

February 2020 Weather Digest



February 2020 Weather Summary

February ended up being a wetter than normal month and with the excessive amount of clouds, it was also a cooler than normal February. Most of the area east of the Continental Divide was above normal with the monthly rainfall, with many of the places reporting over twice the normal amount of rainfall. Most of this rain fell in the first half of the month, when several Pacific storms moved across the area. One particular storm moved through the area beginning on the 10th and 11th, bringing thunderstorms and several reports of small hail to the area. Then as it passed the area on the 12th, it produced moderate snowfall for the mountains, and an unusual heavy band of snow across the lowlands extending from Deming to Truth or Consequences. Several sites within this band reported 5 to 7 inches of snow.

Temperatures on the whole were cooler than normal thanks to the persistent cloud cover. Most of this was due to high temperatures being several degrees below normal.

Looking ahead to March, the warming trend continues. At El Paso the average high on the first is 67 degrees, warming to 74 degrees on the last day

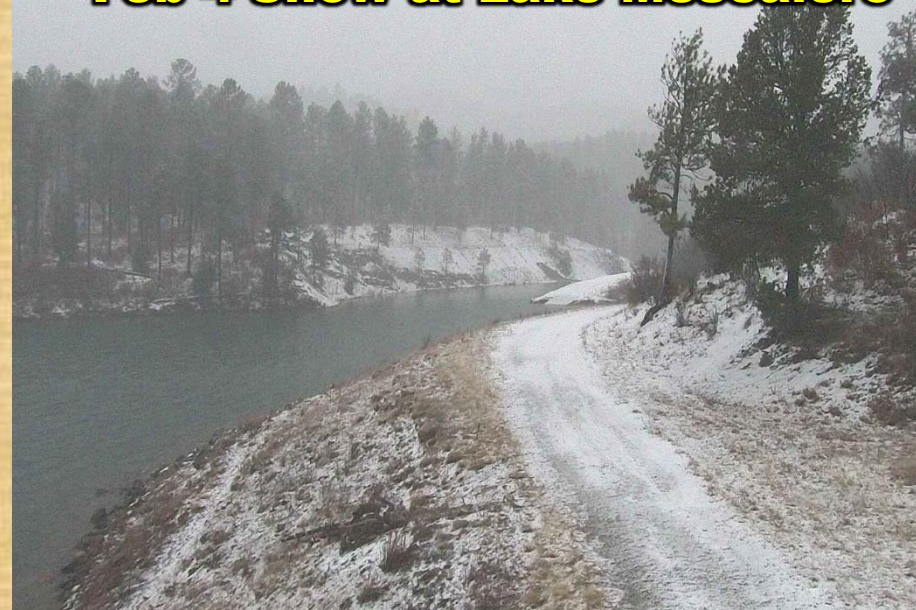
February 2020 Weather Summary, cont'd

of the month. March begins the stretch of the 3 driest months of the year for much of the area. El Paso averages .29 of an inch of rain for the month, while the mountains in Cloudcroft averages 1.27 of an inch of precipitation. The daylight continue to lengthen with 11 hours and 36 minutes on the first, and 12 hours and 30 minutes on the last day of the month. Important dates during March include: Daylight Savings Time March 8 (Advance clocks 1 hour), Spring Equinox March 19, Full Moon March 9, and New Moon March 24.

Feb 4 Snow in Cloudcroft



Feb 4 Snow at Lake Mescalero



BTImberon Development Council 02/04/2020 14:45:59

Feb 4 Snow at Timberon



Feb 5 Snow in El Paso



Feb 5 Snow in El Paso



Feb 5 Snow in El Paso



Feb 5 Snow in El Paso



02-05-2020 Wed 07:44:45

Feb 5 Snow in Santa Teresa



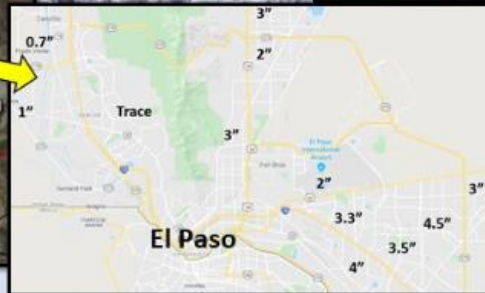
Feb 5 Snow at Ysleta



Borderland Snow Reports



This is just the snowfall totals that we have received so far. If there are any other reports outside of the represented areas, let us know!



NWSEl Paso, TX

Feb 10 Rainbow



Feb 11 Snow near Caballo



Feb 11 Snow in the Franklin Mtns



Feb 11 Snow at NMSU in Las Cruces



Feb 11 Snow in Cloudcroft



Feb 11 Snow in Silver City



Feb 11 Snow on Trans Mountain Road



ENSO conditions are neutral. Alert system is not active

ENSO Alert System

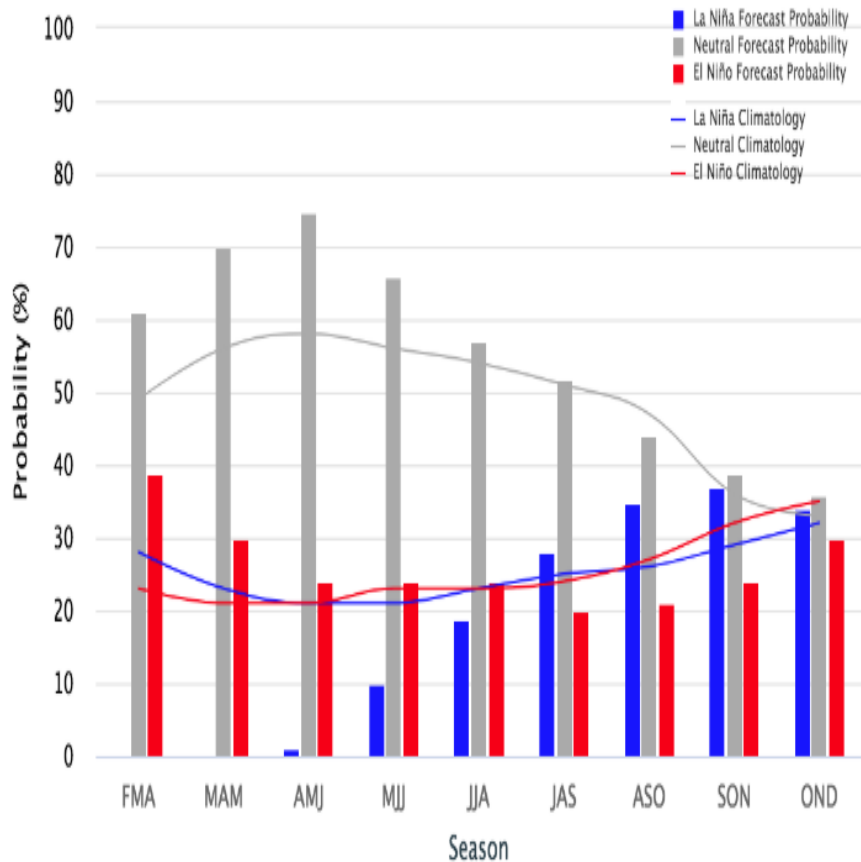
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

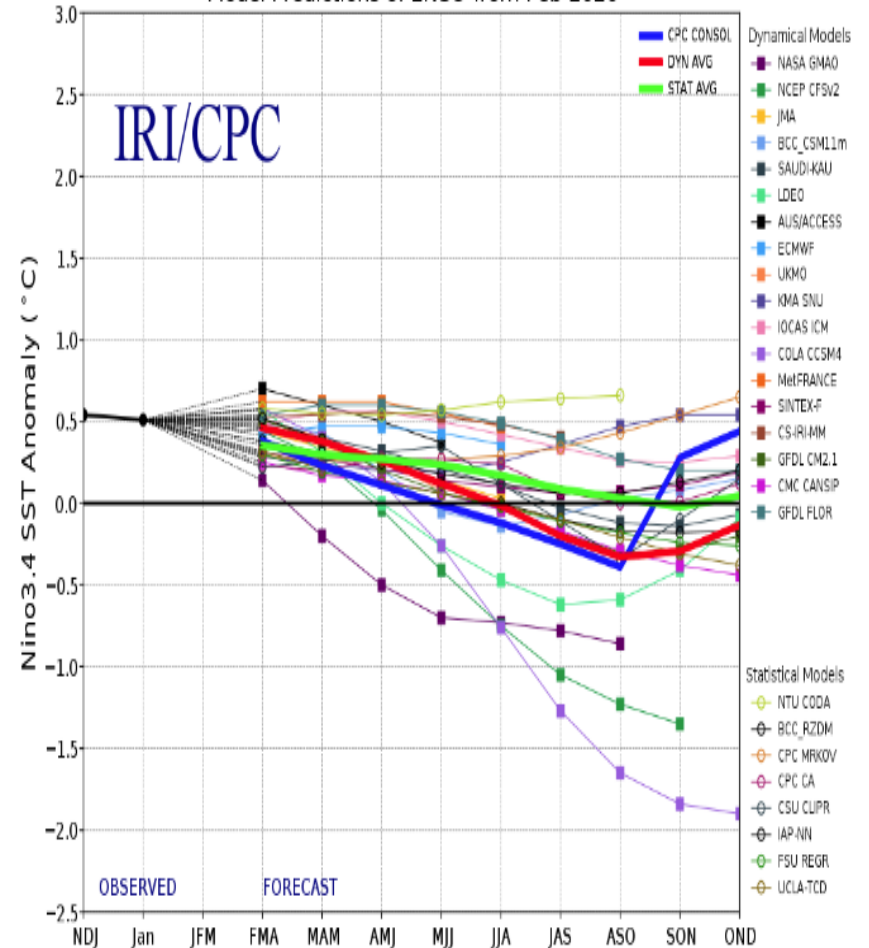
ENSO is now in a neutral phase and is expected to remain that way through at least this summer

