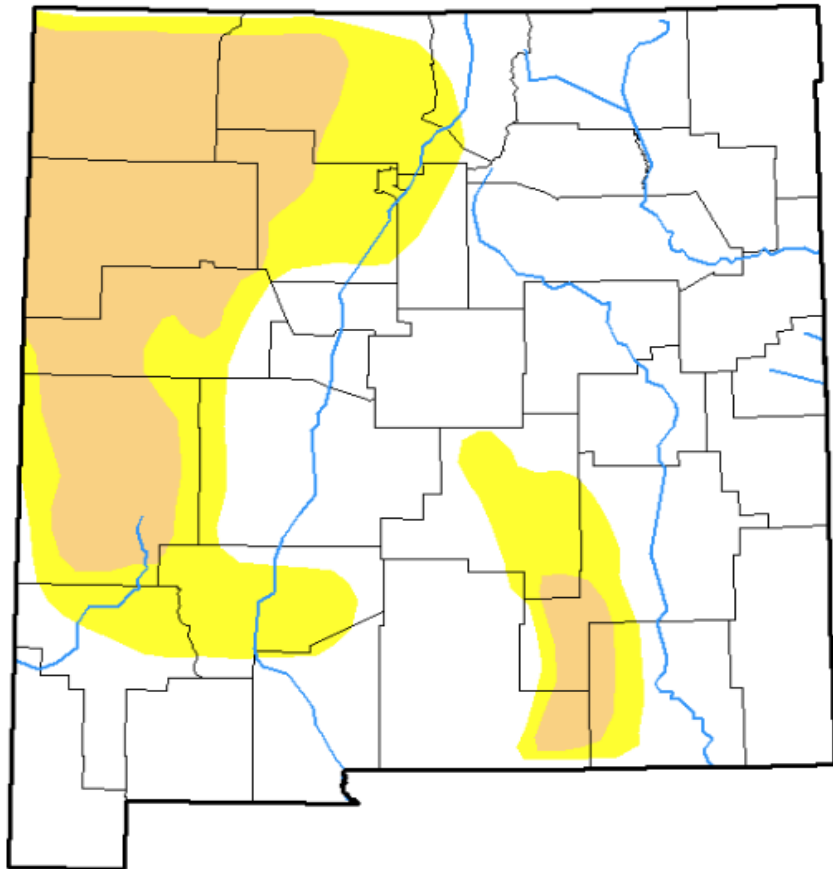
Model Predictions of ENSO from May 2019



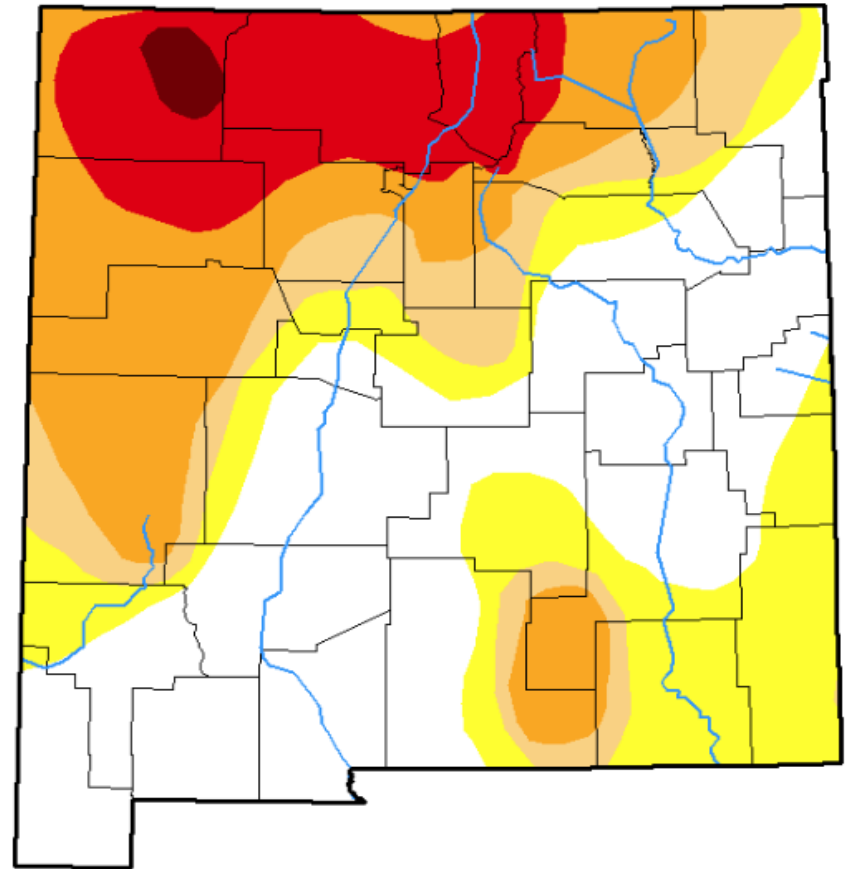
Current drought conditions for New Mexico and 3 month change

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

May 28, 2019








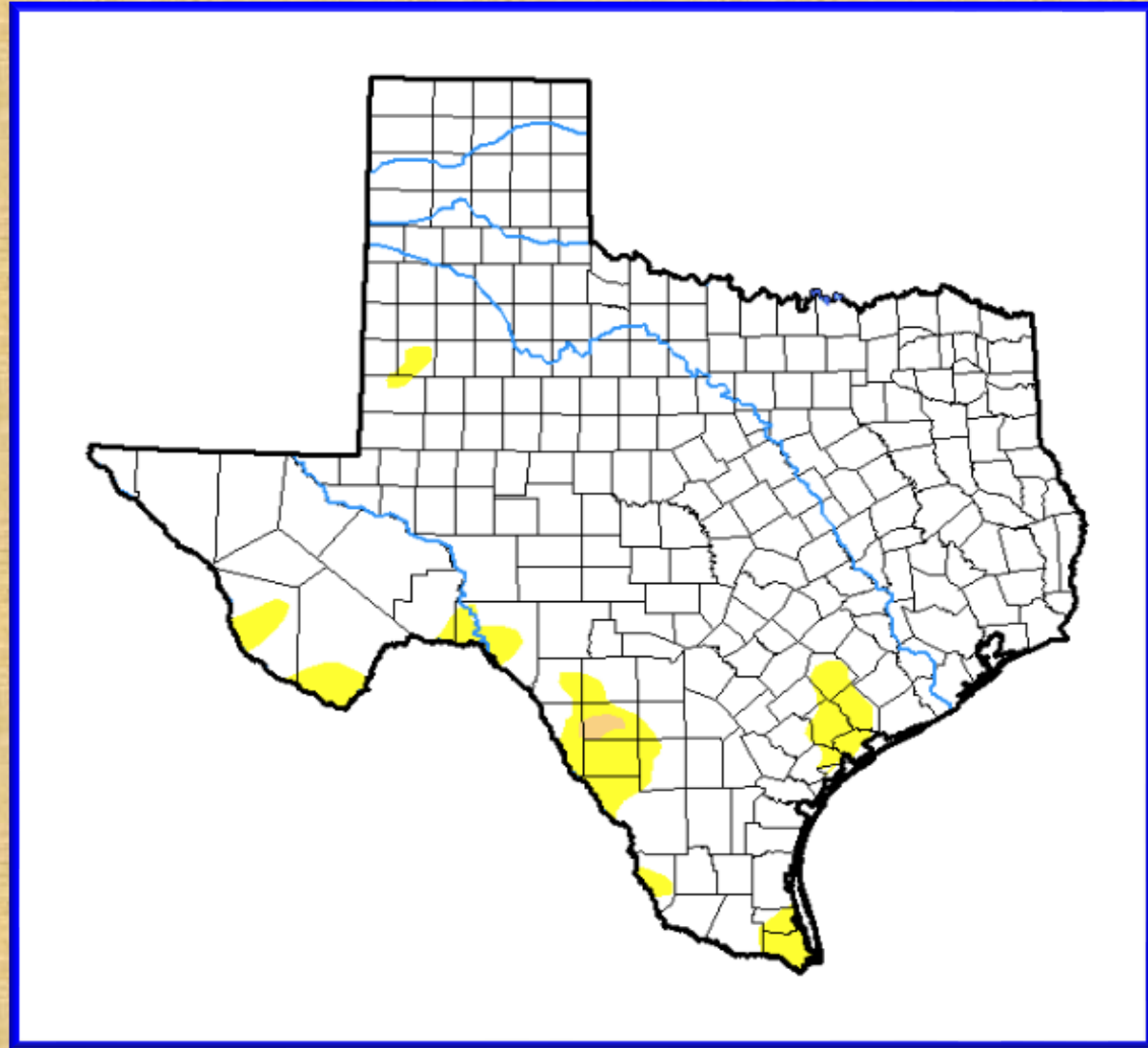
February 26, 2019



Current drought conditions for Texas as of May 28, 2019

Intensity:

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



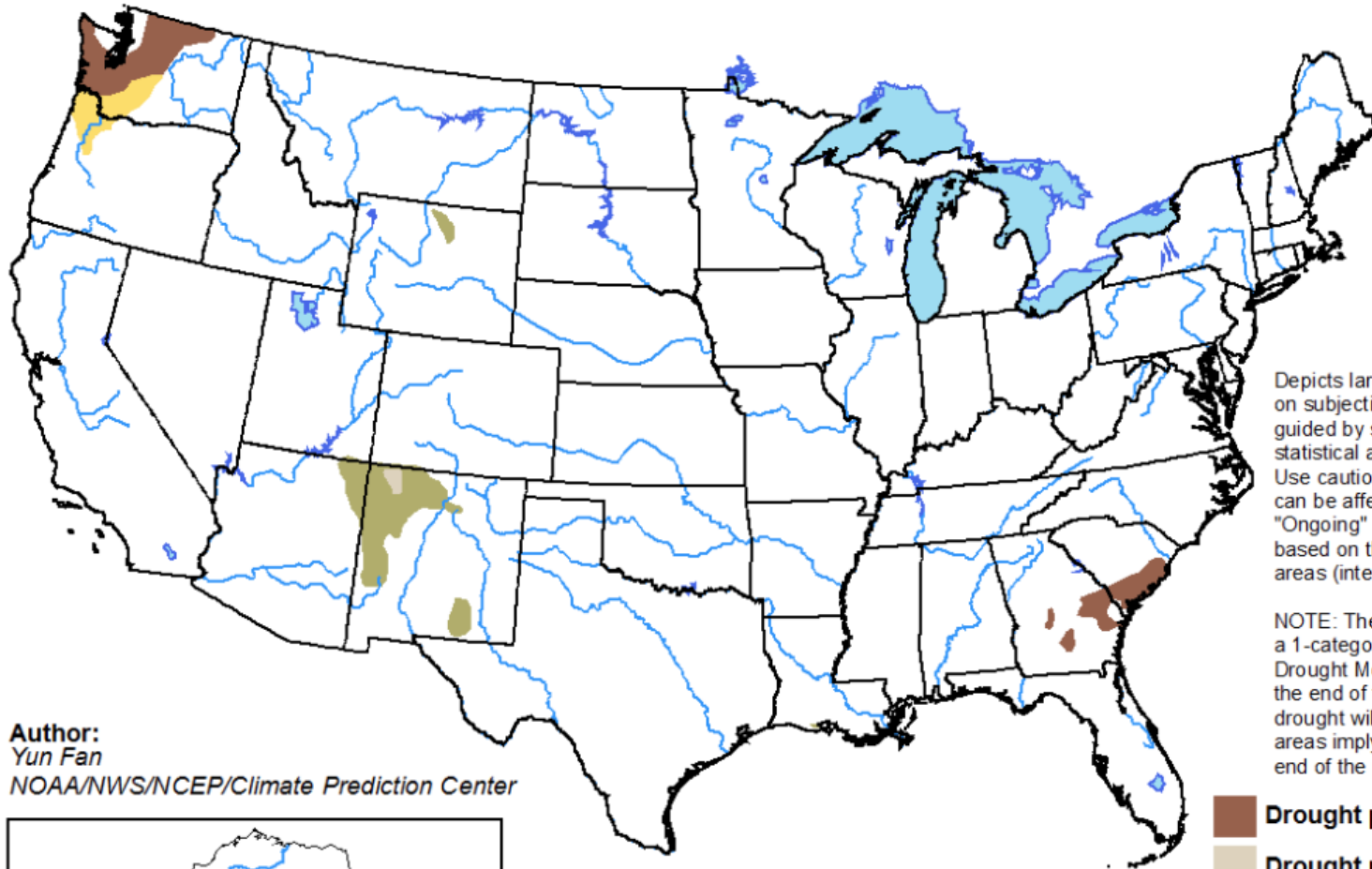
Build your own custom slider maps here at:

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

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for May 16 - August 31, 2019
Released May 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:
Yun Fan
NOAA/NWS/NCEP/Climate Prediction Center



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

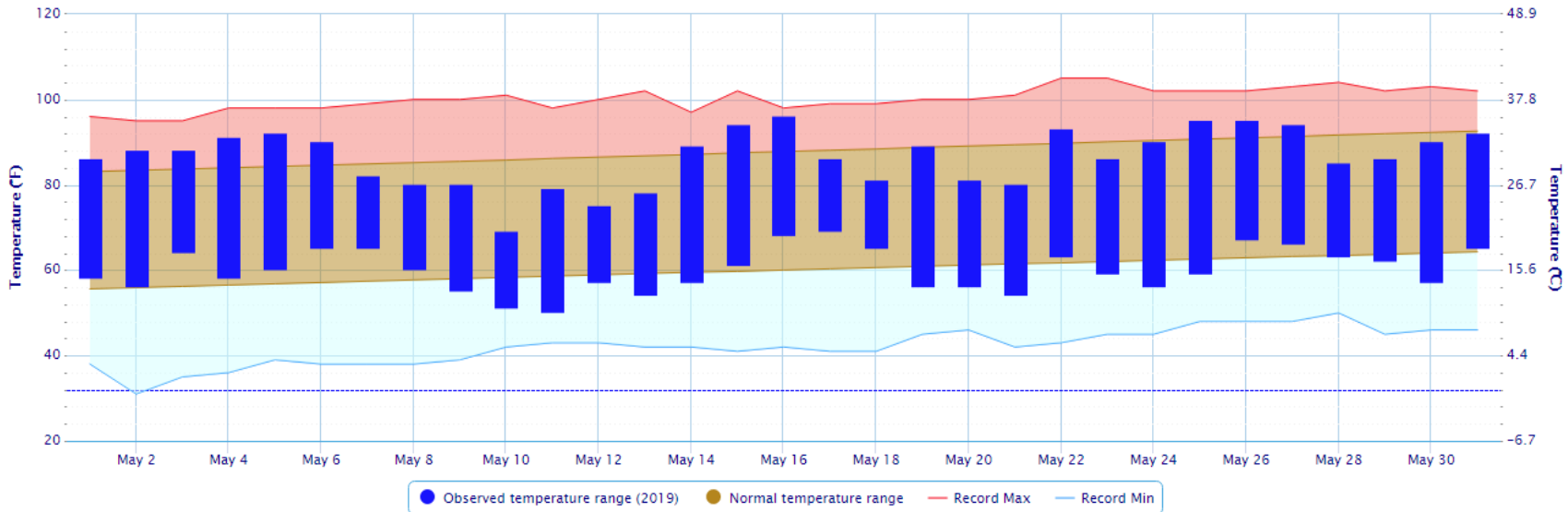


<http://go.usa.gov/3eZ73>

Temperature and precipitation data for May 2019

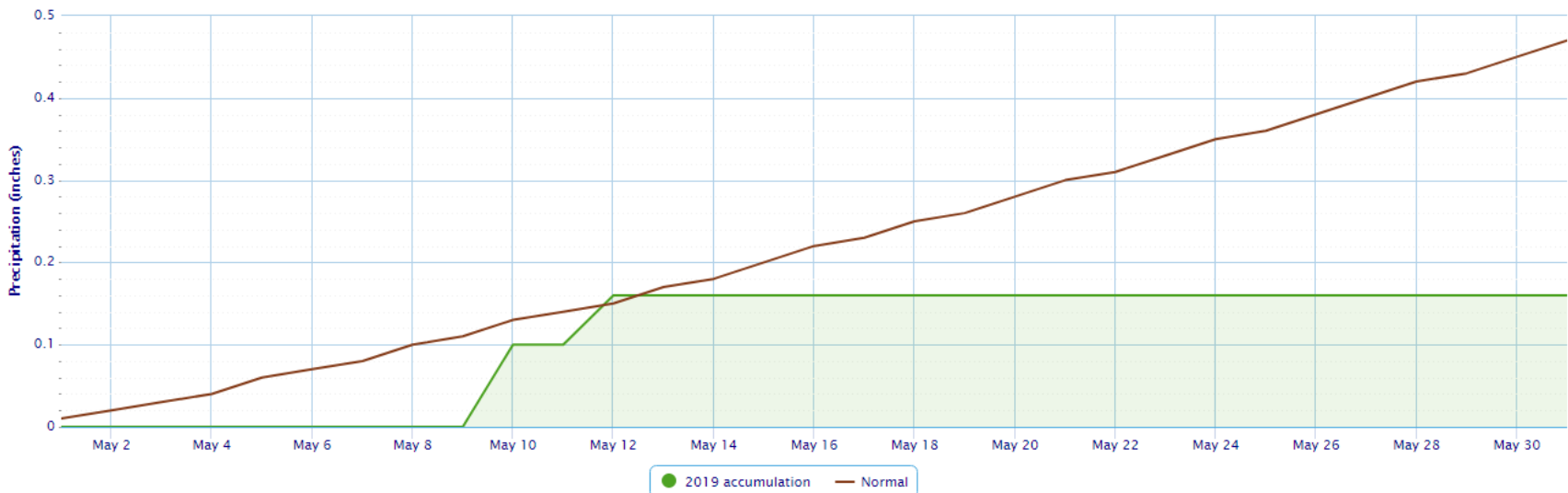
Daily Temperature Data – El Paso Area, TX (ThreadEx)

Period of Record – Max temperature: 1887-01-01 to 2019-06-02; Min temperature: 1879-01-01 to 2019-06-02. Normals period: 1981-2010. Click and drag to zoom chart.

