

# June 2020 Weather Digest



# June 2020 Weather Summary

June turned out to be another rather dry and warm month, the third month in a row for such a feat. While this is all below normal climatological normals, this is not unusual to see this dry streak. The precipitation maps show that Sierra, Luna, Dona Ana, and western Otero Counties did end up a bit above normal, with the remainder of the area below normal. Also, as often happens with the dry late spring/early summer weather, wildfires came into the picture. Storms on the 6th and 7th ignited several wildfires due to lightning. Thus, the rest of the month saw numerous days of smokey skies due to fires in the Gila Uplands and also in eastern Arizona.

Temperatures for the month once again were above normal with the dry weather. As the month wore on, thunderstorms became more common as the Monsoon Pattern had several false starts (By contrast the Monsoon season had begun for northwestern Mexico by the last few days of the month). The last 10 days of the month saw several stormy days. Strong outflow wind gusts occurred in this period; not unusual for June.

Looking ahead to July, day length slowly decreases as we are now past the Summer Solstice. Daylight on the 1st is 14 hours and 8 minutes, while it drops to 13 hours and 38 minutes on the last day of July.

# June 2020 Weather Summary, cont'd

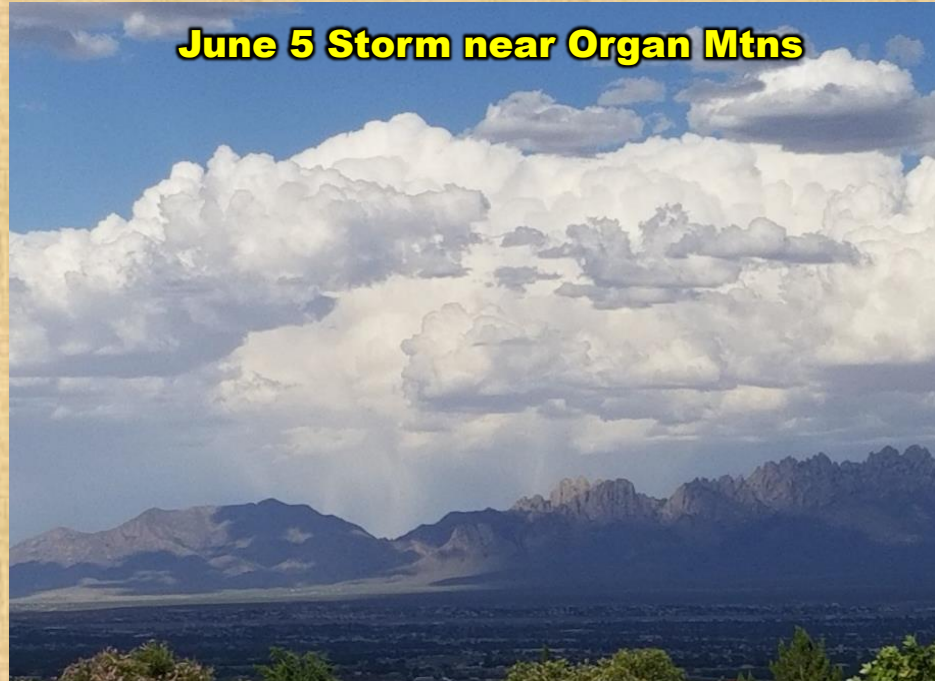
The normal high temperature at El Paso on the 1st is 96, falling to 93 on the 31st. This month's full moon is on the 5th, while the next new moon falls on the 20th. July is also the first of 3 consecutive wet months as our monsoon generally kicks in this month (usually the first week or two). This period (June through September) provides 50-60 percent of the annual rainfall for southern New Mexico and west Texas.



**June 5 Storm near Alamogordo**



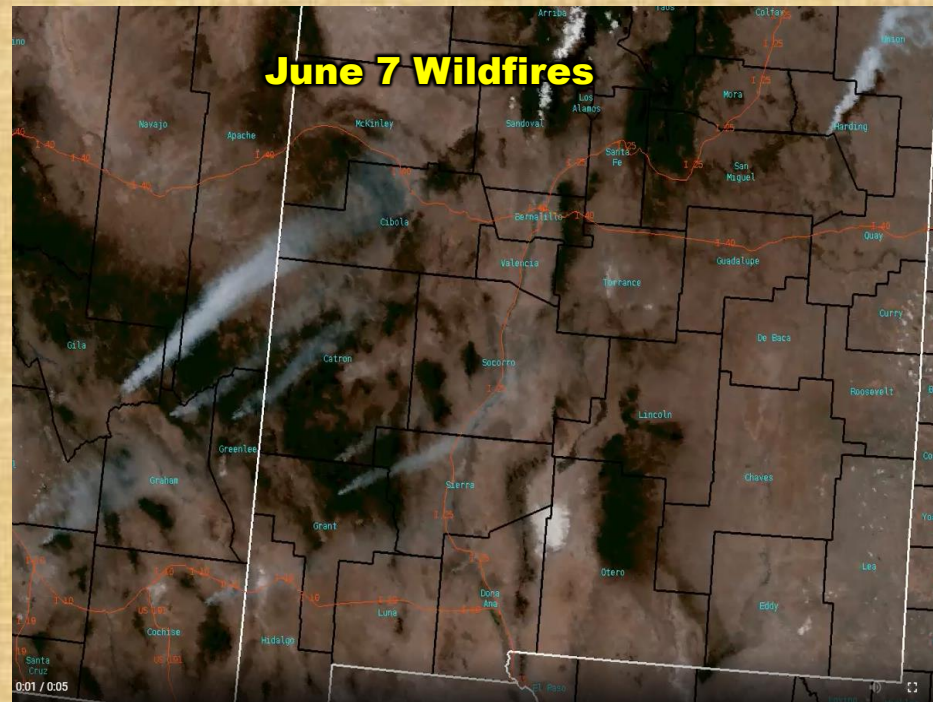
**June 5 Storm near Organ Mtns**



**June 5 Dust Storm near Lordsburg**



**June 7 Wildfires**



**June 11 Storm near Las Cruces**



**June 11 Storm near Santa Teresa**



**June 12 Storm El Paso**



**June 11 Storm near Las Cruces**





**June 13 Tadpole Wildfire north of Silver City**



**June 20 Dust Storm**



**June 24 Dust Storm Las Cruces**



**June 24 Storm near Las Cruces**



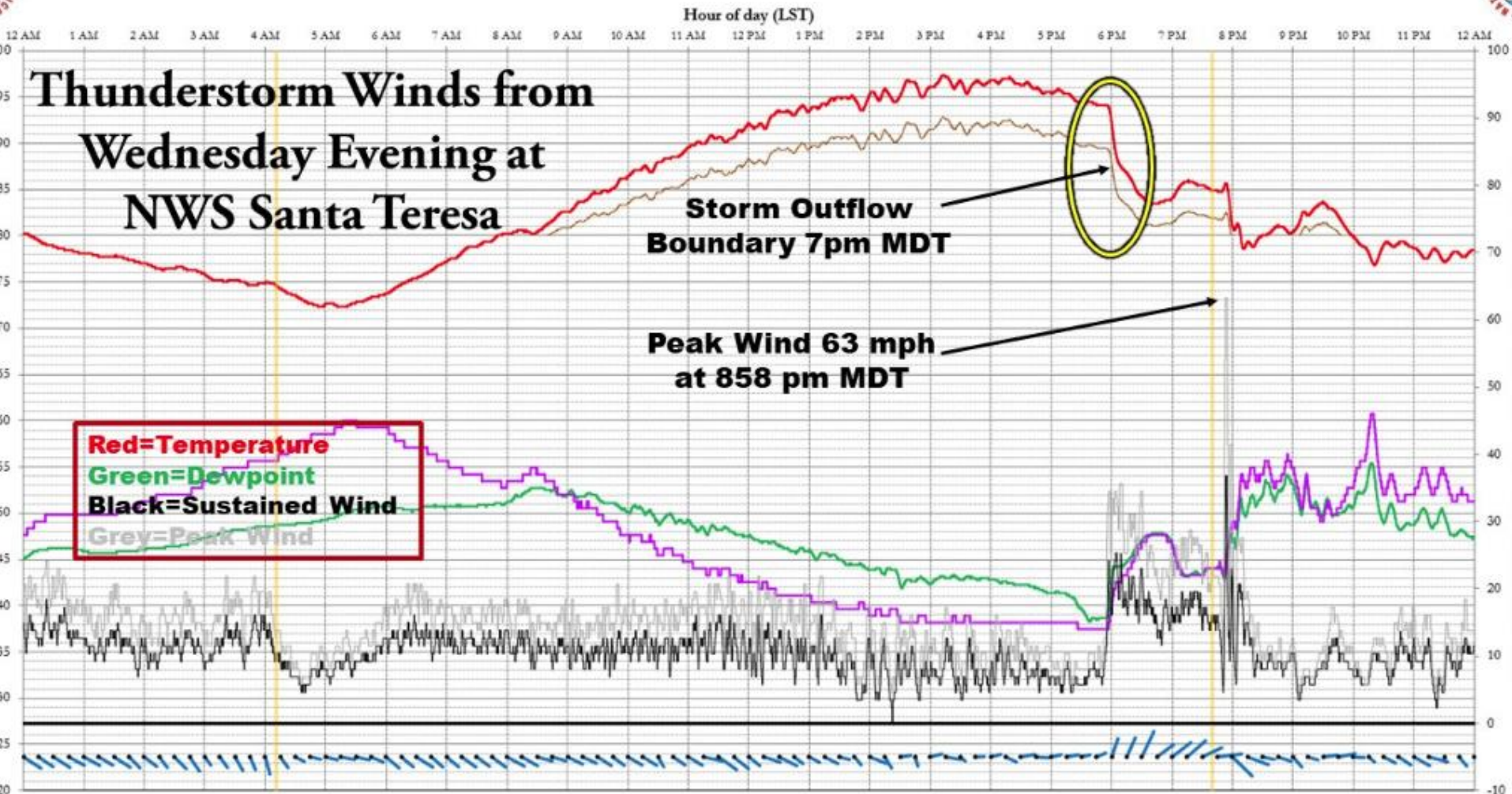
**June 24 Hail near Winston**





# June 24 Thunderstorm Outflow Reaching NWS Santa Teresa Office

WFO Santa Teresa, NM RSOIS Data (6/24/2020)