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

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



Model Predictions of ENSO from Feb 2020

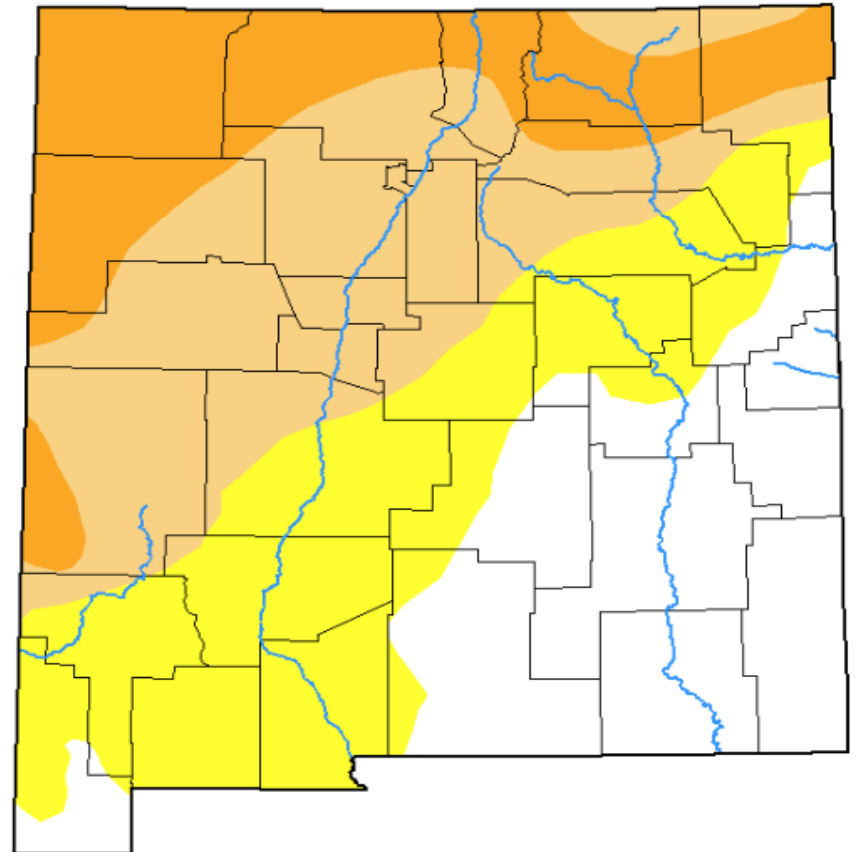
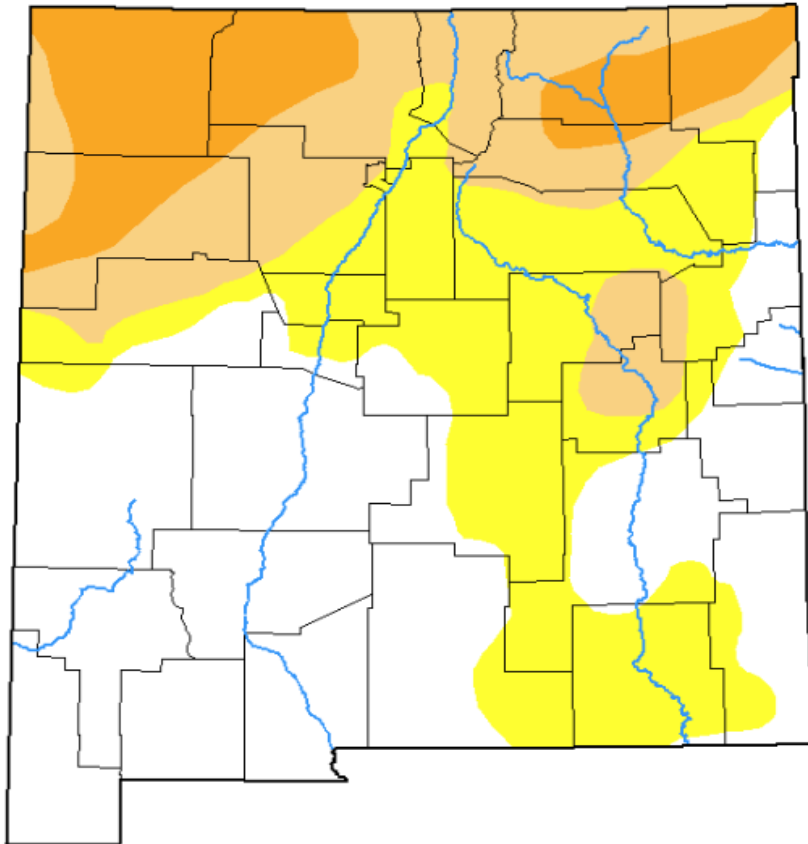


Current drought conditions for New Mexico and 3 month change

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






February 25, 2020

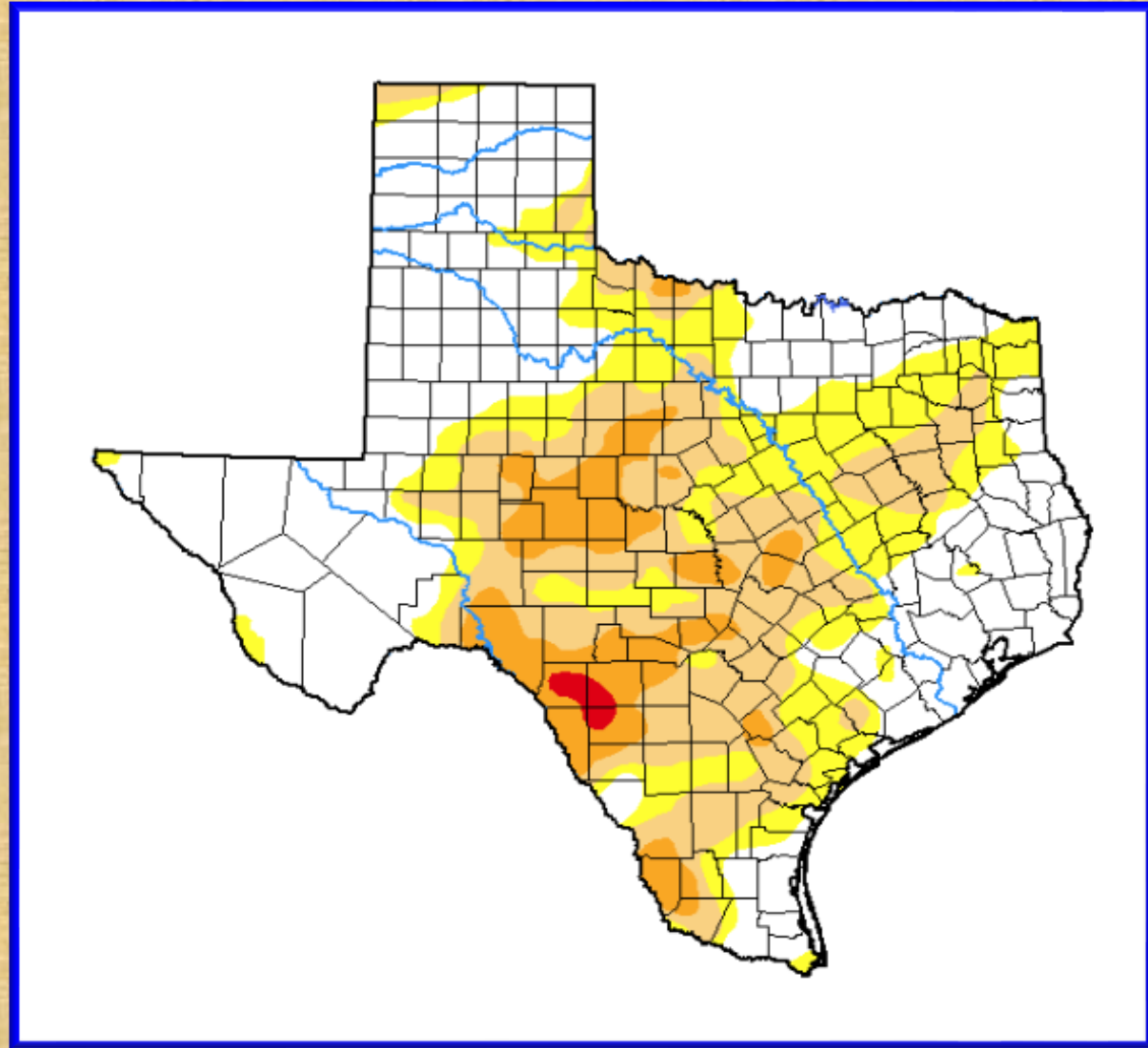
November 26, 2019



Current drought conditions for Texas as of February 25, 2020

Intensity:

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

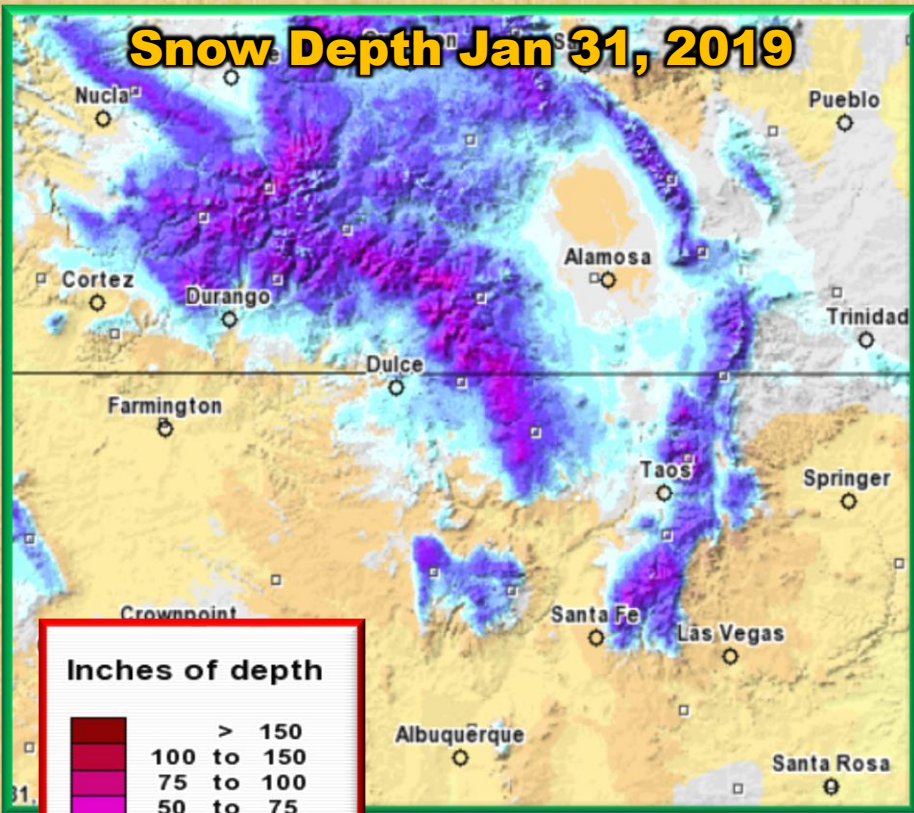


Build your own custom slider maps here at:

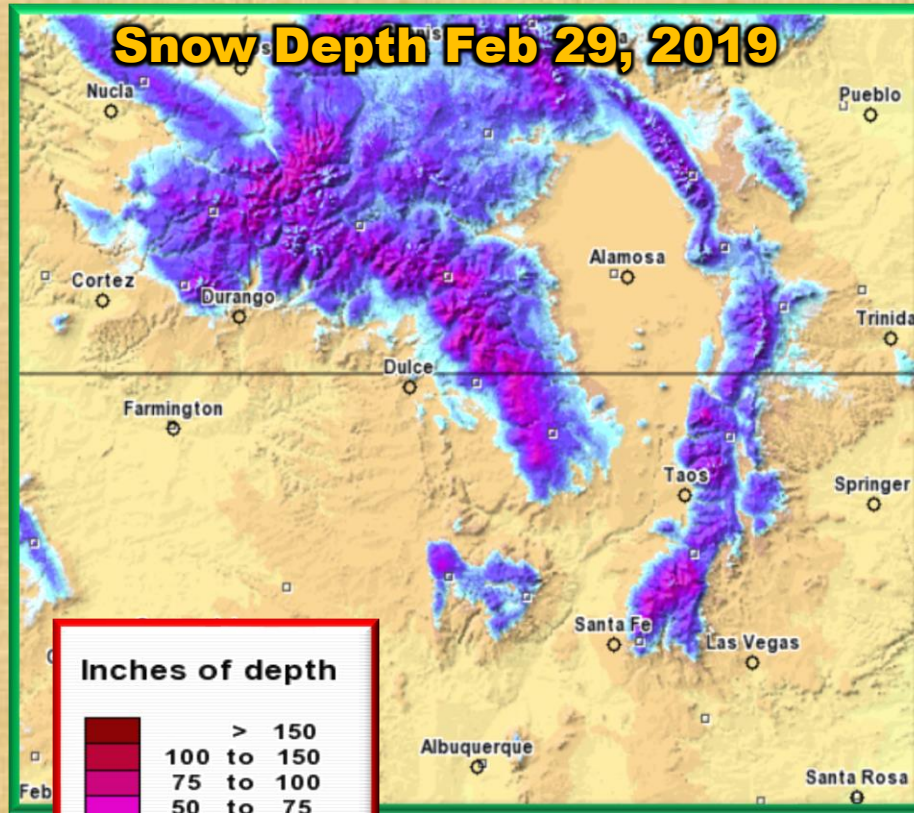
<http://droughtmonitor.unl.edu/Maps/ComparisonSlider.aspx>