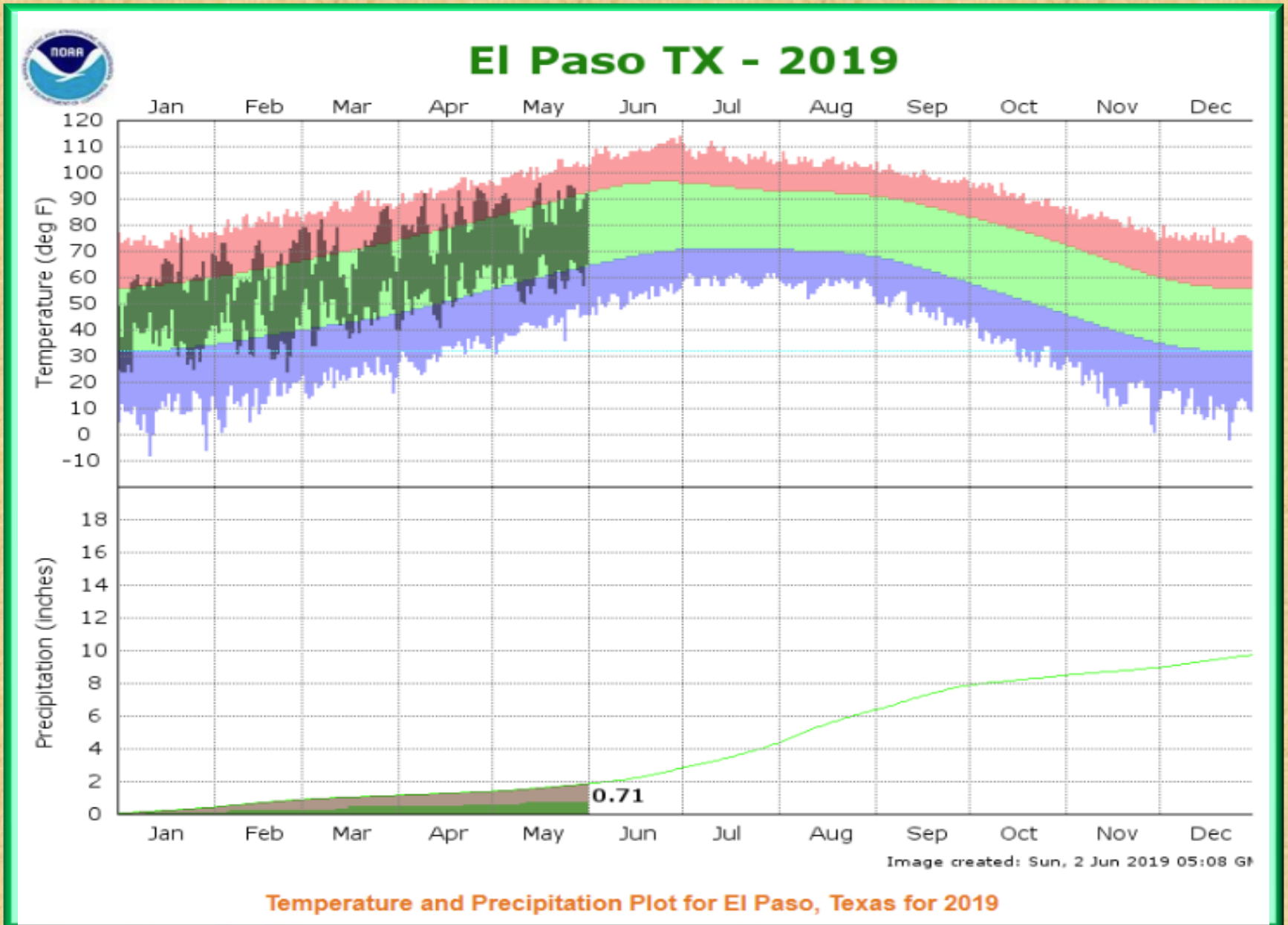


Accumulated Precipitation – El Paso Area, TX (ThreadEx)

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



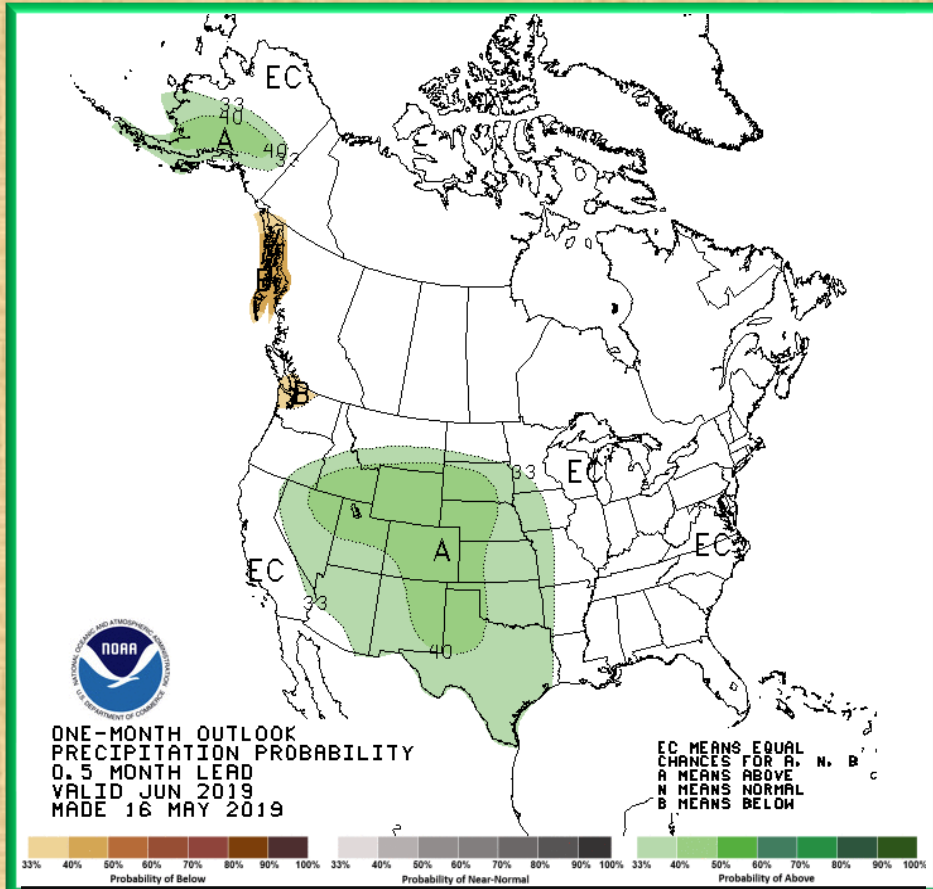
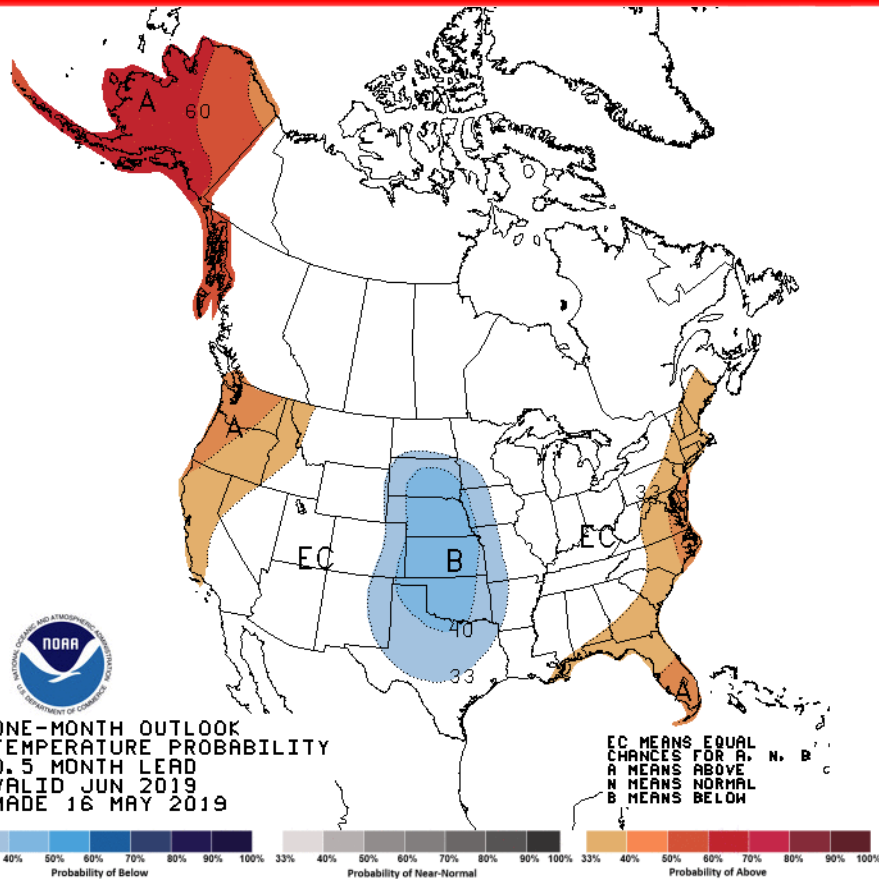
2019 year-to-date temperature and precipitation data El Paso