**ENSO conditions are neutral. Alert system is not active**

## **ENSO Alert System**

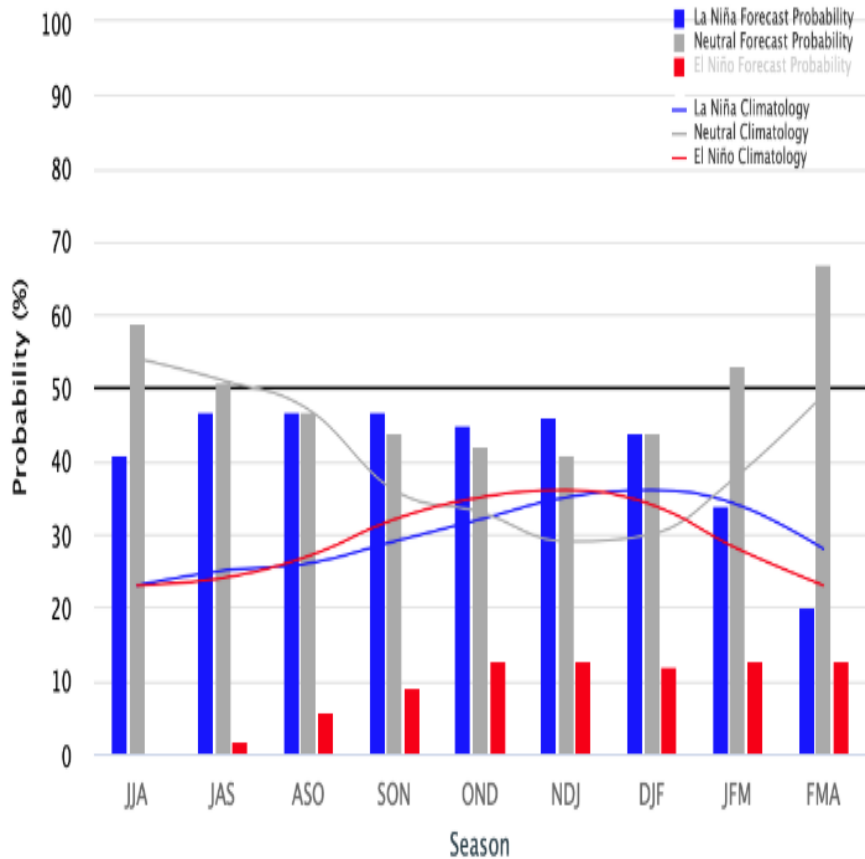
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

# ENSO Forecast

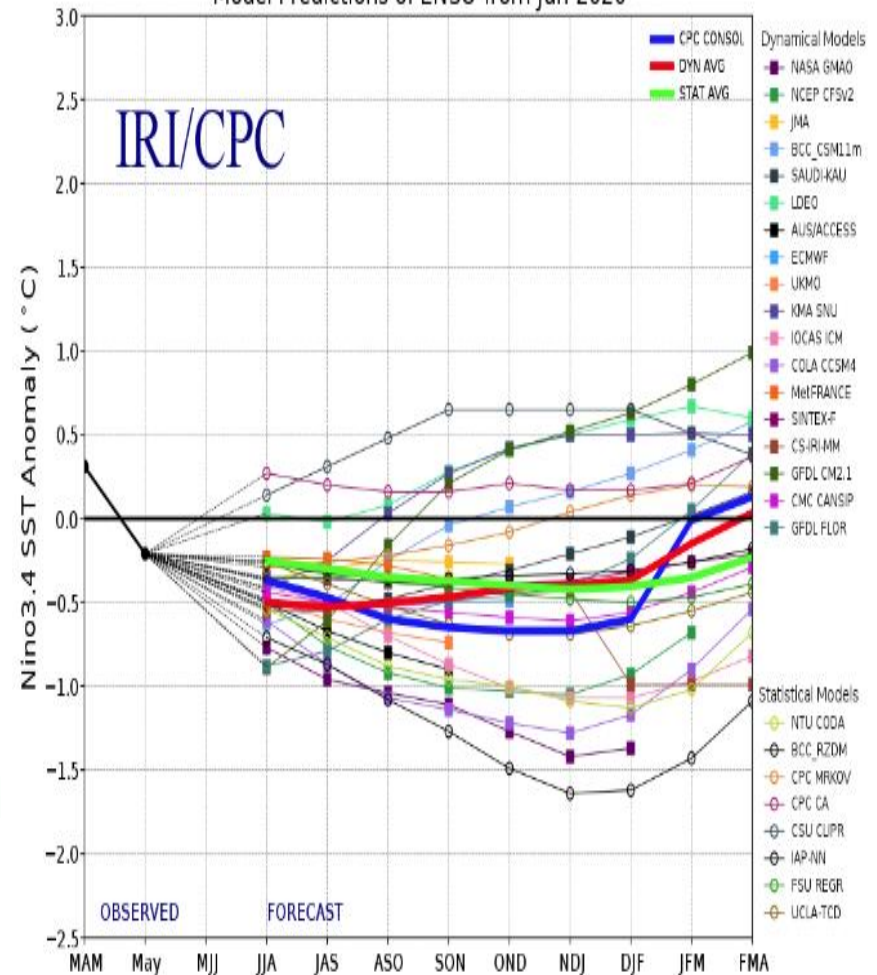
ENSO is now in a neutral phase and is expected to remain that way into this winter

Mid-June 2020 IRI/CPC Model-Based Probabilistic ENSO Forecasts

ENSO state based on NINO3.4 SST Anomaly  
Neutral ENSO:  $-0.5^{\circ}\text{C}$  to  $0.5^{\circ}\text{C}$



Model Predictions of ENSO from Jun 2020

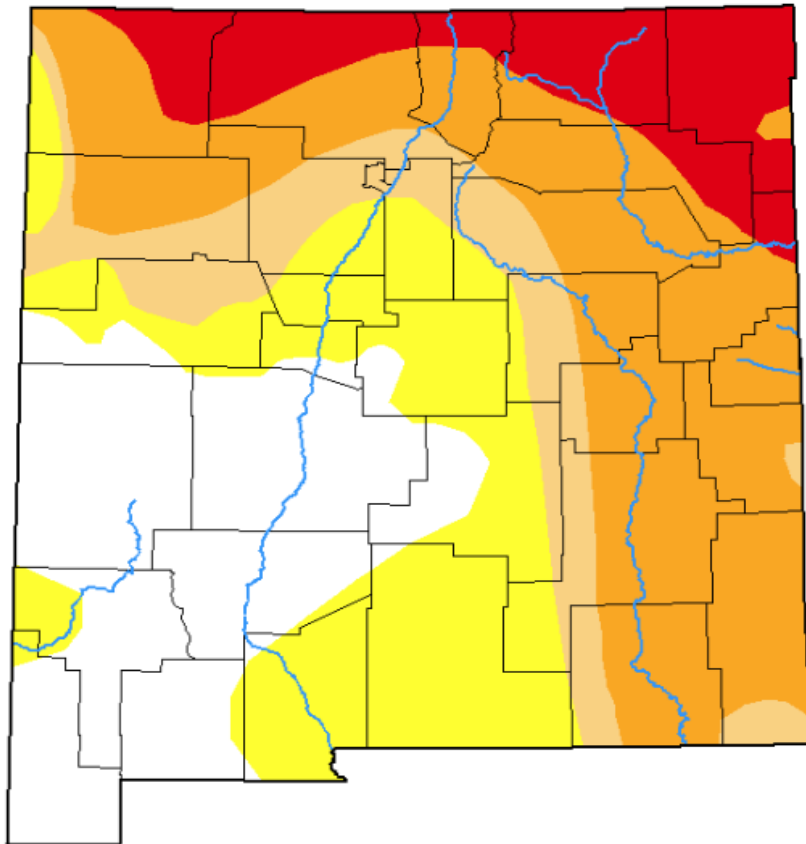




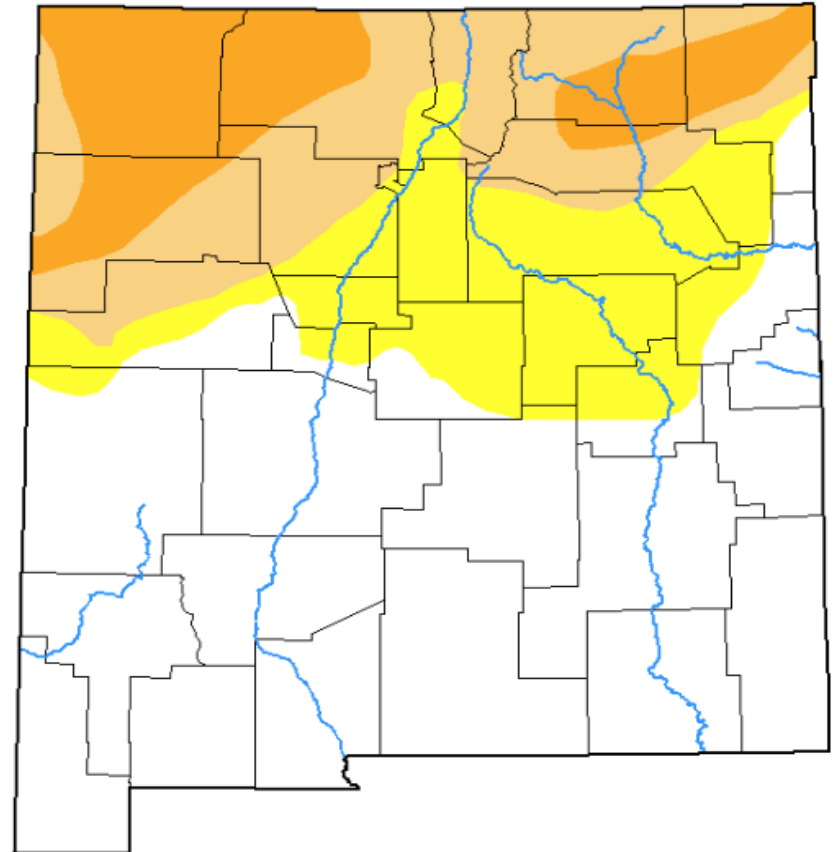
# Current drought conditions for New Mexico and 3 month change