Snow Data Upper Rio Grand Basin as of February 29, 2020

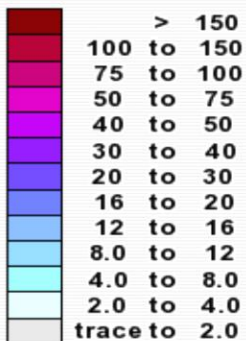
Snow Depth Jan 31, 2019



Snow Depth Feb 29, 2019

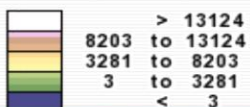


Inches of depth

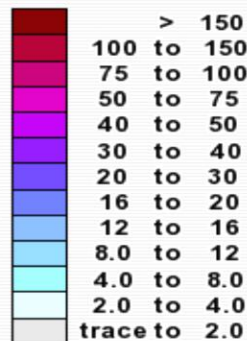


Not Estimated

Elevation in feet

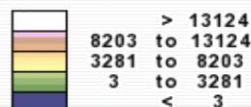


Inches of depth



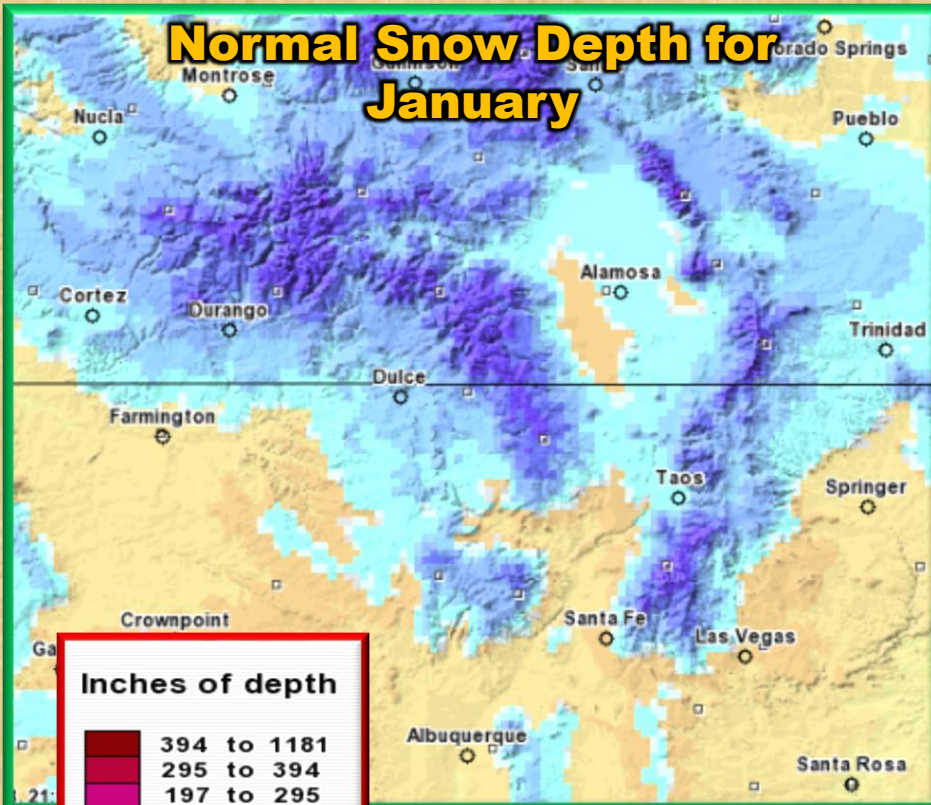
Not Estimated

Elevation in feet

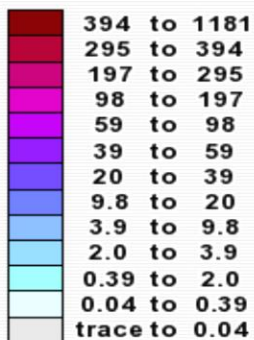


Snow Data Upper Rio Grand Basin as of February 29, 2020

Normal Snow Depth for January

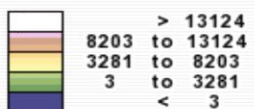


Inches of depth

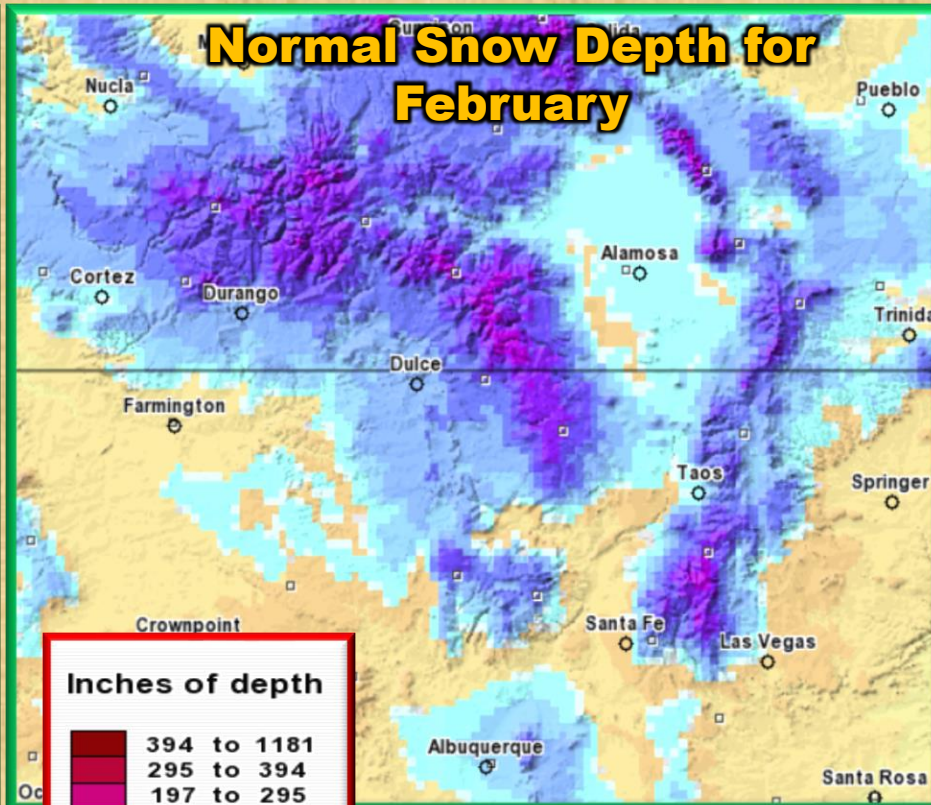


Not Estimated

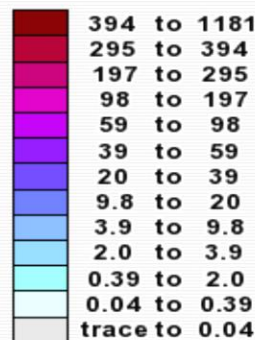
Elevation in feet



Normal Snow Depth for February

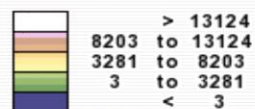


Inches of depth



Not Estimated

Elevation in feet

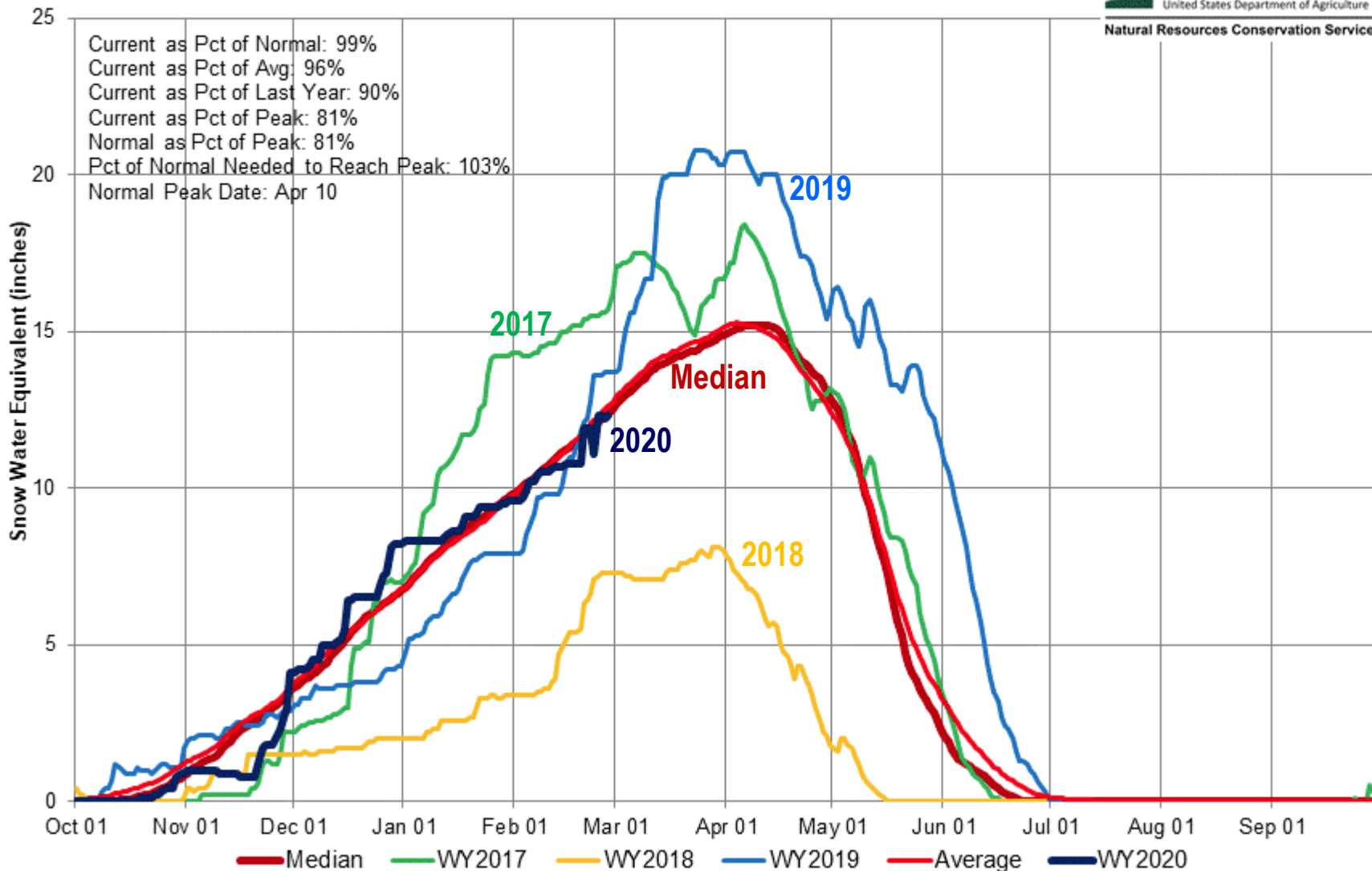


Snow Water Equivalent as of February 29, 2020

Compare to last few years and average values