Temperature and precipitation outlook for June 2019

Temperature

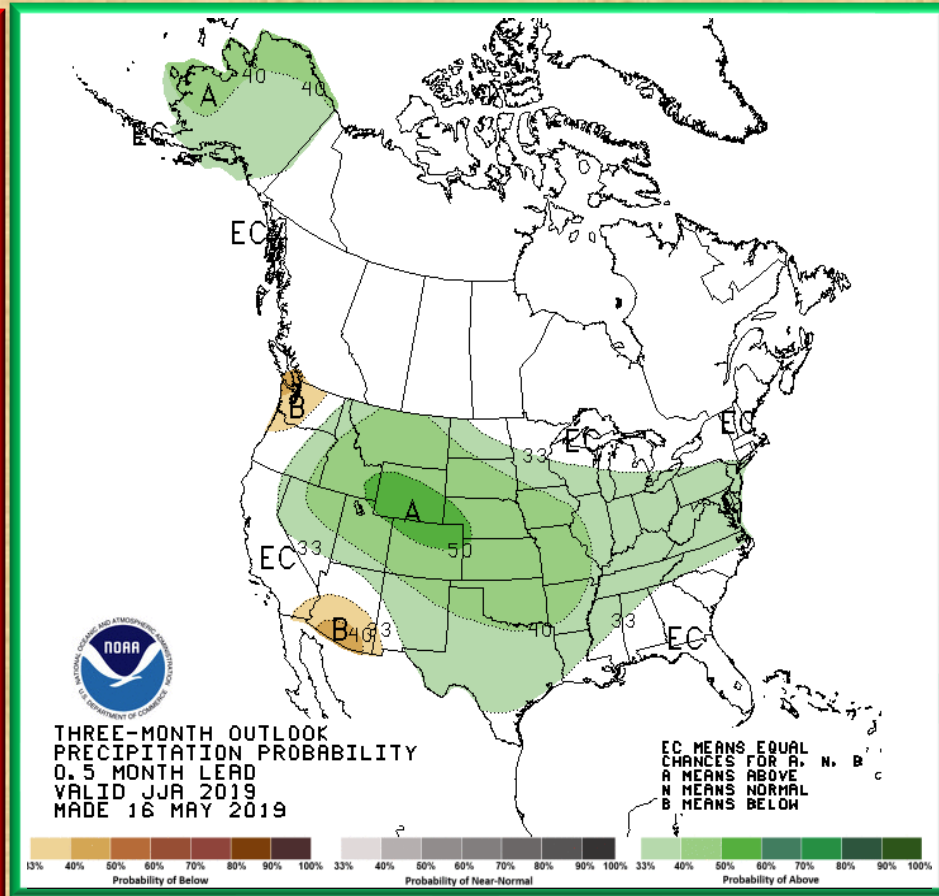
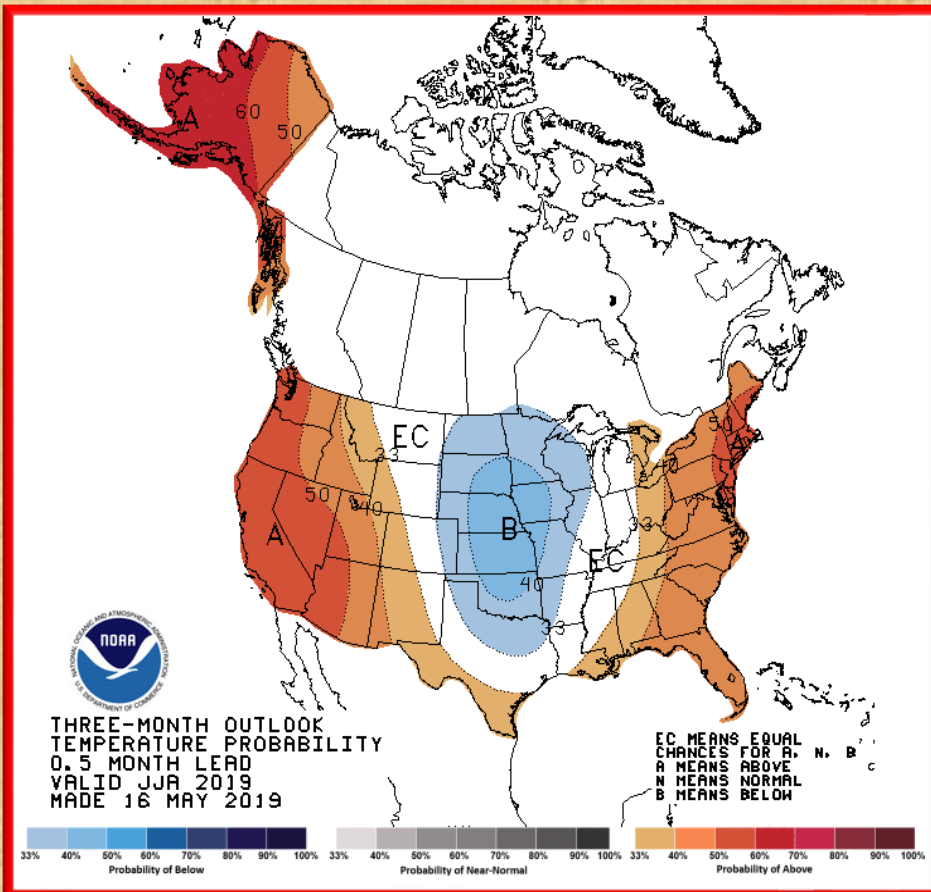
Precipitation



