

April 2018 Weather Digest



Mark Stambaugh

April 2018 Weather Summary

April continued the ongoing drought conditions across southern New Mexico and far west Texas. The La Niña weather pattern has indeed been a dry pattern for the Borderland this winter, and April was no exception. The area as a whole received no measureable precipitation. Only a few small areas received very light precipitation such as the southeast Bootheel of New Mexico and central Hudspeth County. Only one small area, northeast El Paso, received significant rainfall of one-half to one inch, and that all fell on one occasion-April 19th. For the Water Year (since Oct 1), the area hasn't been doing to bad, with the majority of the area just below to just above normal. Areas west of the Continental Divide and also the Sacramento Mountains, are running noticeable deficits for the season so far.

Numerous days saw windy and dusty conditions, again very typical of the spring season across the area. Pacific storms streaked across northern New Mexico and the central Rockies 4 or 5 times during the month creating strong winds and blowing dust. April 13th was particularly strong, with winds of 45 to 60 mph common across much of the area.

Temperatures were once again very warm, compliments of the La Niña pattern. Most sites around the area reported average temperatures of 3 to 6 degrees above normal for the month. Many desert sites reported their first 90 degree day of the year in early to mid April.

April 2018 Weather Summary Contd.

Looking ahead to May, temperatures continue to rise sharply. May ends a dry streak of the 3 driest months of the year, and the winds and dust of the spring season usually end by late April or early May, as the slow transition to the monsoon season begins. Sunshine increases from just over 13 hours at the beginning of May, to just over 14 hours by the end of the month. Many desert locations record their first triple digit reading of the season during May, although the average first day isn't until early June.

Blowing dust near Lordsburg April 12



I-10 Westbound View MP-12.

2018-04-12 MDT 14:41:02

Blowing dust near Lordsburg April 12



I-10 Westbound View MP-11.

2018-04-12 MDT 12:58:03

Blowing dust near Lordsburg April 12



Blowing dust at Lake Mescalero April 13



KFOX14
SEVERE
WEATHER TEAM
12:25:13 PM

LIVE ONLINE WEATHER NETWORK

CREATED BY THE MOUNTAIN GODS
DANCO & CLAYTON

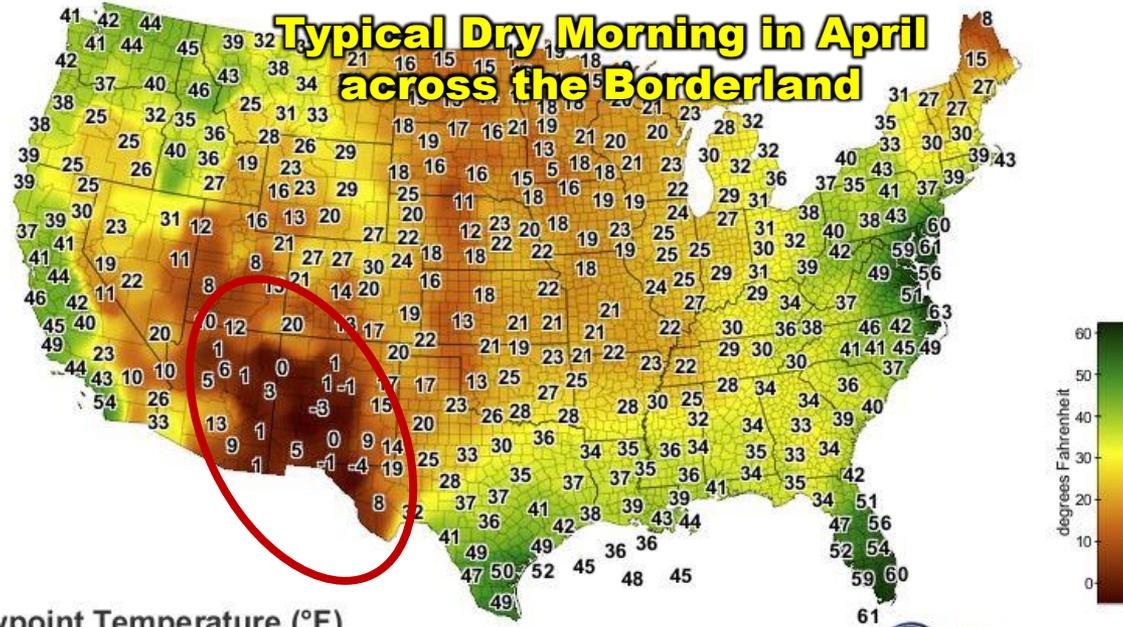
Northeast El Paso April 13



Wind damage Santa Teresa Jetport April 14



Typical Dry Morning in April across the Borderland



Dewpoint Temperature (°F)