Upper Rio Grande River Basin Time Series Snowpack Summary

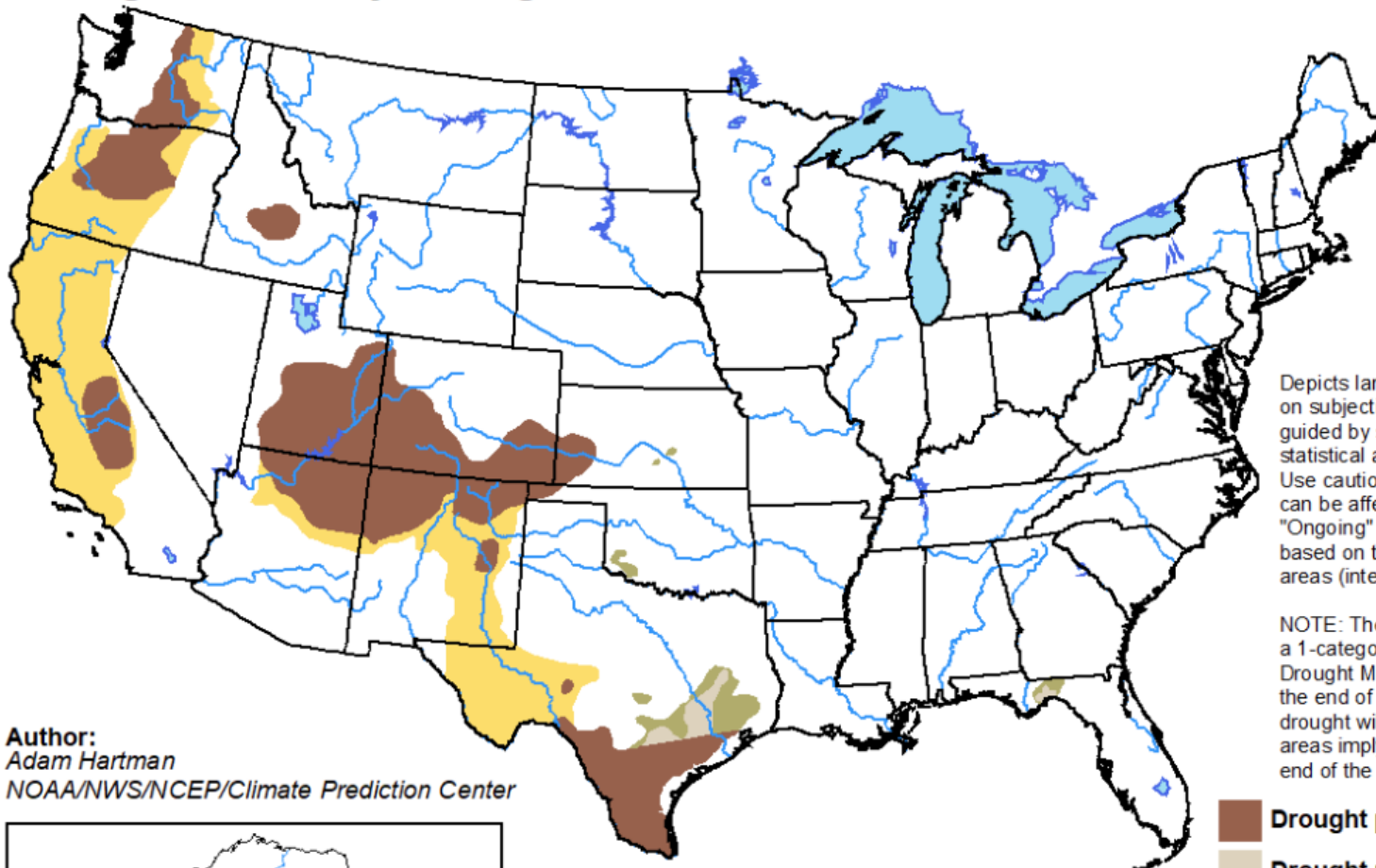
Based on Provisional SNOTEL data as of Feb 27, 2020



U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

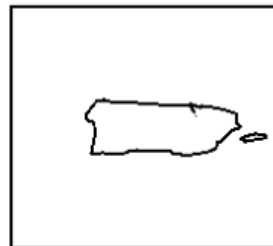
Valid for February 20 - May 31, 2020
Released February 20







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:
Adam Hartman
NOAA/NWS/NCEP/Climate Prediction Center



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

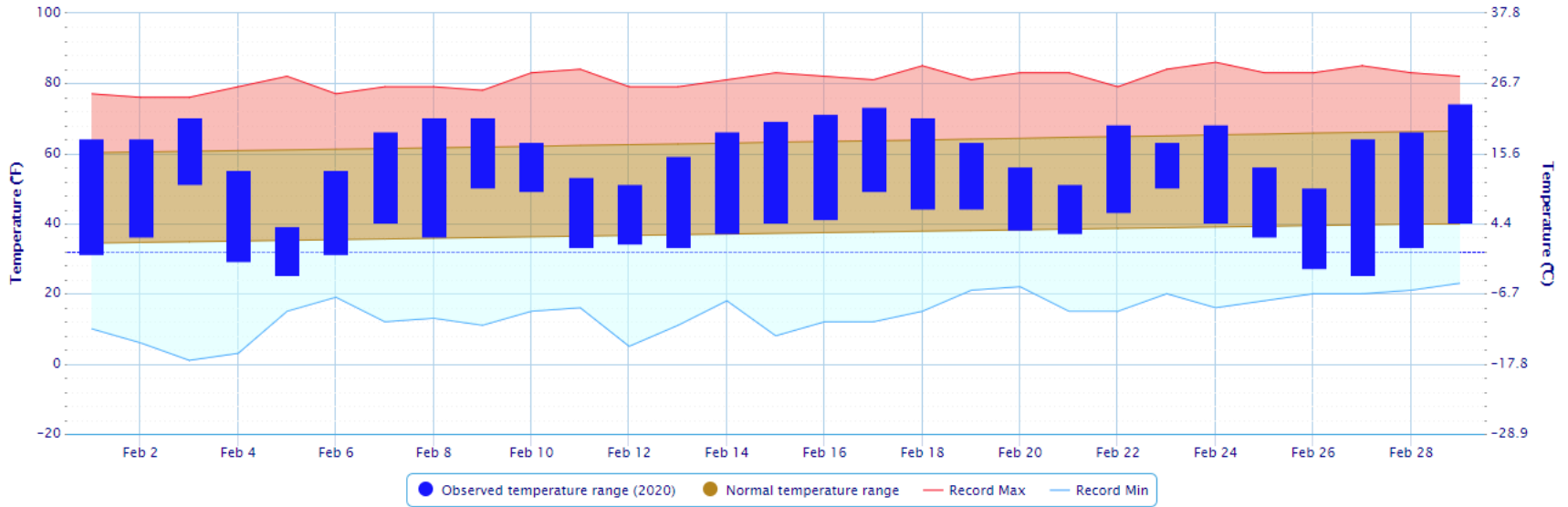


<http://go.usa.gov/3eZ73>

Temperature and precipitation data for February 2020 in El Paso

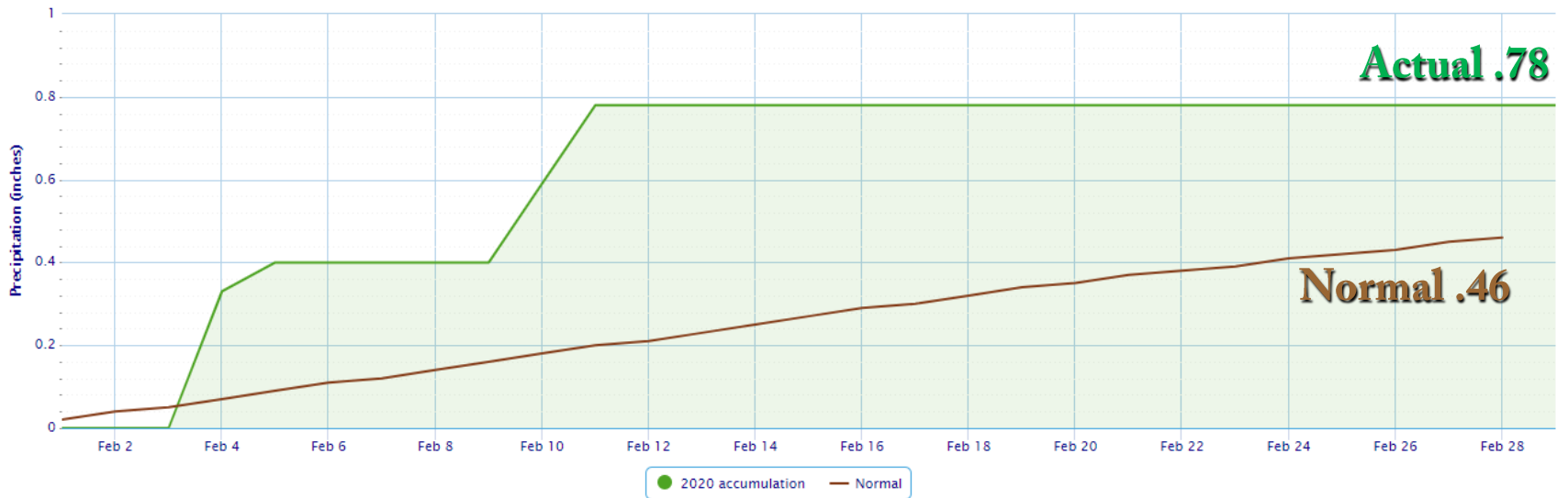
Daily Temperature Data – El Paso Area, TX (ThreadEx)

Period of Record – Max temperature: 1887-01-01 to 2020-02-29; Min temperature: 1879-01-01 to 2020-02-29. Normals period: 1981-2010. Click and drag to zoom chart.

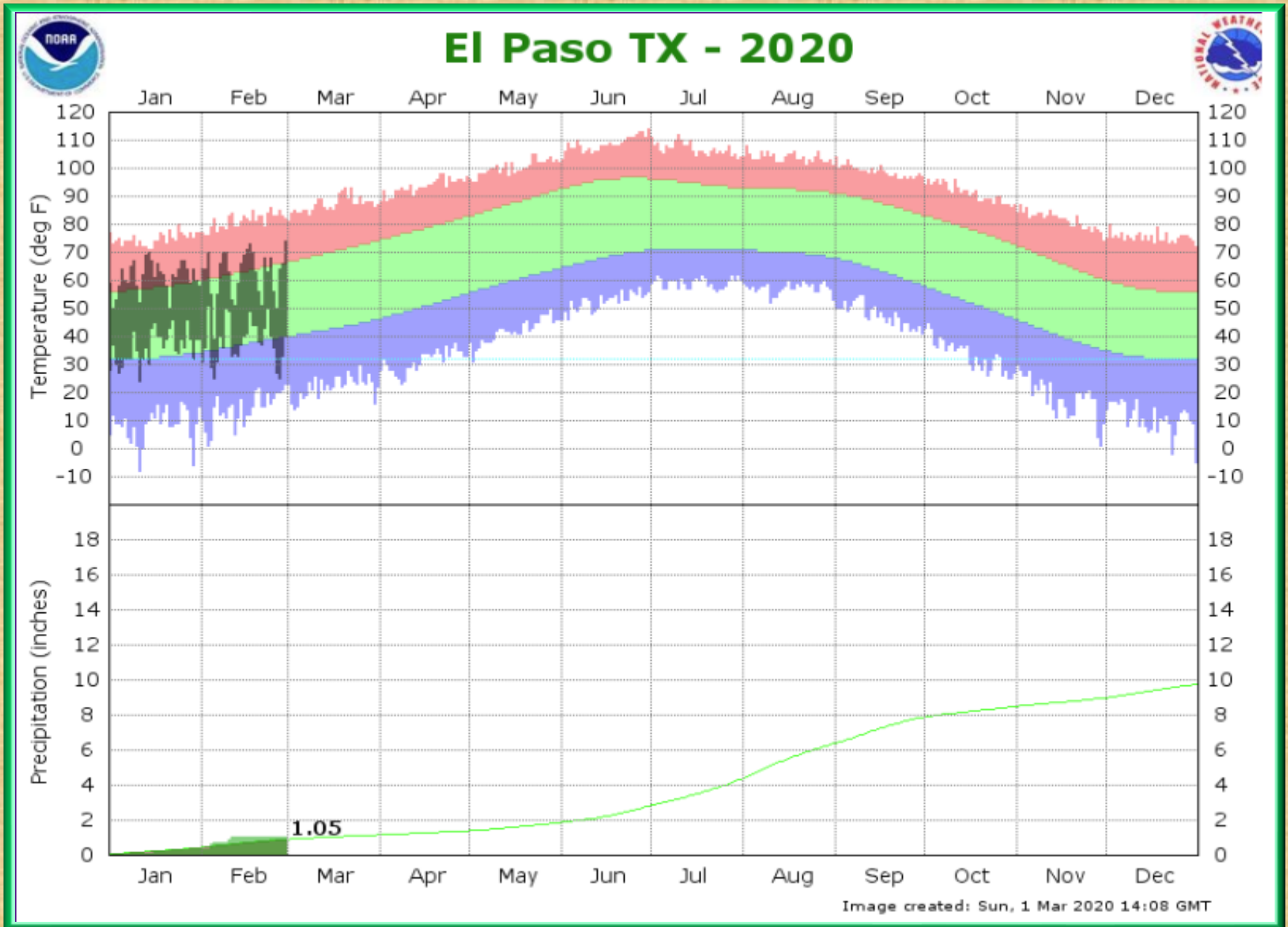


Accumulated Precipitation – El Paso Area, TX (ThreadEx)