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

**June 23 , 2020**








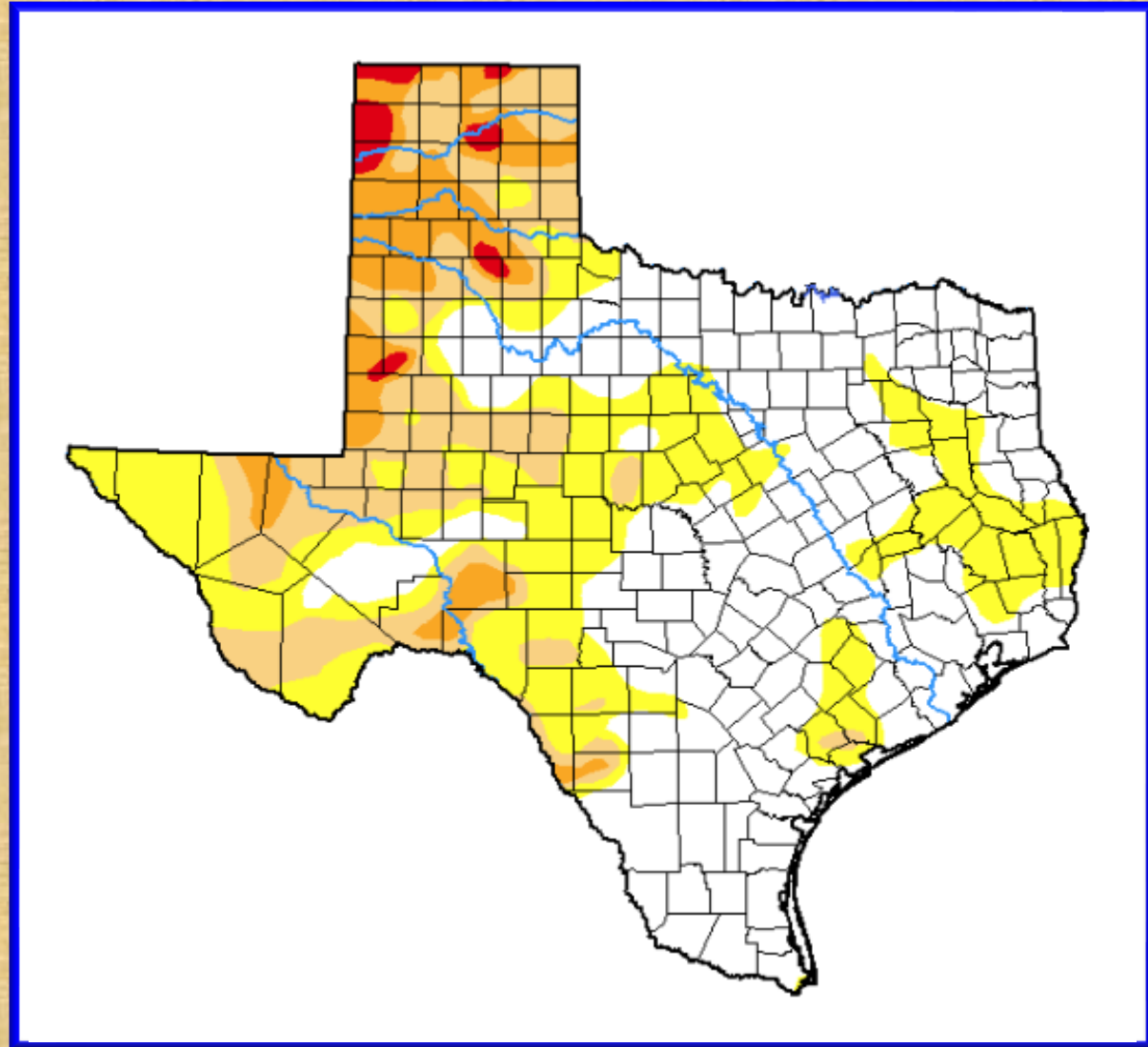
**March 31 , 2020**



# Current drought conditions for Texas as of June , 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:**

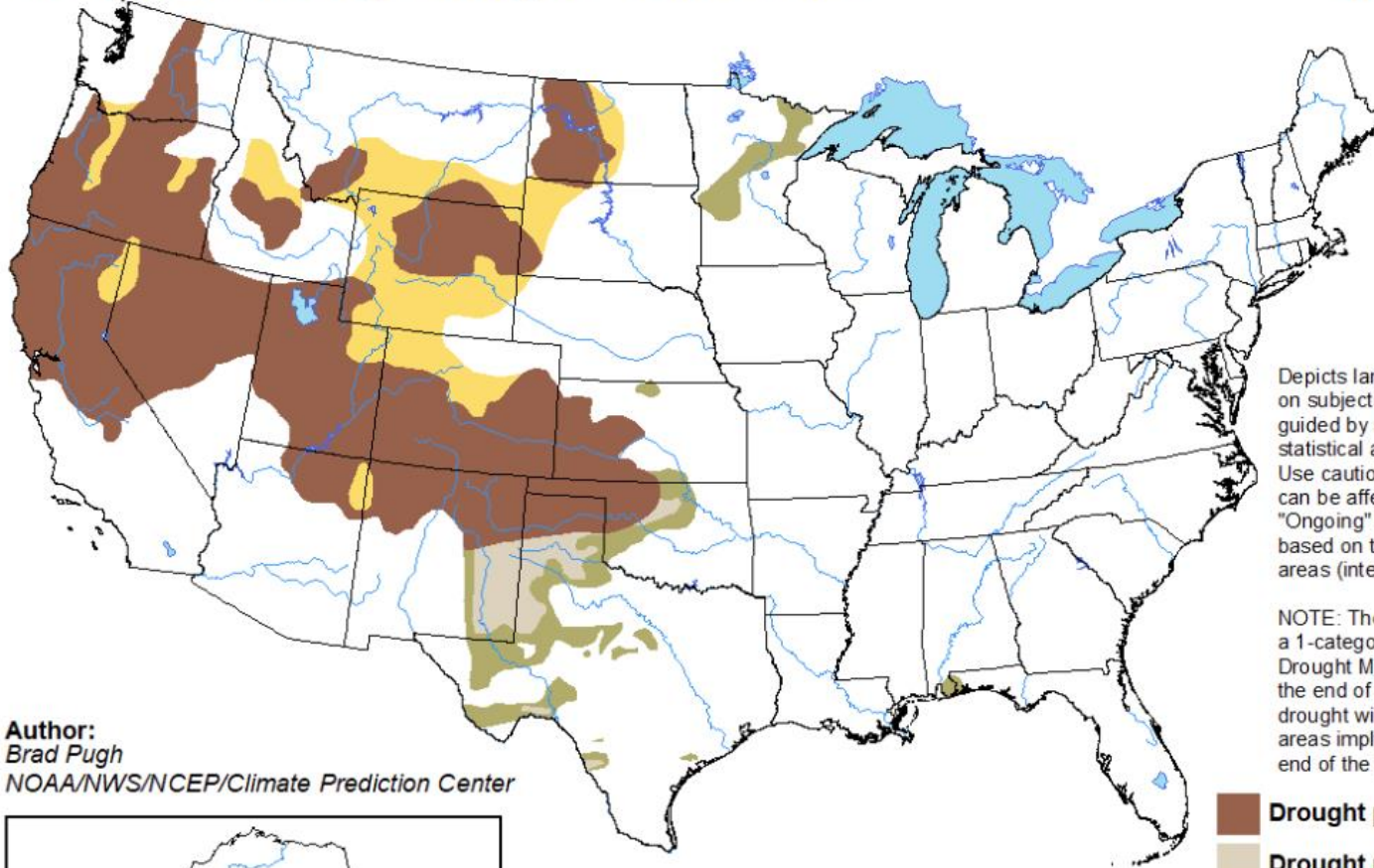
**<http://droughtmonitor.unl.edu/Maps/ComparisonSlider.aspx>**



# U.S. Seasonal Drought Outlook




## Drought Tendency During the Valid Period

Valid for June 18 - September 30, 2020  
Released June 18

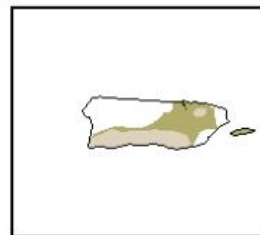
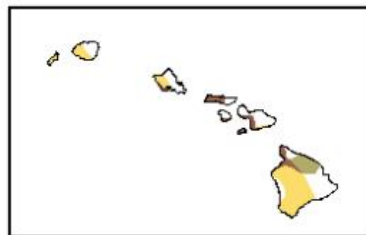