Temperature and precipitation outlook For June-August 2019

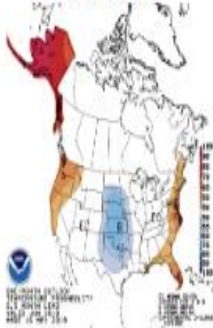
Temperature

Precipitation

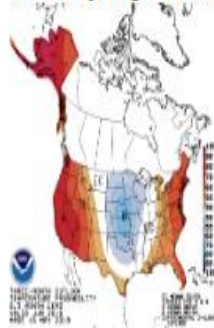


Temperature Outlook Through August 2020

June 2019



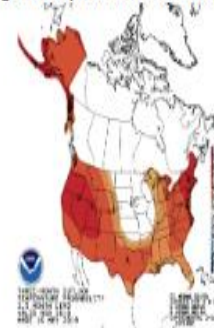
June-July-August 2019



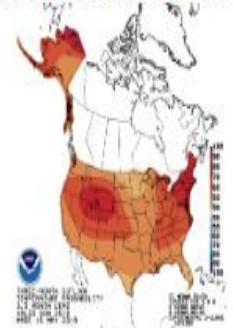
July-August-September 2019



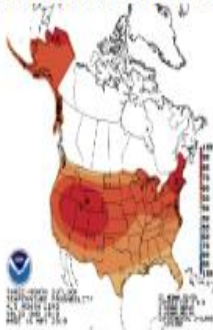
August-September-October 2019



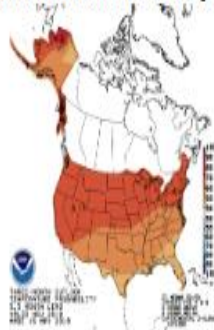
September-October-November 2019



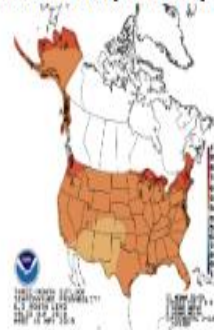
October-November-December 2019



November-December-January 2019/20