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



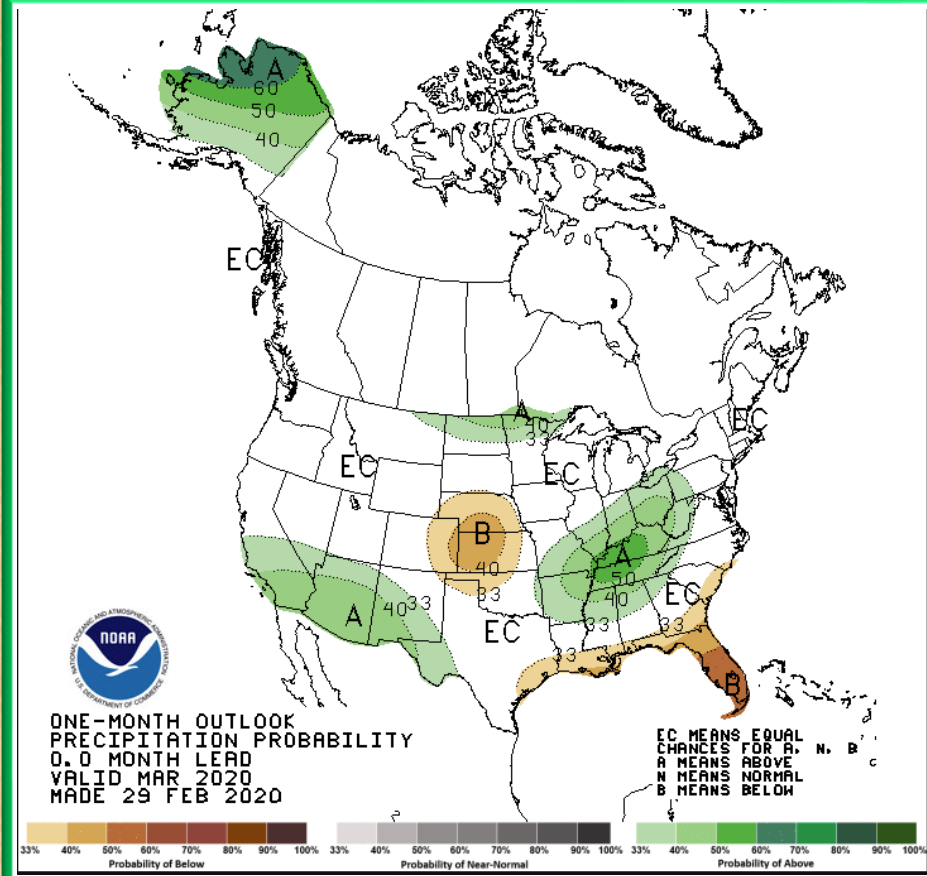
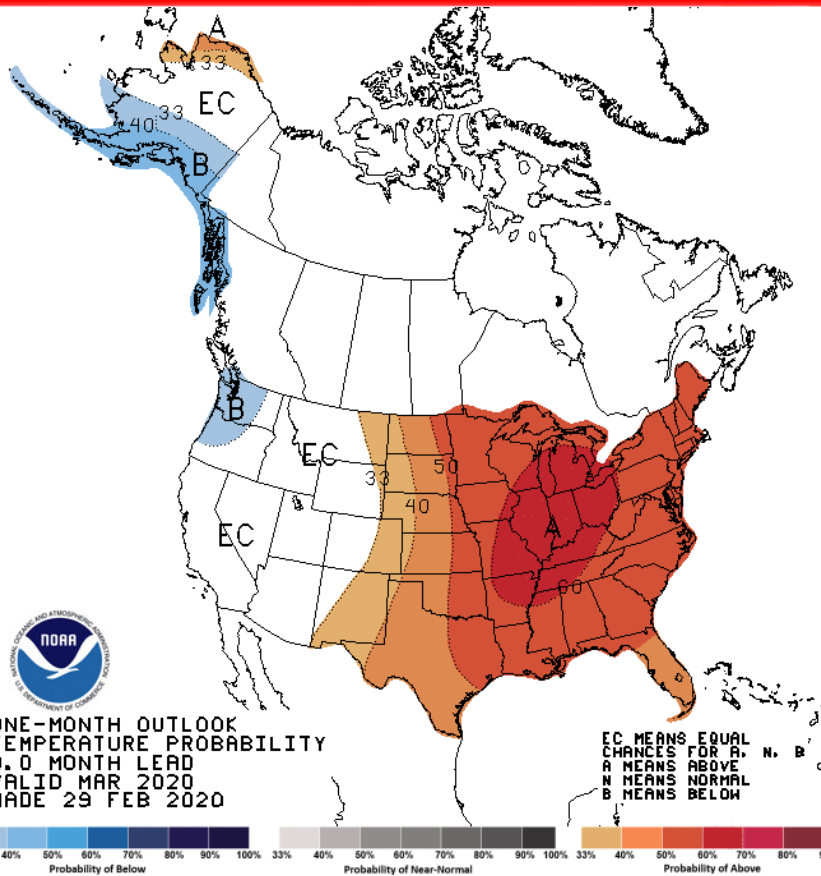
2020 Year to Date: Temperature and Precipitation Data for El Paso



Temperature and precipitation outlook for March 2020

Temperature

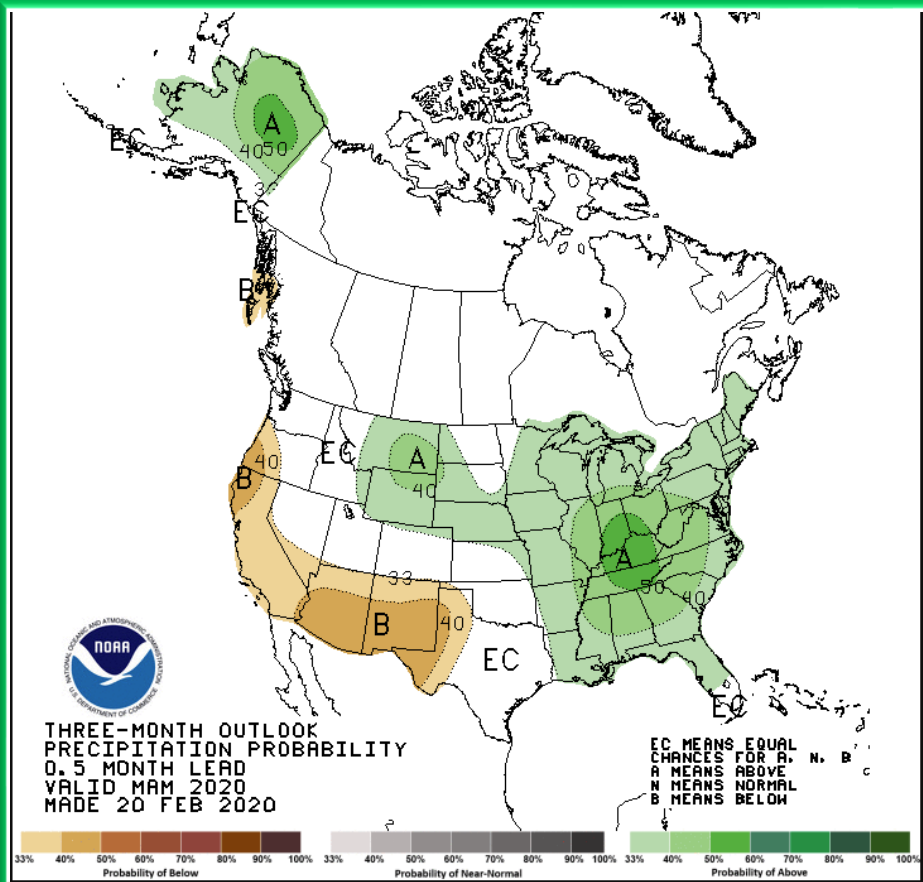
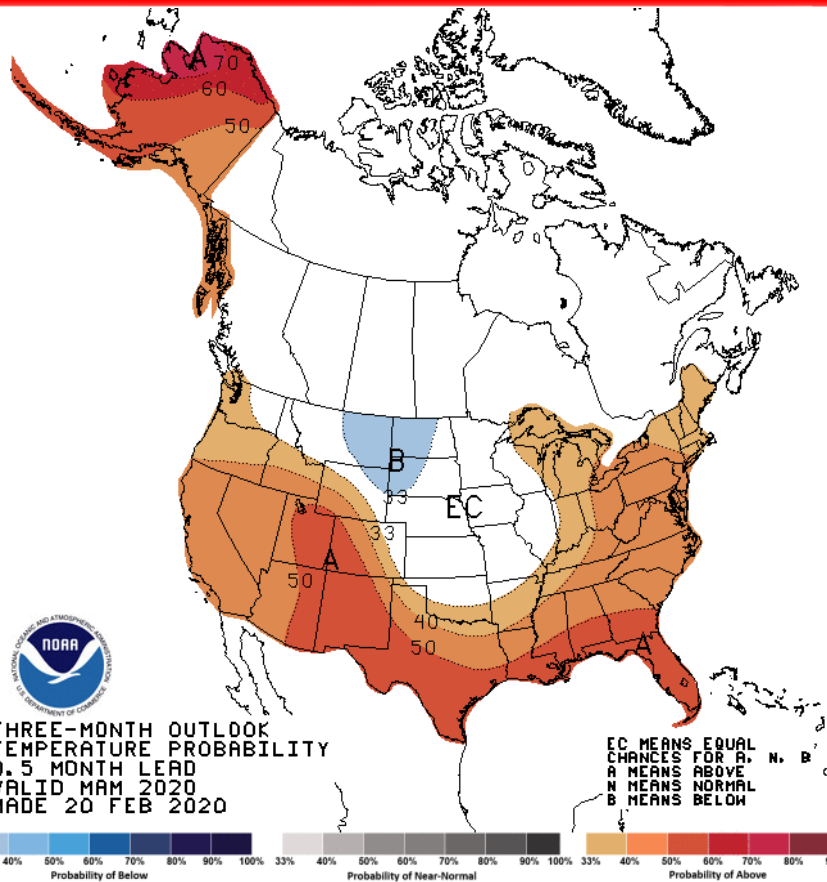
Precipitation