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

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

Author:  
Brad Pugh  
NOAA/NWS/NCEP/Climate Prediction Center



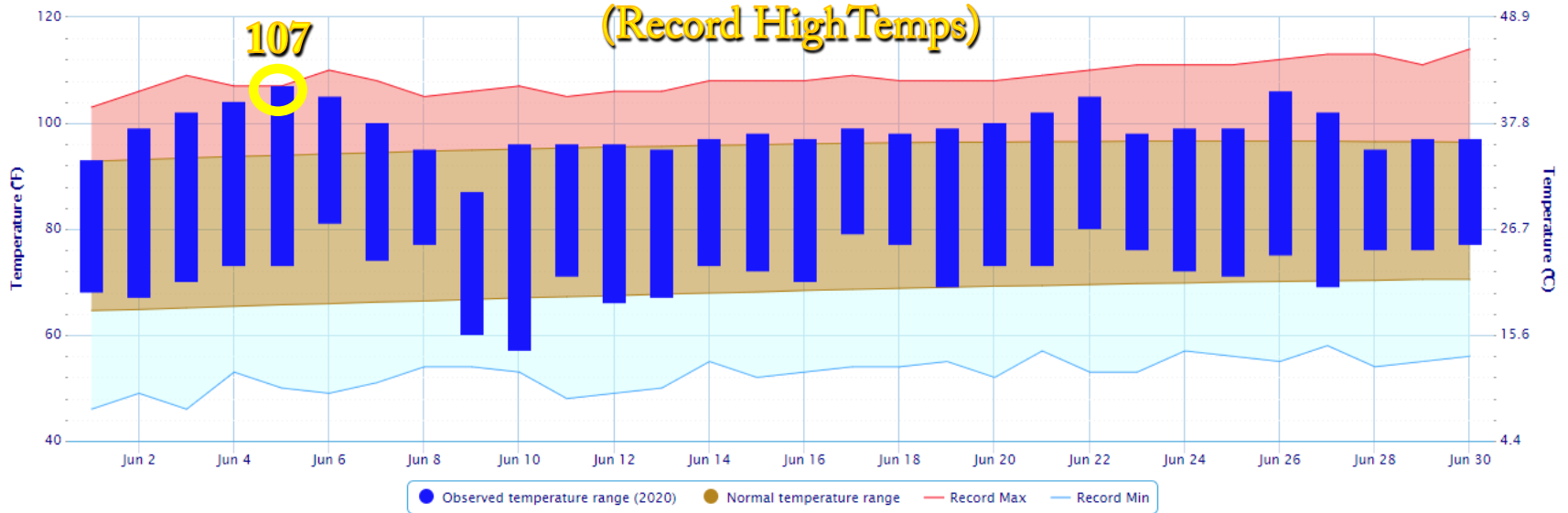
<http://go.usa.gov/3eZ73>

# Temperature and precipitation data for June 2020 in El Paso

○ = record

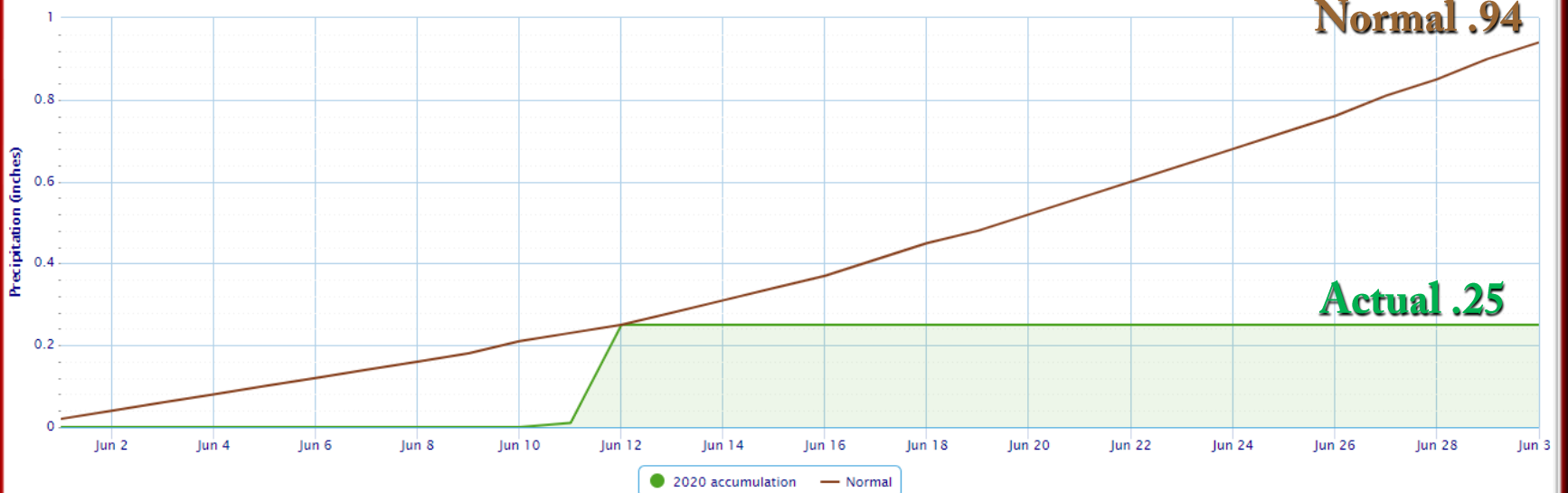
Daily Temperature Data – El Paso Area, TX (ThreadEx)

Period of Record – Max temperature: 1887-01-01 to 2020-06-30; Min temperature: 1879-01-01 to 2020-06-30. 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

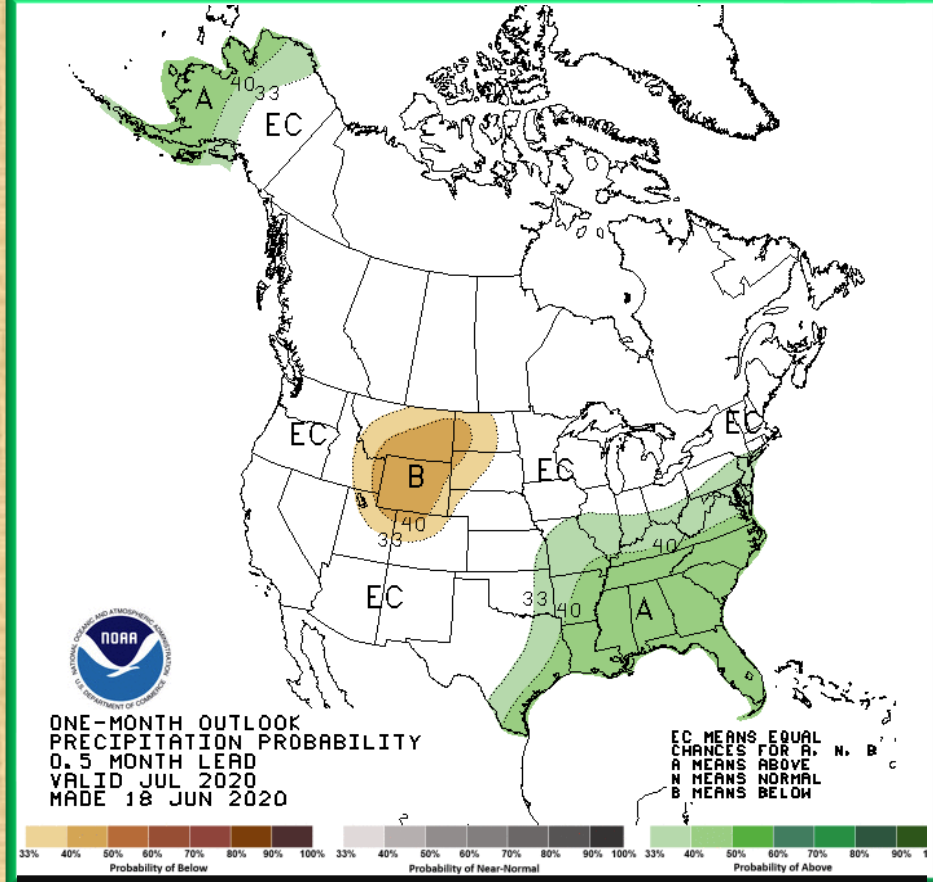
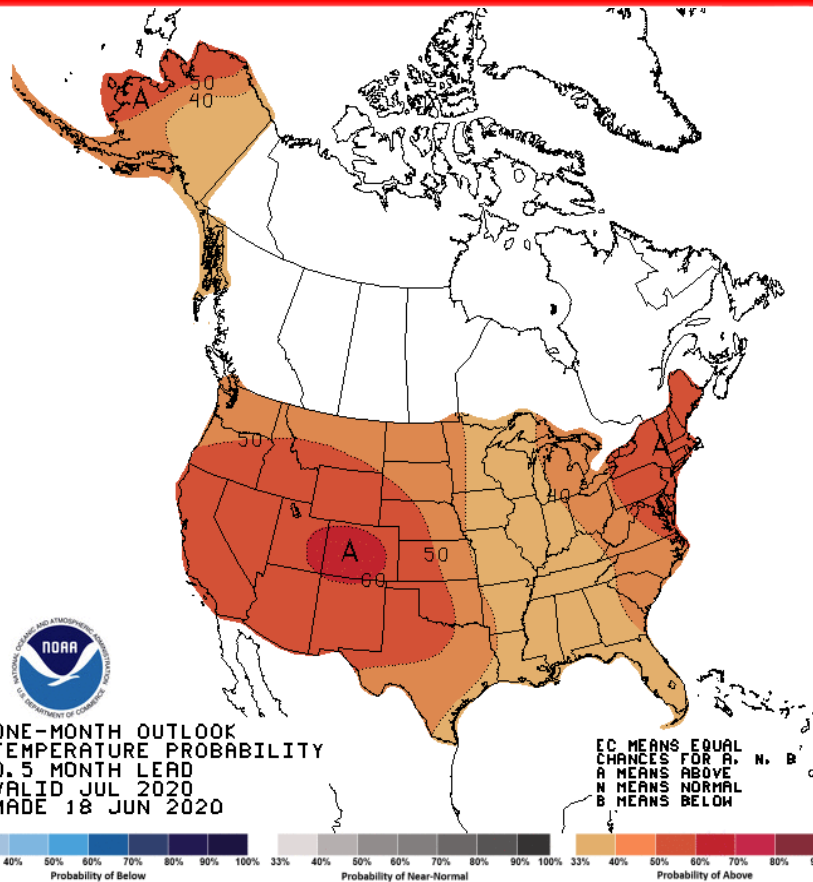