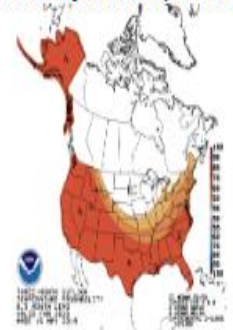
December-January-February 2019/20



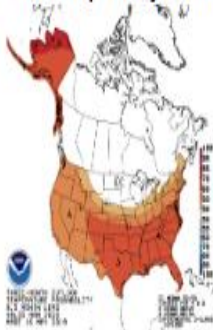
January-February-March 2020



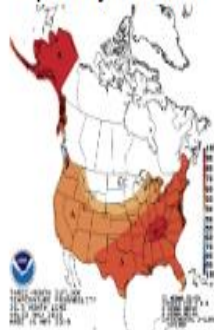
February-March-April 2020



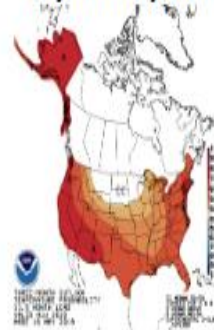
March-April-May 2020



April-May-June 2020



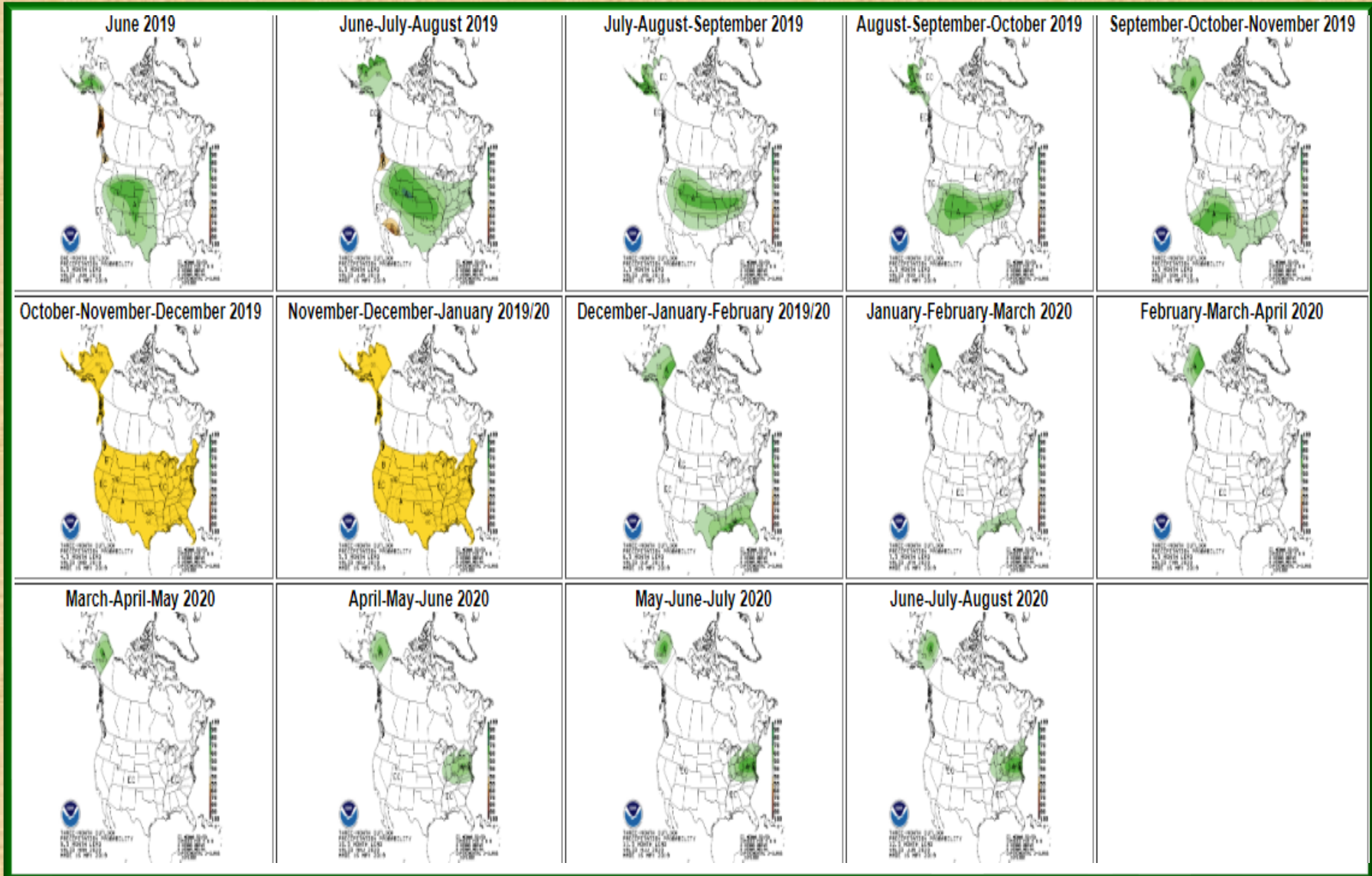
May-June-July 2020



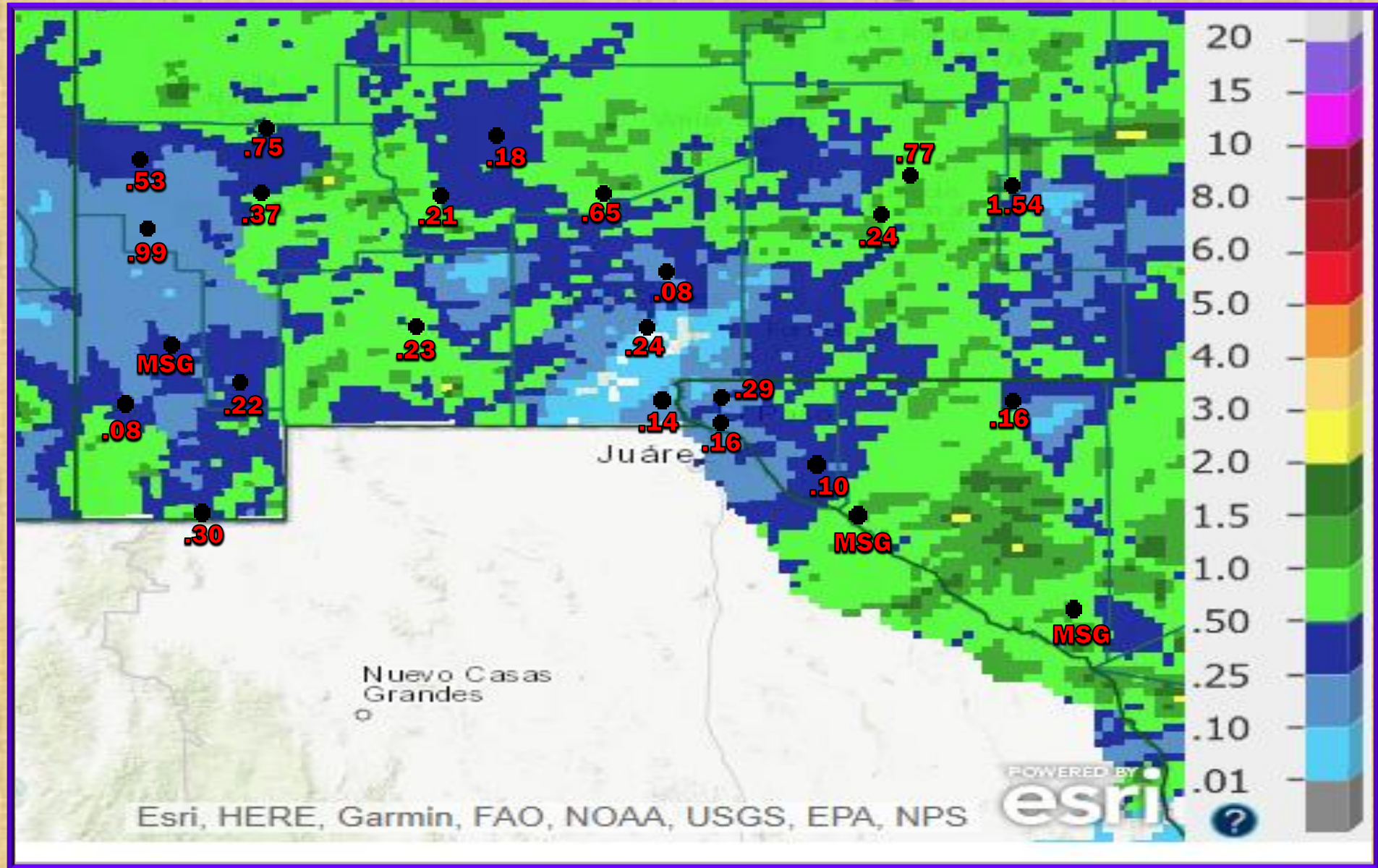
June-July-August 2020



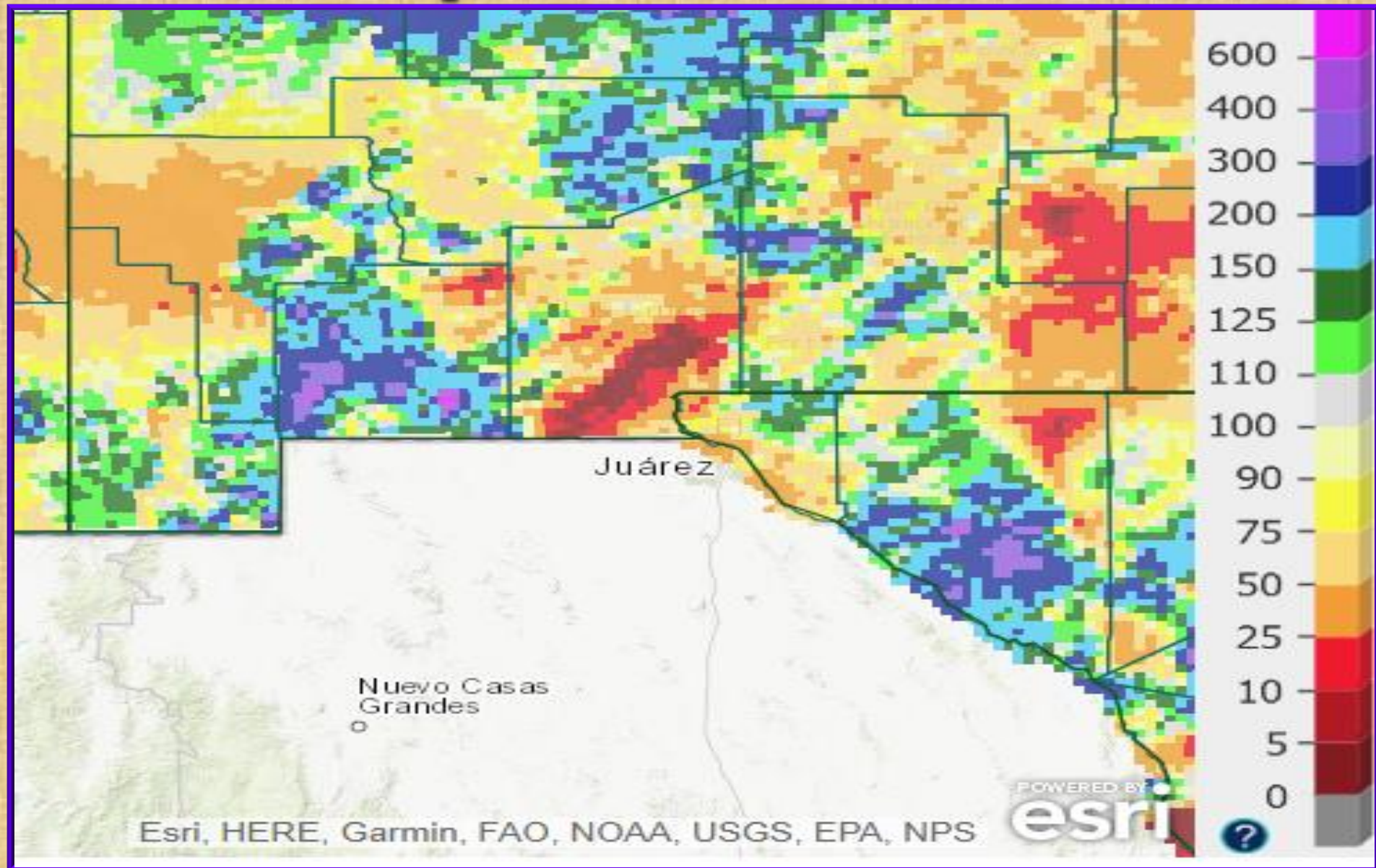
Precipitation Outlook Through August 2020



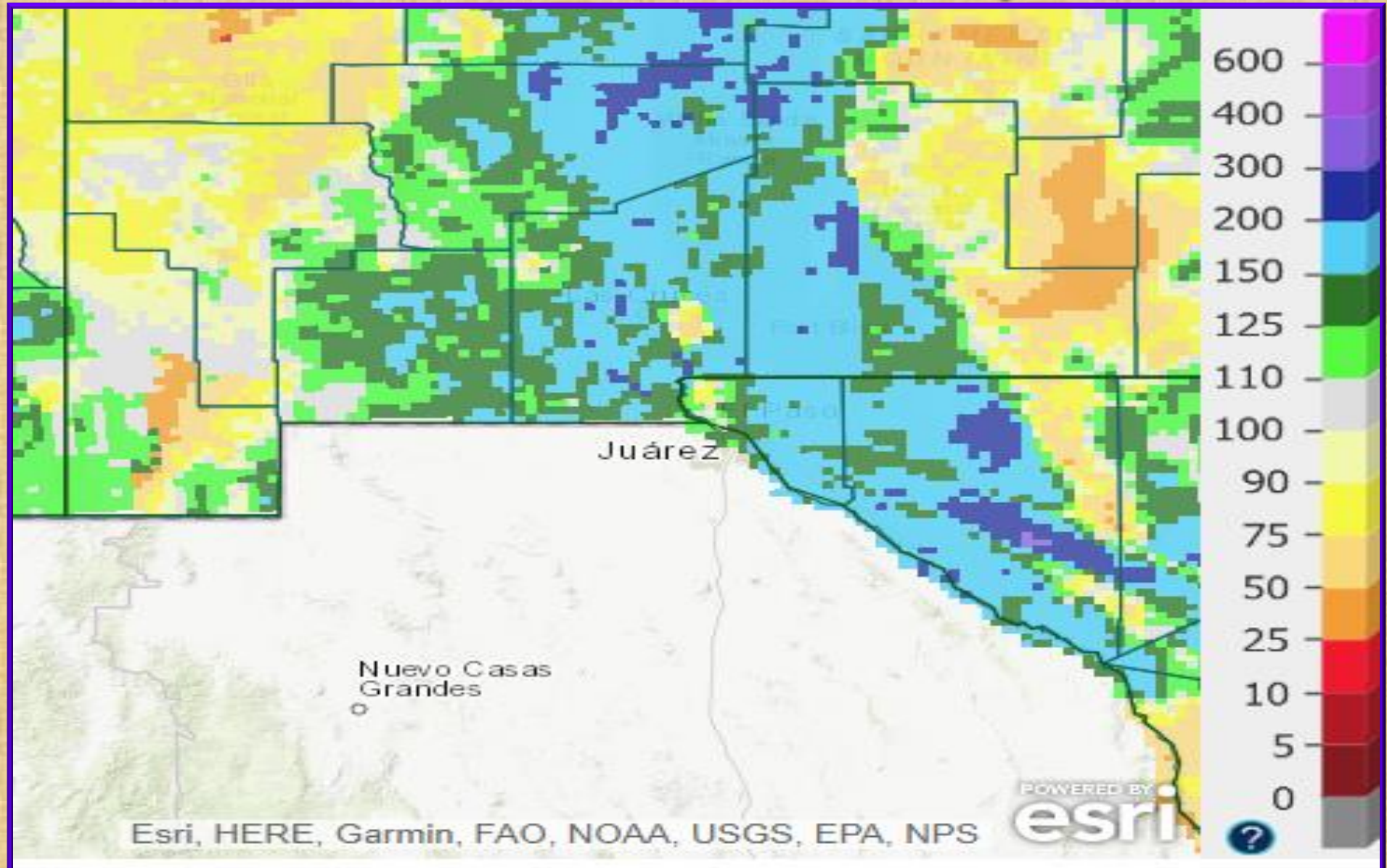
May 2019 radar rainfall estimate with surface rainfall reports