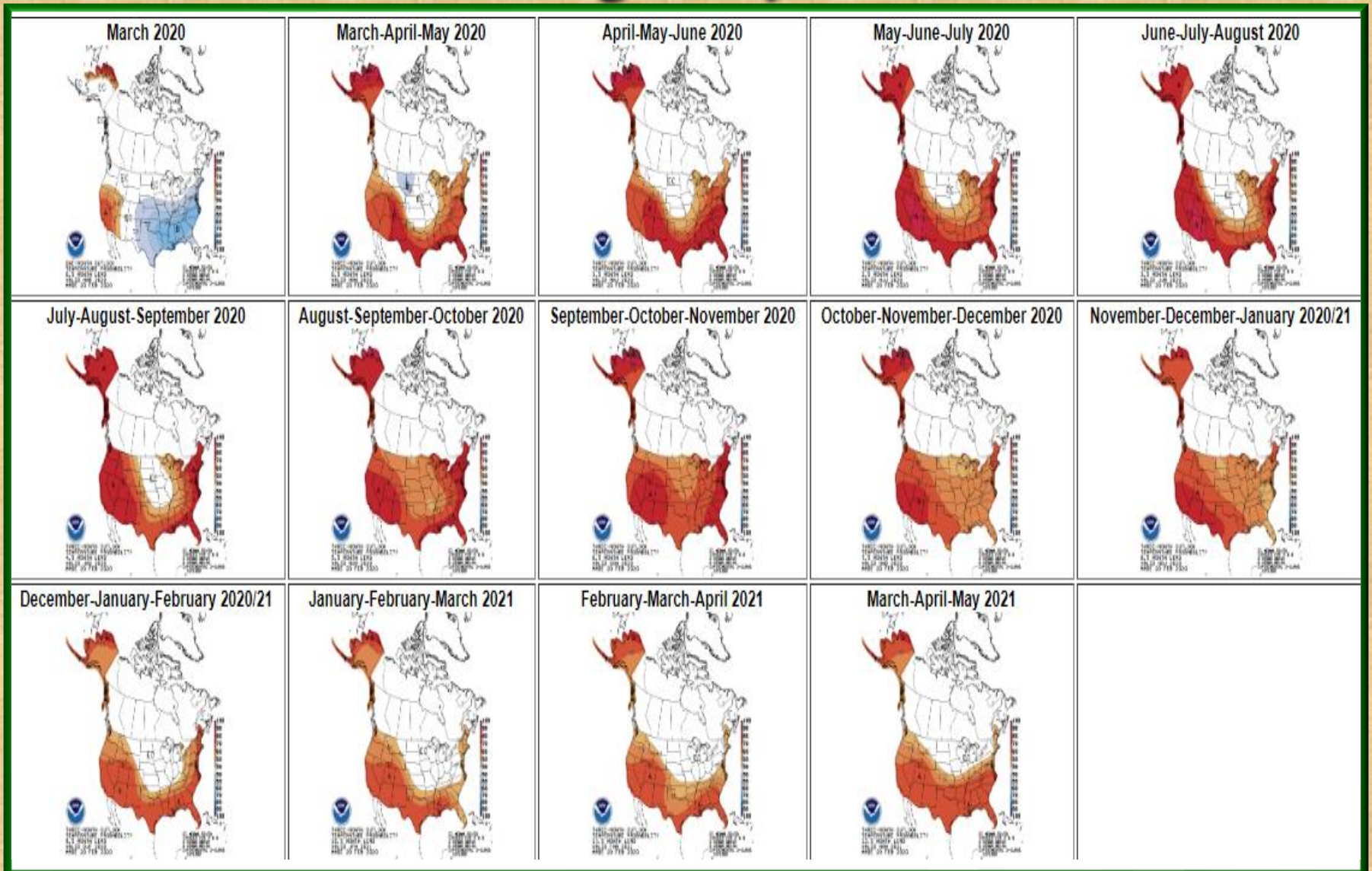
Temperature and precipitation outlook For March-May 2020