# Temperature and precipitation outlook for July 2020

## Temperature

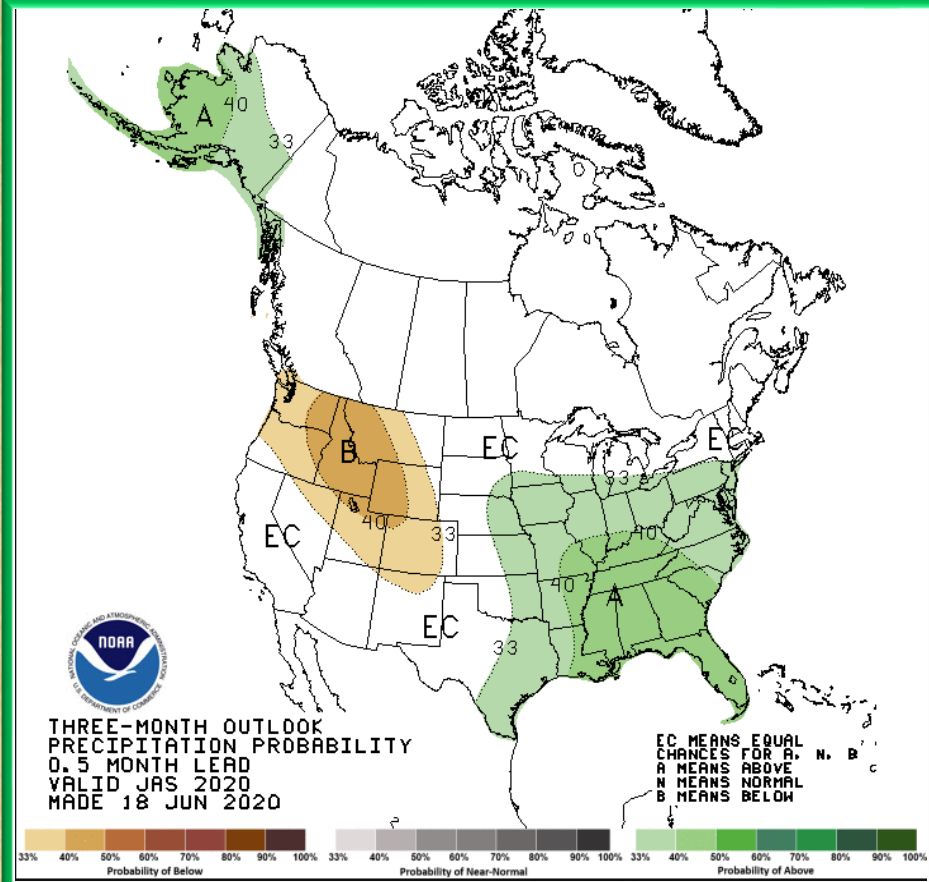
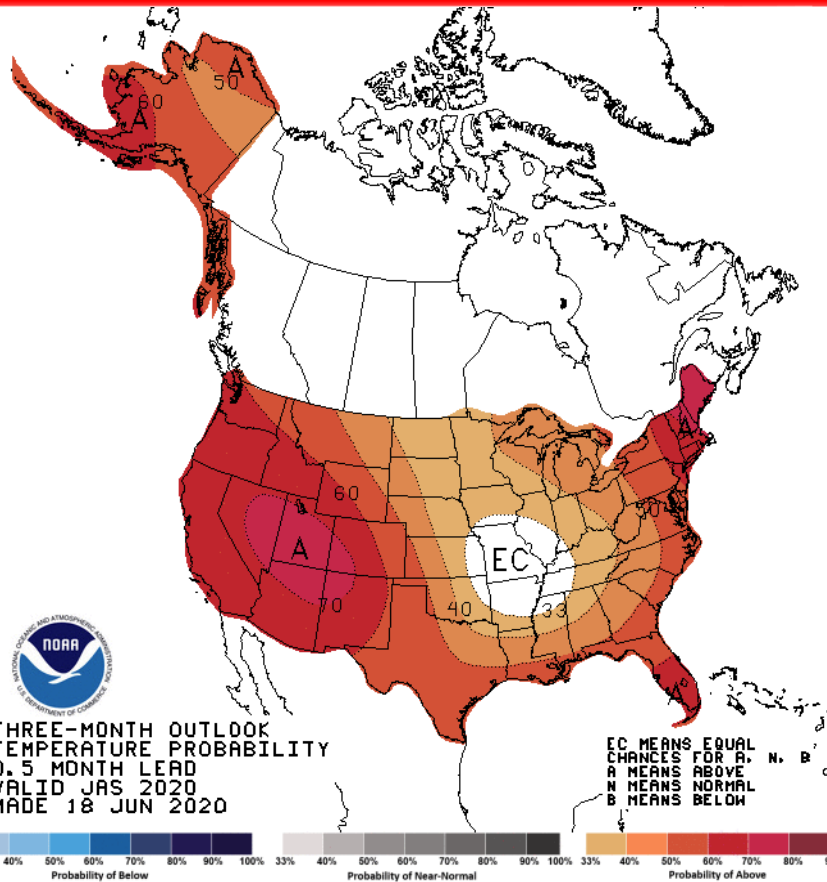
## Precipitation