May 2019 radar rainfall estimate percent of normal



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

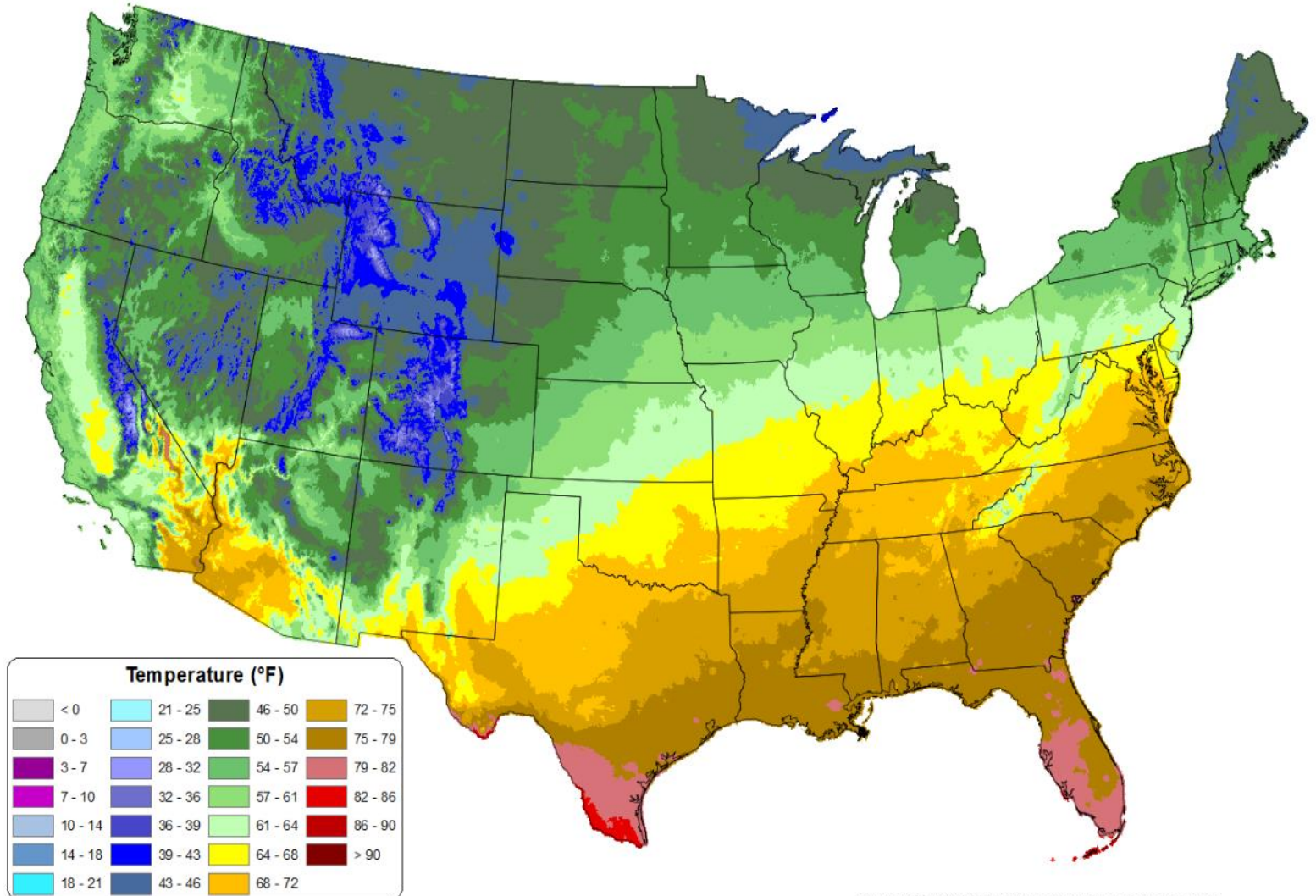


Average Daily Mean Temperature for May 2019

Average Daily Mean Temperature: May 2019

Period ending 7 AM EST 31 May 2019

(Map created 02 Jun 2019)

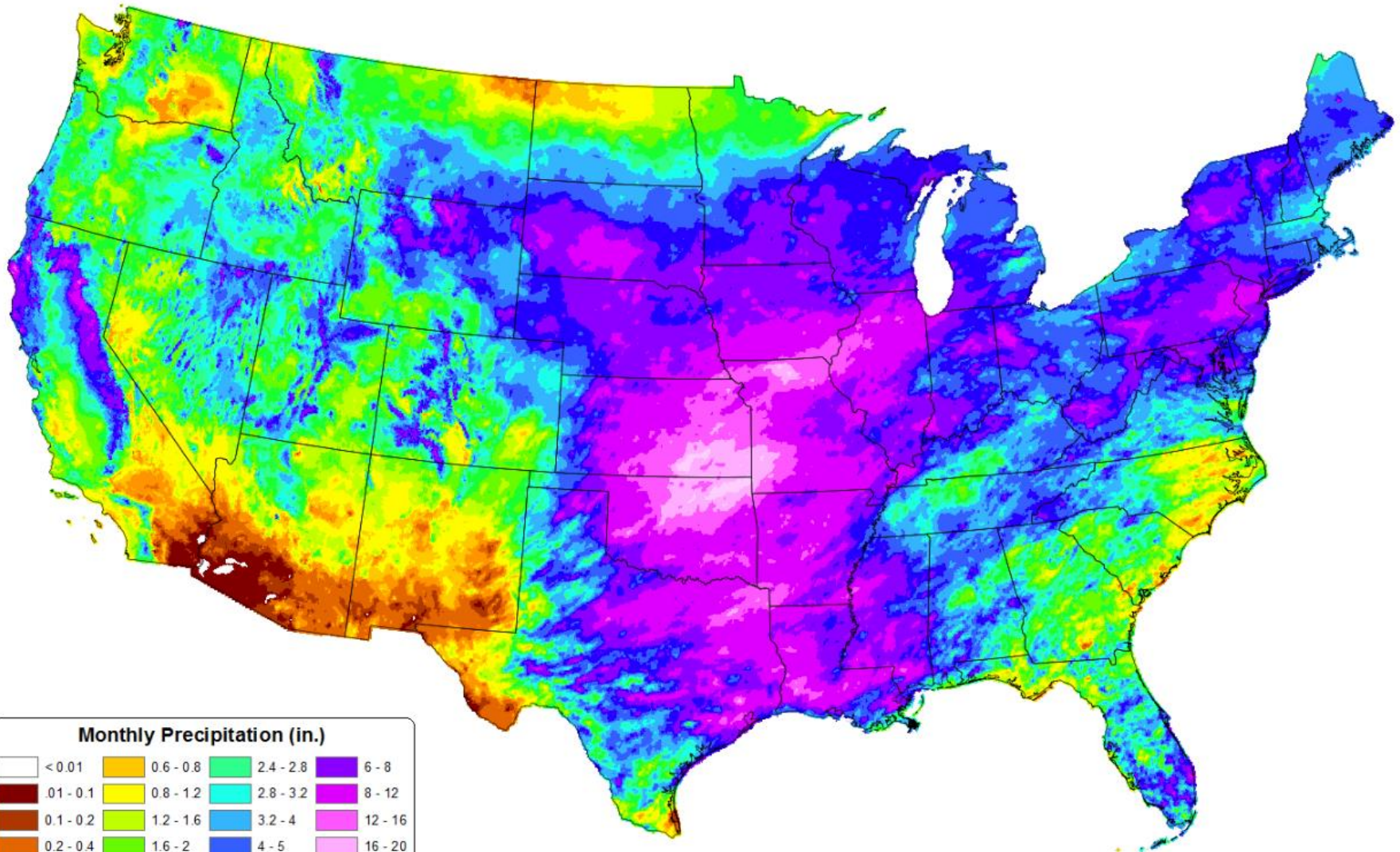


Total Precipitation for May 2019

Total Precipitation: May 2019

Period ending 31 May 2019

(Map created 02 Jun 2019)