Temperature

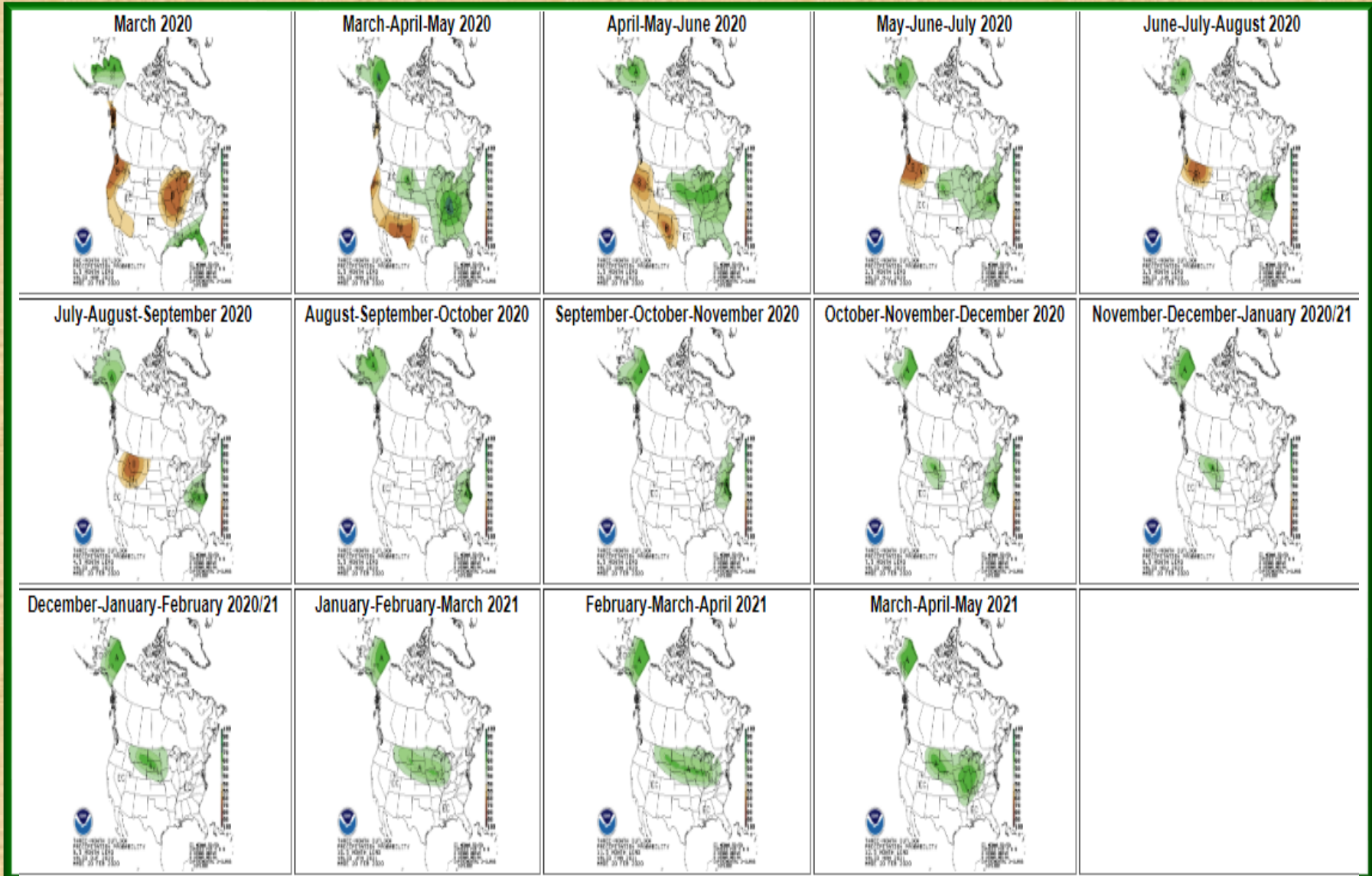
Precipitation



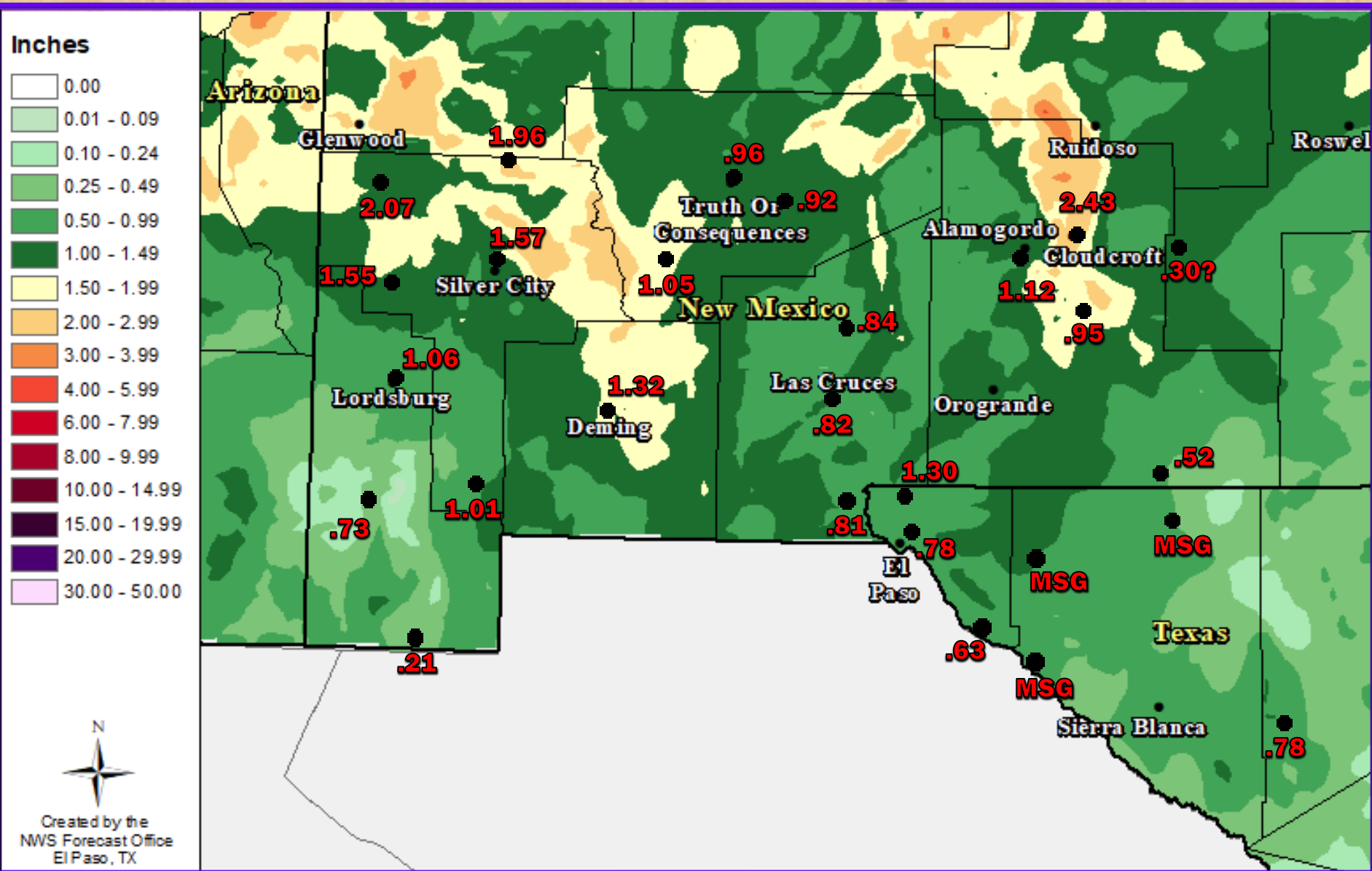
Temperature Outlook Through May 2021



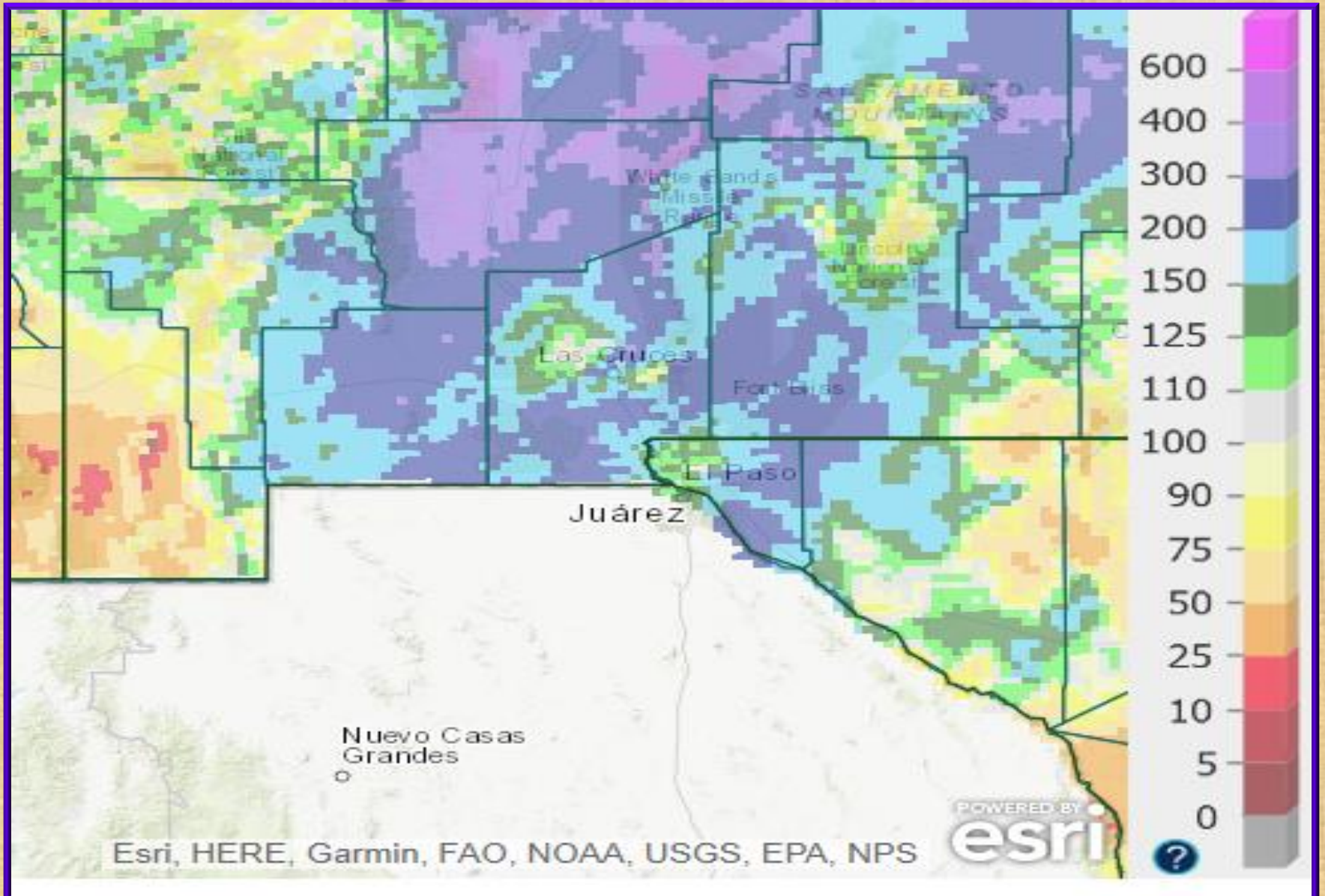
Precipitation Outlook Through May 2021



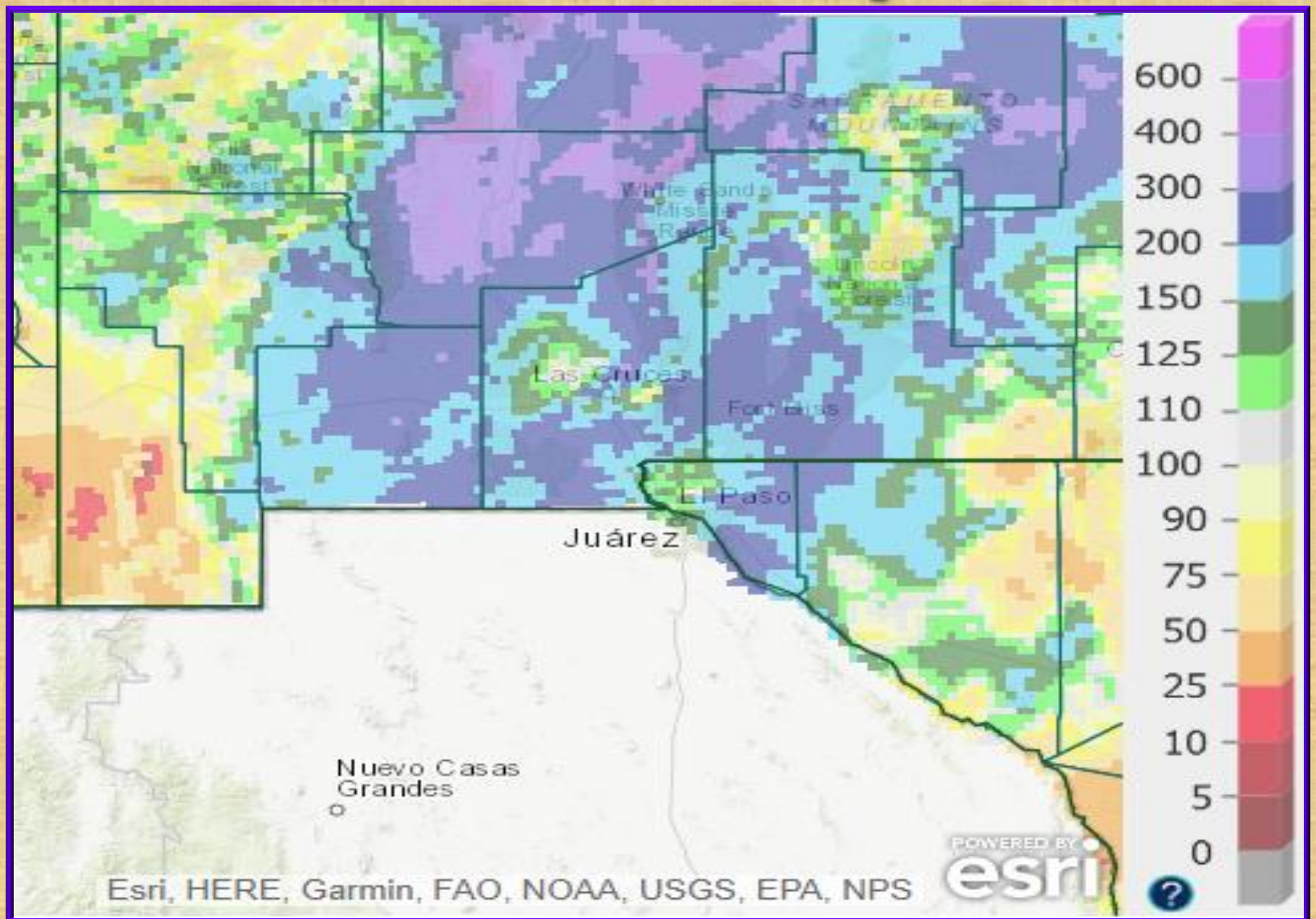
February 2020 radar rainfall estimate with surface rainfall reports