# Temperature and precipitation outlook For July-September 2020

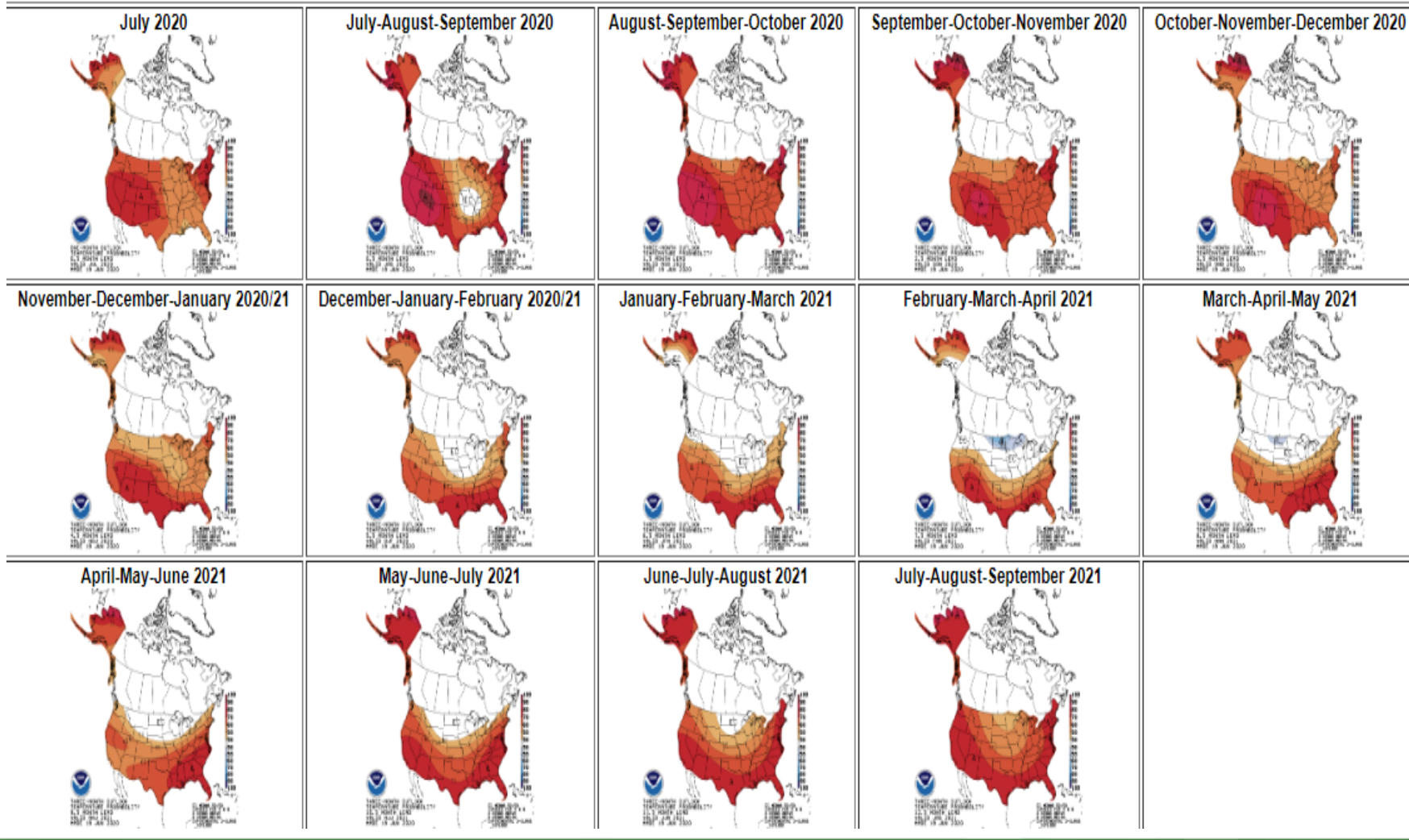
## Temperature

## Precipitation



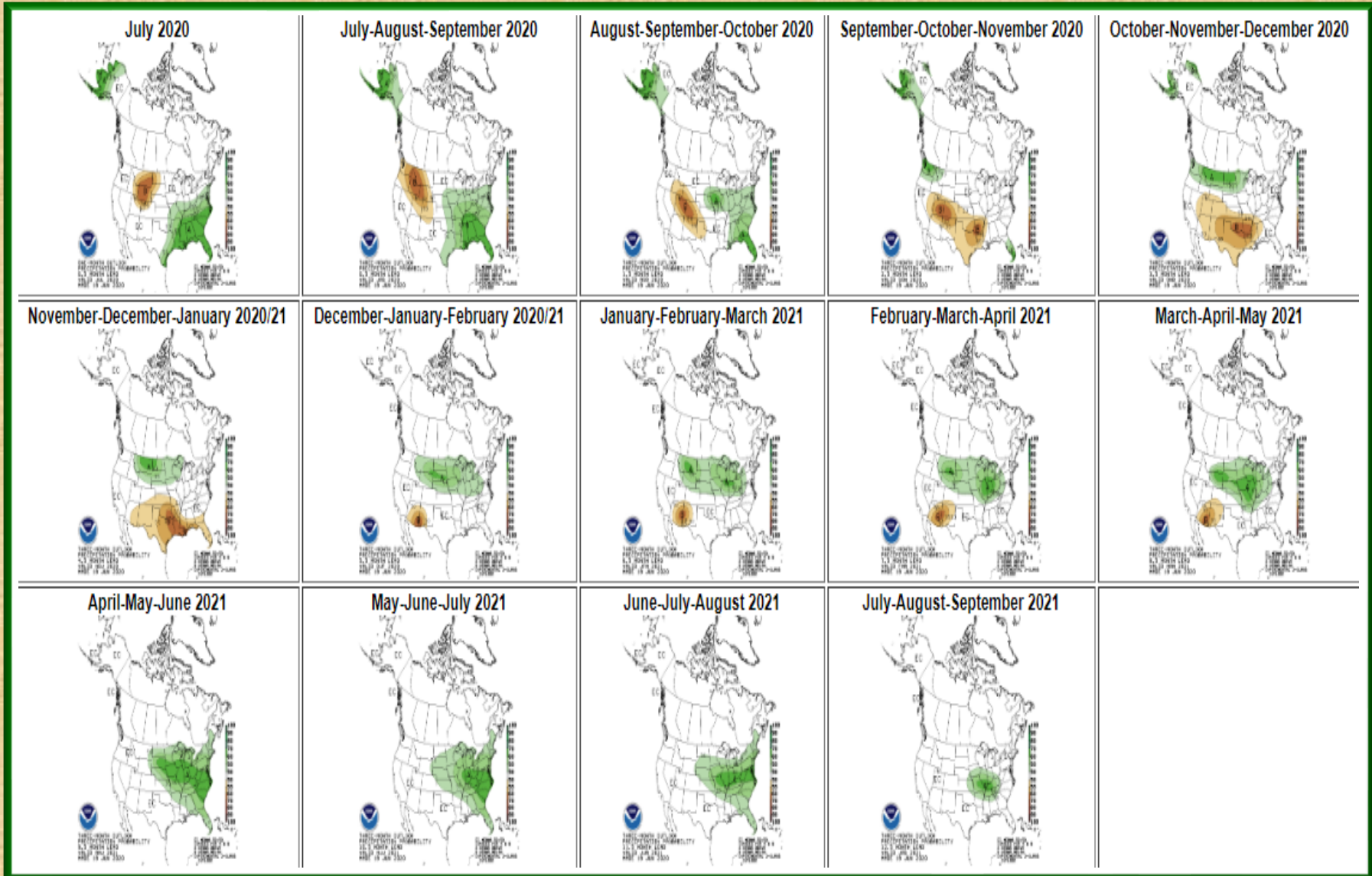
# Temperature Outlook Through September 2021

## Temperature





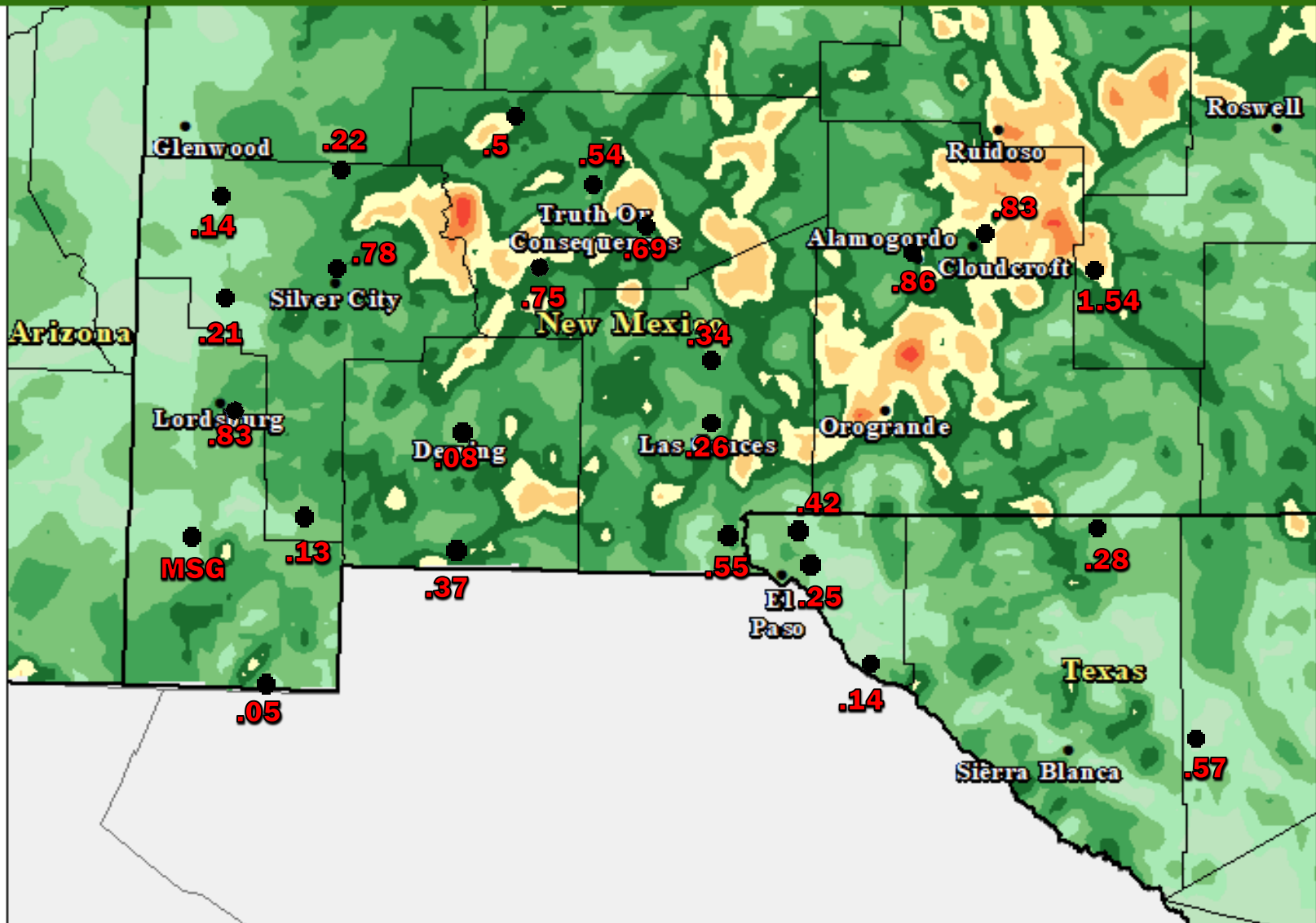
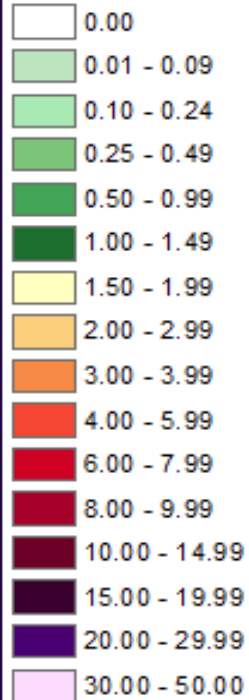
# Precipitation Outlook Through September 2021