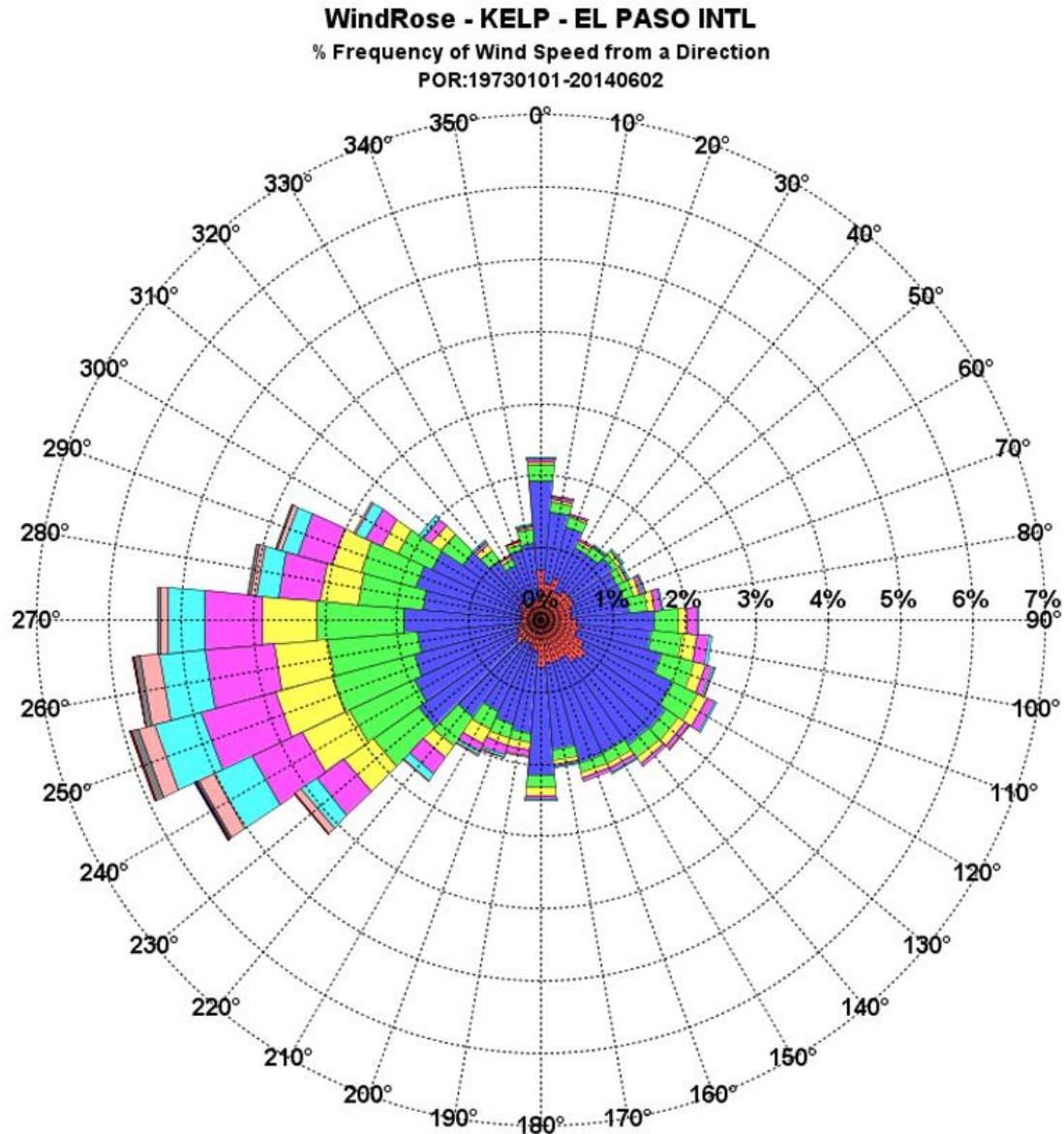
Monthly Precipitation (in.)

< 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: MAY
Calm: 6.44%
Variable: 2.66%



Selected weather reports May 2019

Date/Time	Location (County)	Event
MAY 20 305 PM	SAN AUGUSTIN PASS-DONA ANA	PEAK WIND 72 MPH
MAY 20 534 PM	EL PASO 13NE-EL PASO	PEAK WIND 64 MPH
MAY 20 250 PM	WSMR 5NE-DONA ANA	PEAK WIND 60 MPH
MAY 20 240 PM	HATCHITA 15SW-HIDALGO	PEAK WIND 59 MPH
MAY 20 435 PM	SUNSPOT-OTERO	PEAK WIND 56 MPH
MAY 20 608 PM	EL PASO AIRPORT-EL PASO	PEAK WIND 55 MPH
MAY 20 447 PM	SANTA TERESA 5NW	PEAK WIND 54 MPH
MAY 20 735 PM	LAS CRUCES AIRPORT-DONA ANA	PEAK WIND 53 MPH
MAY 20 226 PM	DRIPPING SPRINGS-DONA ANA	PEAK WIND 52 MPH
MAY 20 355 PM	ROAD FORKS6NE-HIDALGO	PEAK WIND 52 MPH
MAY 20 400 PM	DEMING 2SE-LUNA	PEAK WIND 52 MPH
MAY 20 440 PM	OROGRANDE 4NW-OTERO	PEAK WIND 52 MPH
MAY 20 435 PM	TULAROSA 20NW	PEAK WIND 51 MPH
MAY 20 600 PM	SOCORRO-EL PASO	PEAK WIND 48 MPH
MAY 20 234 PM	MAYHILL 3NW-OTOERO	PEAK WIND 47 MPH

Selected weather reports May 2019

Date/Time	Location (County)	Event
MAY 20 1235 PM	SPACEPORT AMERICA-SIERRA	PEAK WIND 46 MPH
MAY 20 148 PM	CLOUDCROFT-OTERO	PEAK WIND 45 MPH
MAY 21 345 PM	SAN AUGUSTIN PASS-DONA ANA	PEAK WIND 72 MPH
MAY 21 914 PM	EL PASO 13NE-EL PASO	PEAK WIND 56 MPH
MAY 21 229 PM	CLINT-EL PASO	PEAK WIND 53 MPH
MAY 21 634 PM	MAYHILL 3NW-OTERO	PEAK WIND 53 MPH
MAY 21 540 PM	WSMR MAIN POST-DONA ANA	PEAK WIND 53 MPH
MAY 21 1140 PM	HACHITA 15SW-HIDALGO	PEAK WIND 51 MPH
MAY 21 559 PM	REDROCK 12E-GRANT	PEAK WIND 47 MPH
MAY 21 541 PM	MESCALERO-OTERO	PEAK WIND 47 MPH
MAY 21 205PM	LORDSBURG 6SW-HIDALGO	PEAK WIND 46 MPH
MAY 21 535 PM	ROAD FORKS2NE-HIDALGO	PEAK WIND 45 MPH
MAY 21 148 PM	CLOUDCROFT-OTERO	PEAK WIND 45 MPH
MAY 26 420 PM	SAN AUGUSTIN PASS-DONA ANA	PEAK WIND 86 MPH

Selected weather reports May 2019

Date/Time	Location (County)	Event
MAY 26 420 PM	SAN AUGUSTIN PASS-DONA ANA	PEAK WIND 86 MPH
MAY 26 125 PM	ROAD FORKS 2NE-HIDALGO	PEAK WIND 75 MPH
MAY 26 325 PM	TULAROSA 9W-OTOER	PEAK WIND 65 MPH
MAY 26 159 PM	REDROCK 12E-GRANT	PEAK WIND 64 MPH
MAY 26 235 PM	NORTHRUP STRIP-DONA ANA	PEAK WIND 63 MPH
MAY 26 115 PM	LORDSBURG 6SW-HIDALGO	PEAK WIND 62 MPH
MAY 26 145 PM	DEMING 18SW-LUNA	PEAK WIND 60 MPH
MAY 26 1240 PM	WSMR 1SE-OTERO	PEAK WIND 58 MPH
MAY 26 330 PM	SUNSPOT-OTERO	PEAK WIND 56 MPH
MAY 26 307 PM	WINSTON-SIERRA	PEAK WIND 55 MPH
MAY 26 410 PM	SPACEPORT AMERICA-SIERRA	PEAK WIND 54 MPH
MAY 26 415 PM	LAS CRUCES AIRPORT-DONA ANA	PEAK WIND 54 MPH
MAY 26 215 PM	GRANT CO AIRPORT-GRANT	PEAK WIND 52 MPH
MAY 26 300 PM	FAYWOOD 3NE-GRANT	PEAK WIND 51 MPH
MAY 26 321 PM	HILLSBORO-SIERRA	PEAK WIND 50 MPH

Selected weather reports May 2019

Date/Time	Location (County)	Event
MAY 26 214 PM	SANTA TERESA 5NW-DONA ANA	PEAK WIND 49 MPH
MAY 26 315 PM	ALAMOGORDO AIRPORT-OTERO	PEAK WIND 48 MPH
MAY 26 526 PM	DRIPPING SPRINGS-DONA ANA	PEAK WIND 47 MPH

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**