February 2020 radar rainfall estimate percent of normal



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

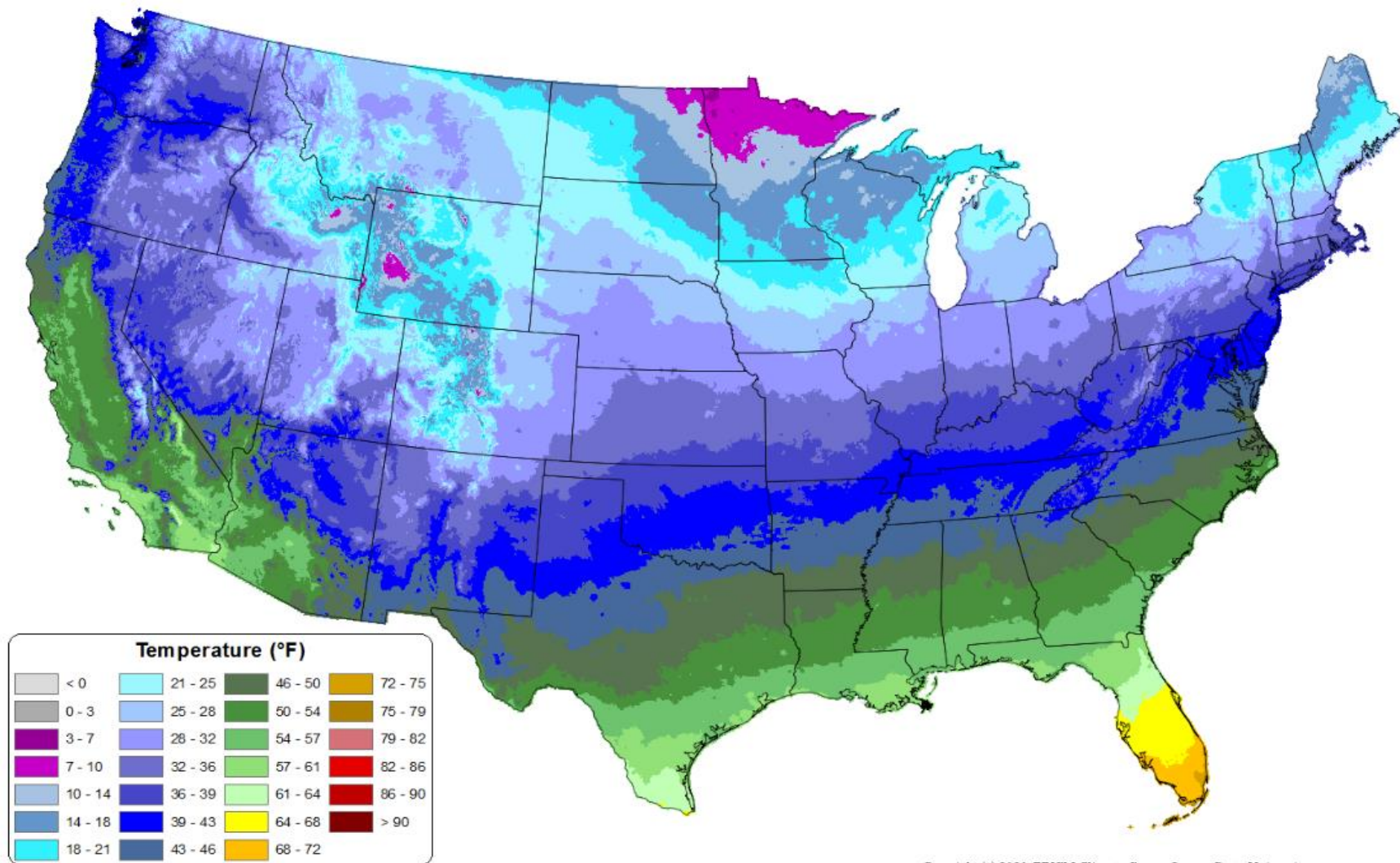


Average Daily Mean Temperature for February 2020

Average Daily Mean Temperature: Feb 2020

Period ending 7 AM EST 29 Feb 2020

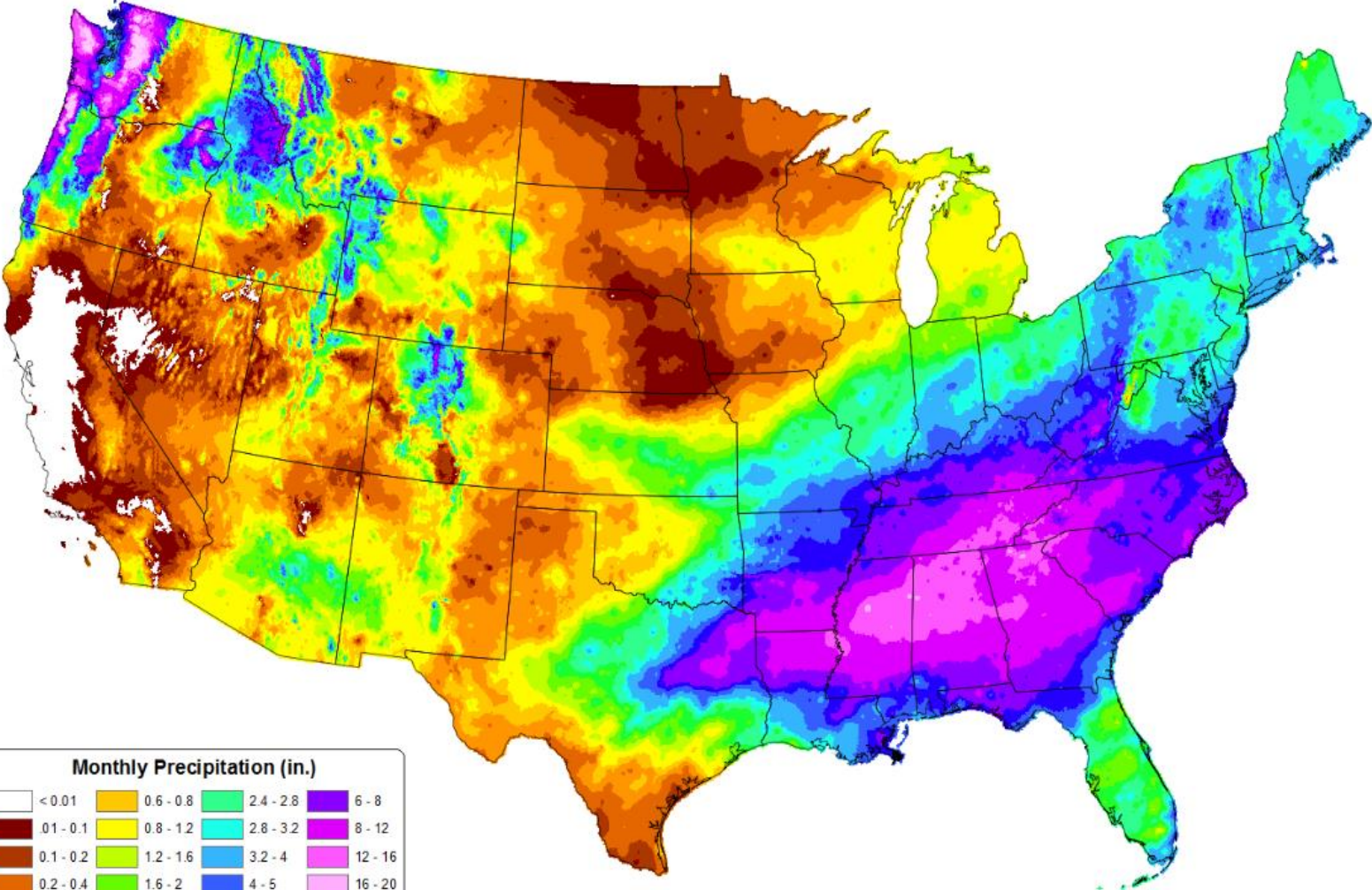
(Map created 02 Mar 2020)



Total Precipitation for February 2020

Total Precipitation: Feb 2020

Period ending 29 Feb 2020
(Map created 02 Mar 2020)



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

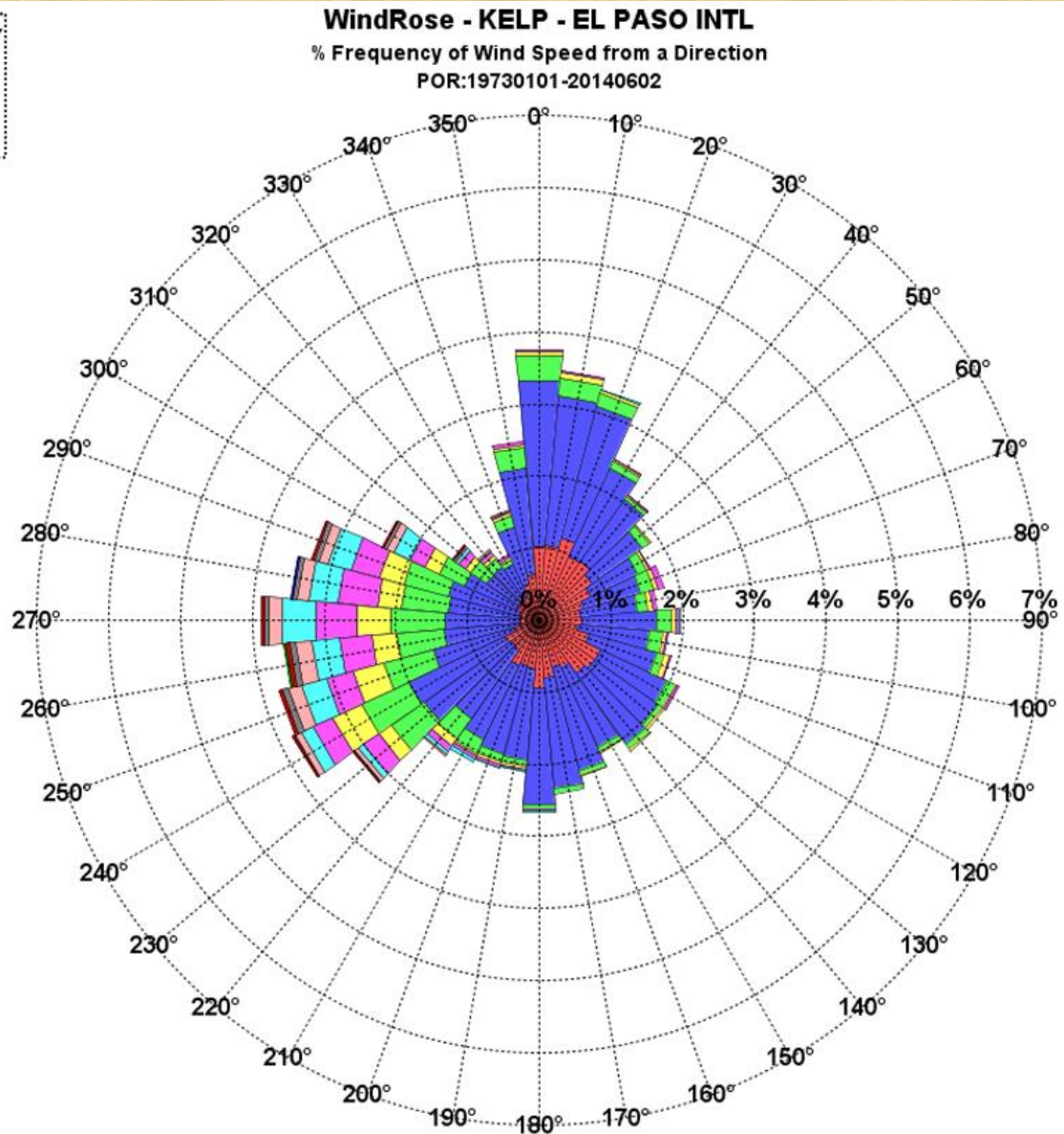
Special Features

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

Month: FEBRUARY

Calm: 10.51%

Variable: 1.83%



Selected weather reports February 2020

Date/Time	Location (County)	Event
FEB 3 520 PM	SAN AUGUSTIN PASS-DONA ANA	72 MPH PEAK WIND
FEB 3 535 PM	NORTHRUP STRIP 7SW-DONA ANA	60 MPH PEAK WIND
FEB 3 500 PM	WSMR MAIN POST-DONA ANA	55 MPH PEAK WIND
FEB 3 414 AM	SOUTH FRANKLIN PEAK-DONA ANA	55 MPH PEAK WIND
FEB 3 341 PM	MESCALERO-OTERO	48 MPH PEAK WIND
FEB 3 1240 PM	HACHITA 15SW-HIDALGO	47 MPH PEAK WIND
FEB 3 310 PM	T OR C AIRPORT-SIERRA	47 MPH PEAK WIND
FEB 3 401 PM	ORGAN 11NE-DONA ANA	44 MPH PEAK WIND
FEB 3 330 PM	TULAROSA 22NW-OTERO	44 MPH PEAK WIND
FEB 3 1130 AM	CLOUDCROFT-OTERO	43 MPH PEAK WIND
FEB 3 250 PM	HILLSBORO-SIERRA	42 MPH PEAK WIND

Selected weather reports February 2020

Date/Time	Location (County)	Event
FEB 3 354 PM	EL PASO INTL AIRPORT-EL PASO	41 MPH PEAK WIND
FEB 3 258 PM	HIGH ROLLS-OTERO	41 MPH PEAK WIND
FEB 5 1030 AM	CLOUDCROFT-OTERO	12.5 INCHES SNOW
FEB 5 800 AM	SUNSPOT-OTERO	11.0 INCHES SNOW
FEB 5 800 AM	LA LUZ 6NE-OTERO	4.7 INCHES SNOW
FEB 5 725 AM	EL PASO 11NE-EL PASO	4.5 INCHES SNOW
FEB 5 700 AM	EL PASO 1SW-EL PASO	3.1 INCHES SNOW
FEB 5 700 AM	CHAPARRAL-DONA ANA	3.1 INCHES SNOW
FEB 5 700 AM	ALAMOGORDO 3N-OTERO	2.3 INCHES SNOW
FEB 5 510 AM	LAS CRUCES 3SE-DONA ANA	2.0 INCHES SNOW
FEB 5 1000 AM	SANTA TERESA NWS-DONA ANA	1.3 INCHES SNOW

Selected weather reports February 2020

Date/Time	Location (County)	Event
FEB 12 700 AM	LAS PALOMAS 1S-SIERRA	7.7 INCHES SNOW
FEB 12 610 AM	SUNSPOT-OTERO	6.8 INCHES SNOW
FEB 12 800 AM	T OR C 1NE-SIERRA	6.5 INCHES SNOW
FEB 12 700 AM	HILLSBORO-SIERRA	4.8 INCHES SNOW
FEB 12 700 AM	HANOVER 9NE-GRANT	4.5 INCHES SNOW
FEB 12 700 AM	DEMING 5S-LUNA	4.5 INCHES SNOW
FEB 12 700 AM	BAYARD 3N-GRANT	3.7 INCHES SNOW
FEB 12 700 AM	SAN LORENZO 17E-GRANT	3.5 INCHES SNOW
FEB 12 600 AM	LA LUZ 6NE-OTERO	3.0 INCHES SNOW
FEB 12 800 AM	CLOUDCROFT 4E-OTERO	3.0 INCHES SNOW
FEB 12 700 AM	SILVER CITY 1S-GRANT	2.7 INCHES SNOW

Selected weather reports February 2020

Date/Time	Location (County)	Event
FEB 12 600 AM	LAS CRUCES 2NE-DONA ANA	2.6 INCHES SNOW
FEB 12 700 AM	EL PASO 6N-EL PASO	2.4 INCHES SNOW
FEB 23 155 PM	SAN AUGUSTION PASS-DON ANA	71 MPH PEAK WIND
FEB 23 905 AM	WSMR MAIN POST-DONA ANA	56 MPH PEAK WIND
FEB 23 725 PM	EL PASO 6NE-EL PASO	56 MPH PEAK WIND
FEB 23 1055 AM	CLINT-EL PASO	55 MPH PEAK WIND
FEB 23 140 AM	HACHITA 15SW-HIDALGO	52 MPH PEAK WIND
FEB 23 849 AM	HIGH ROLLS-OTERO	49 MPH PEAK WIND
FEB 23 1012 AM	CLOUDCROFT-OTERO	47 MPH PEAK WIND
FEB 23 1225 PM	SUNSPOT-OTERO	47 MPH PEAK WIND
FEB 23 1235 PM	SANTA TERESA 5NW-DON ANA	46 MPH PEAK WIND

Selected weather reports February 2020

Date/Time	Location (County)	Event
FEB 23 450 PM	HATCH-DONA ANA	46 MPH PEAK WIND
FEB 23 100 PM	CHAPARRAL-DONA ANA	45 MPH PEAK WIND
FEB 23 241 PM	MESCALERO-OTERO	44 MPH PEAK WIND
FEB 23 155 PM	MAYHILL 3NW-OTERO	44 MPH PEAK WIND
FEB 23 130 PM	TULAROSA 22NW	43 MPH PEAK WIND
FEB 23 400 PM	LA UNION-DONA ANA	42 MPH PEAK WIND
FEB 23 335 PM	HORIZON CITY-EL PASO	42 MPH PEAK WIND

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**