# June 2020 radar rainfall estimate with surface rainfall reports

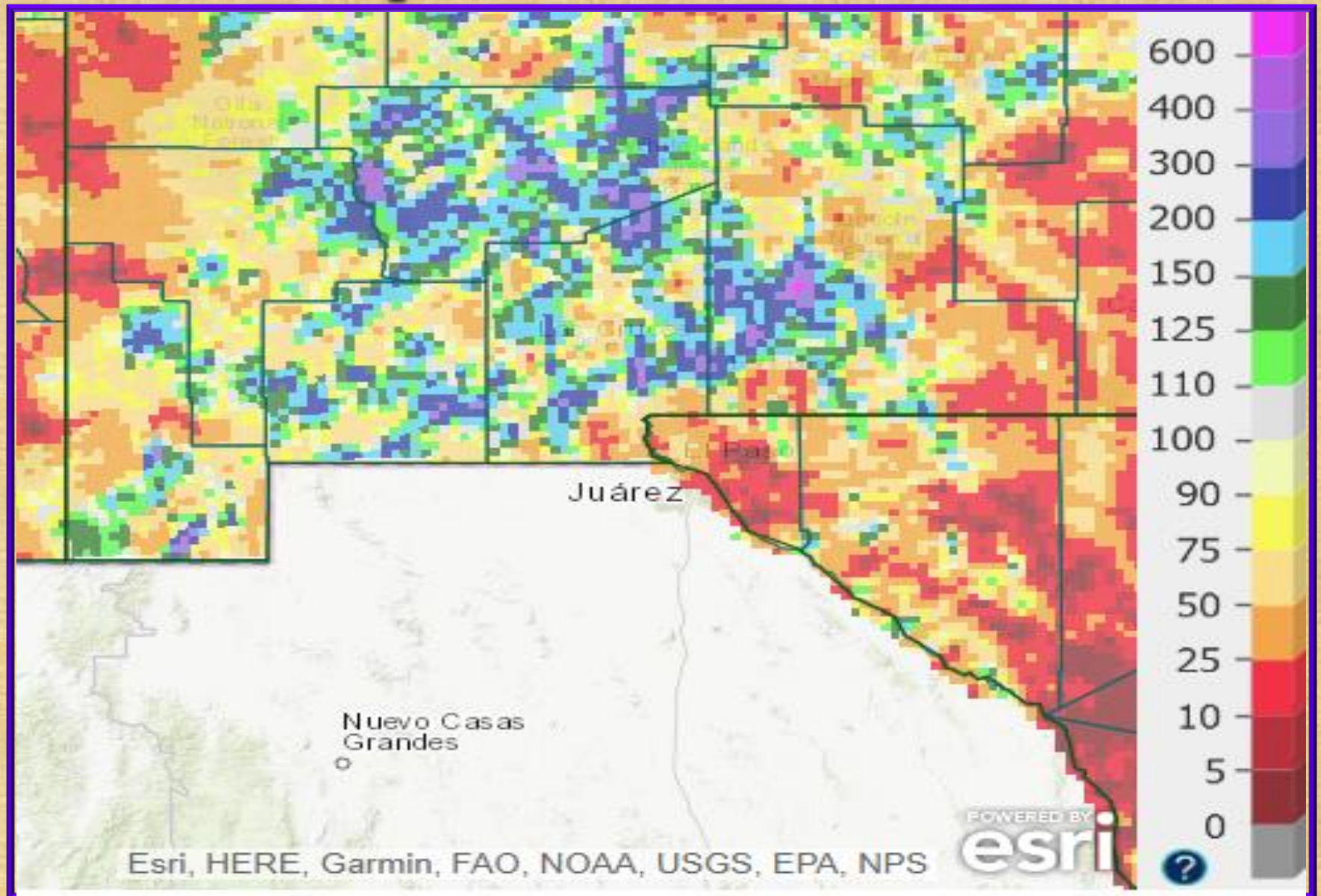
## Observed Precipitation To Date - June

### Inches



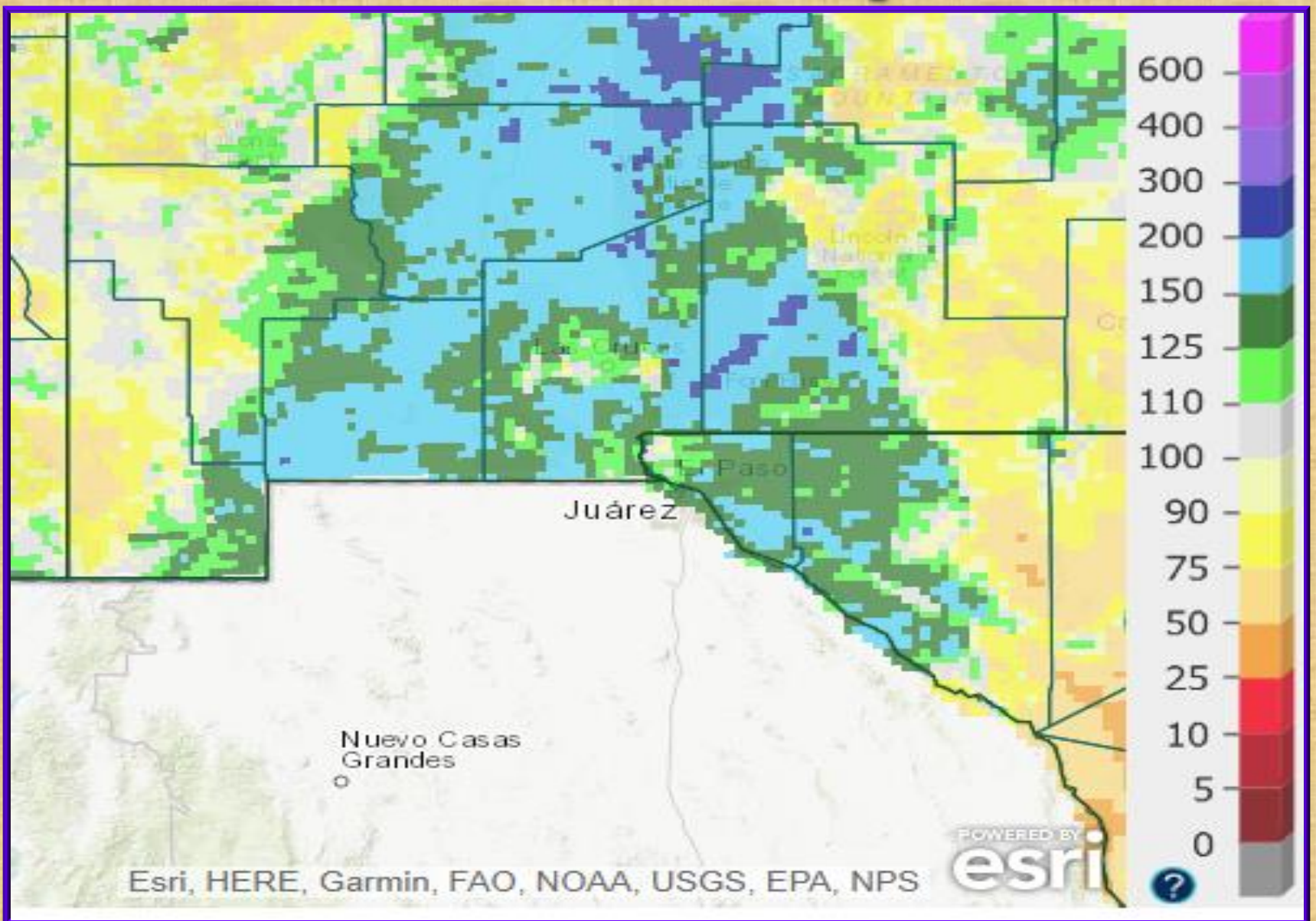


# June 2020 radar rainfall estimate percent of normal





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

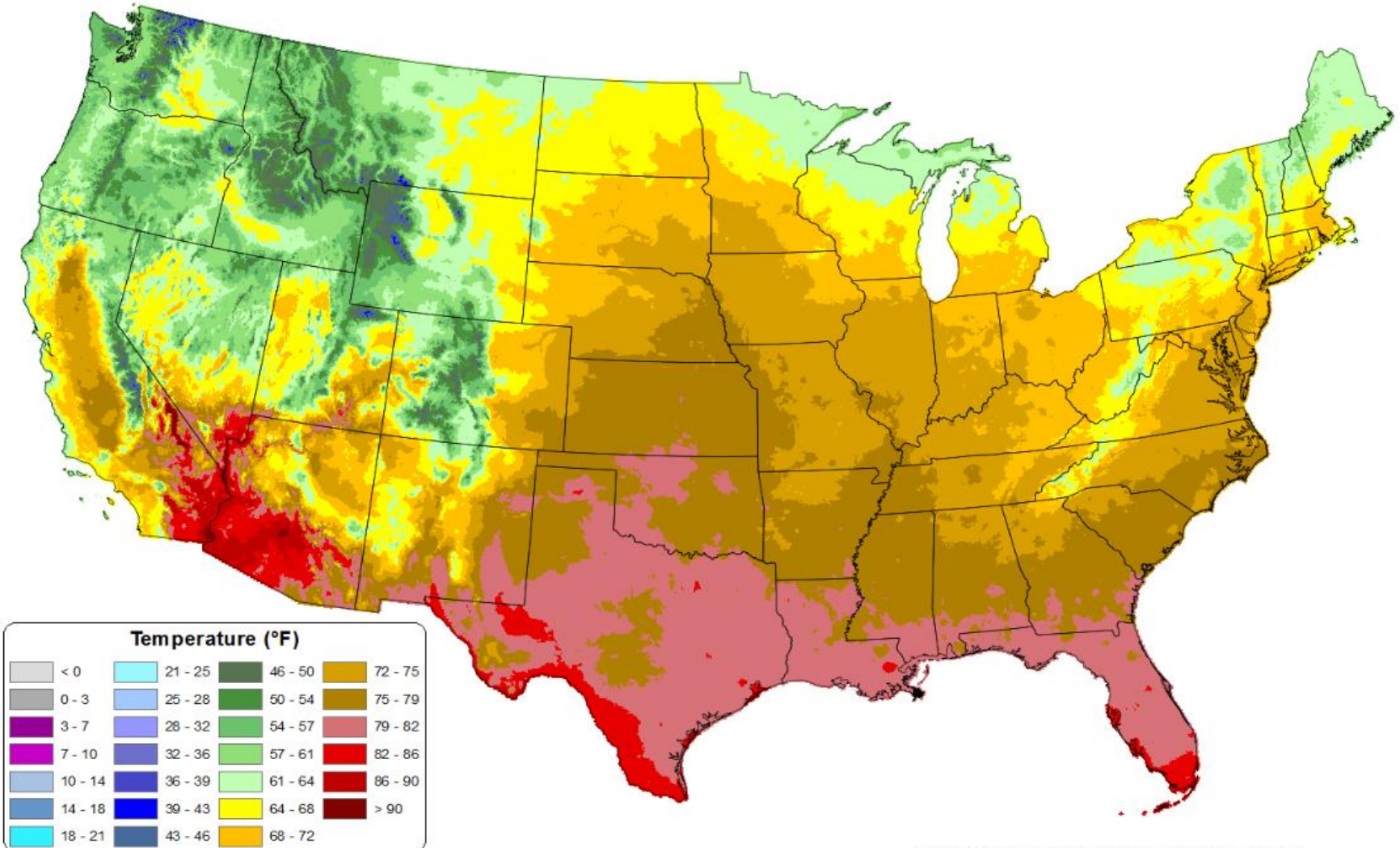


# Average Daily Mean Temperature for June 2020

**Average Daily Mean Temperature: Jun 2020**

Period ending 7 AM EST 30 Jun 2020

(Map created 02 Jul 2020)

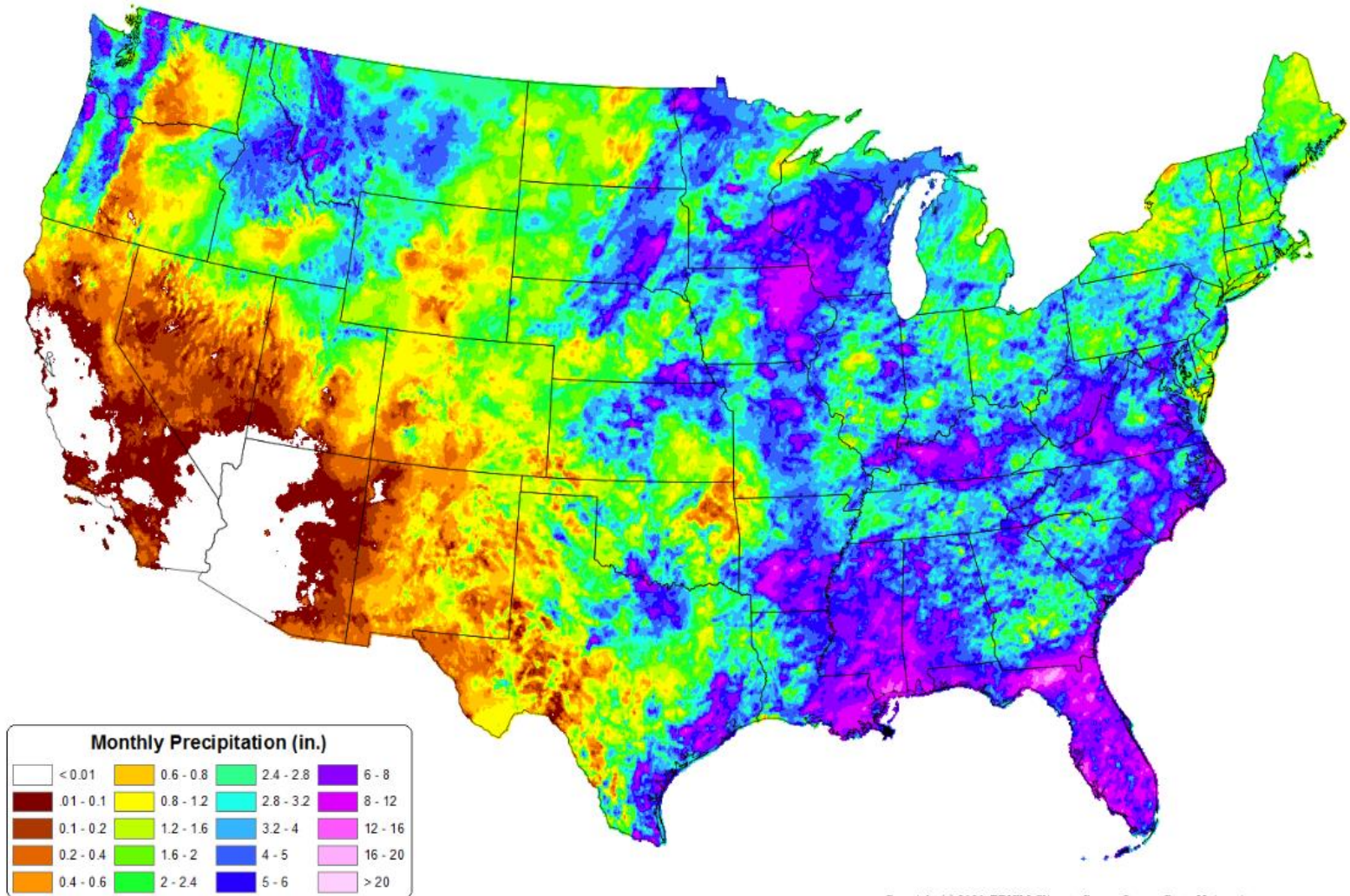




# Total Precipitation for June 2020

**Total Precipitation: Jun 2020**

Period ending 30 Jun 2020  
(Map created 02 Jul 2020)

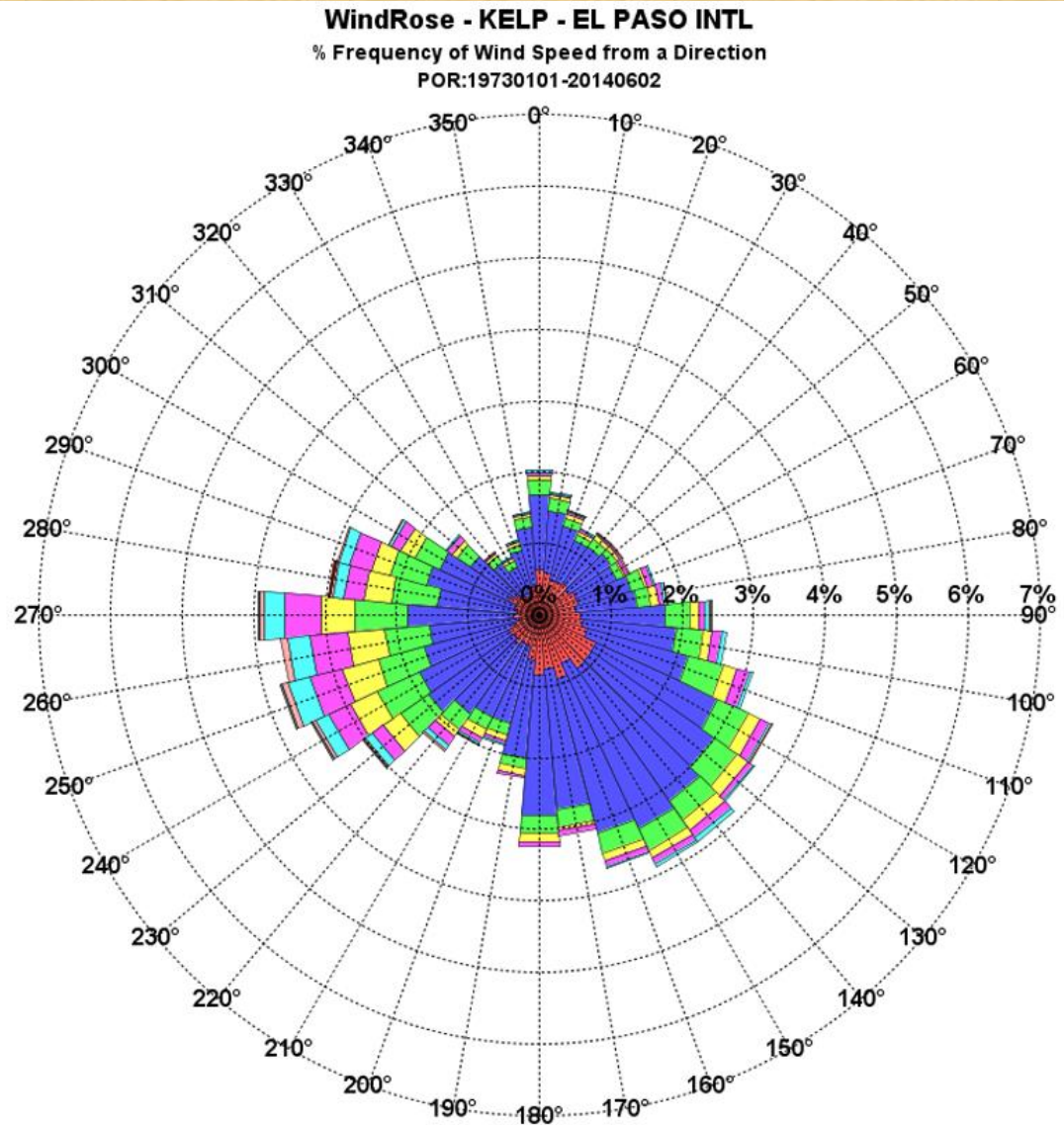




# Special Features

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

Month: JUNE  
Calm: 8.00%  
Variable: 3.55%



# Selected weather reports June 2020

<b>Date/Time</b>	<b>Location (County)</b>	<b>Event</b>
JUN 11 736 PM	DEMING AP-LUNA	59 MPH TSTM GUST
JUN 13 334 PM	LORDSBURG 1SW-HIDALGO	1.00 INCH HAIL
JUN 23 635 PM	WHITE SANDS-OTERO	68 MPH TSTM GUST
JUN 23 635 PM	ALAMOGORDO 15 SW-OTERO	68 MPH TSTM GUST
JUN 23 630 PM	HIGH ROLLS-OTERO	64 MPH TSTM GUST
JUN 23 645 PM	ALAMOGORDO-OTERO	62 MPH TSTM GUST
JUN 24 300 PM	MAYHILL-OTERO	1.00 INCH HAIL
JUN 24 853 PM	SANTA TERESA NWS-DONA ANA	63 MPH TSTM GUST
JUN 24 445 PM	SPACEPORT-SIERRA	59 MPH TSTM GUST
JUN 24 610 PM	SAN AUGUSTIN PASS-DONA ANA	54 MPH TSTM GUST
JUN 25 315PM	WINSTON-SIERRA	.75 INCH HAIL

# Selected weather reports June 2020

<b>Date/Time</b>	<b>Location (County)</b>	<b>Event</b>
JUN 26 1054 PM	HOLLOMAN AFB-OTERO	67 MPH TSTM GUST
JUN 26 510 PM	TULAROSA 9W-OTERO	58 MPH TSTM GUST



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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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
<a href="#">January</a>	2005 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">February</a>	2006 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">March</a>	2007 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">April</a>	2008 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">May</a>	2009 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">June</a>	2010 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">July</a>	2011 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">August</a>	2012 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">September</a>	2013 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">October</a>	2014 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">November</a>	
<a href="#">December</a>	



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