6:00 AM April 16, 2018 CDT

Data provided by NOAA's National Weather Service. Created 6:25:33 AM April 16, 2018 CDT. © Copyright 2018



El Paso April 28



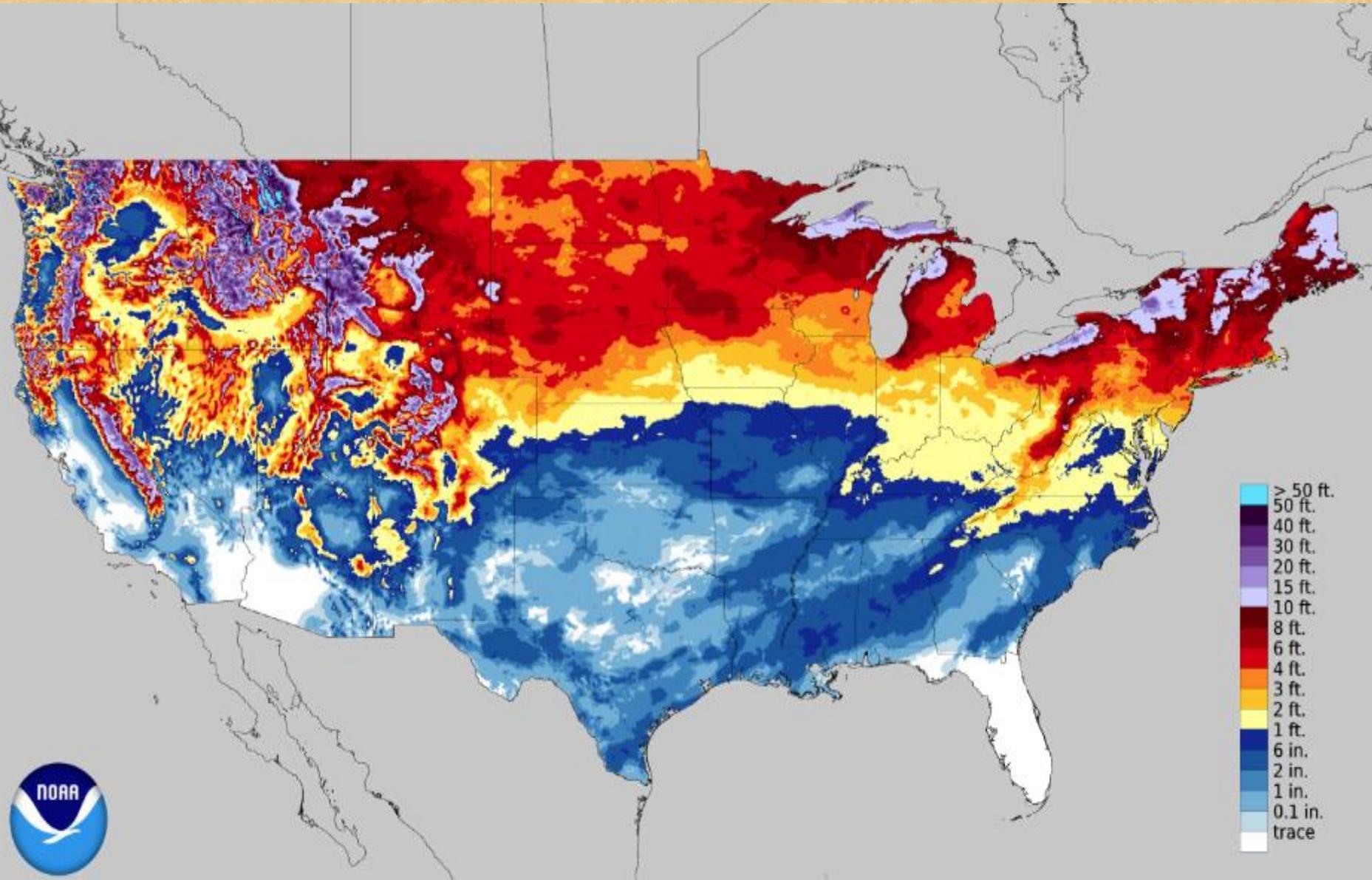
Santa Teresa April 28



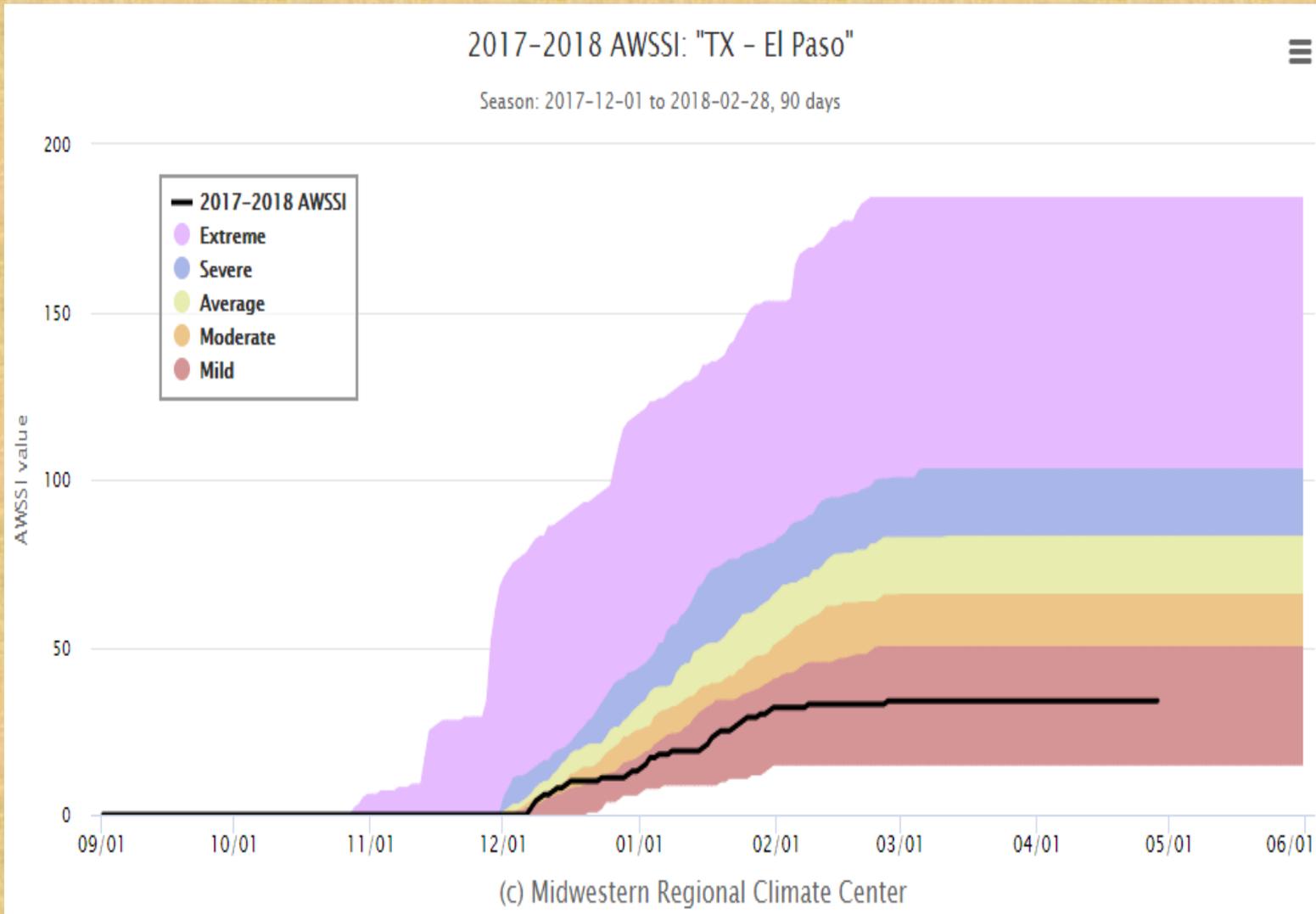
Las Cruces April 19



Seasonal snowfall total through Mar 31

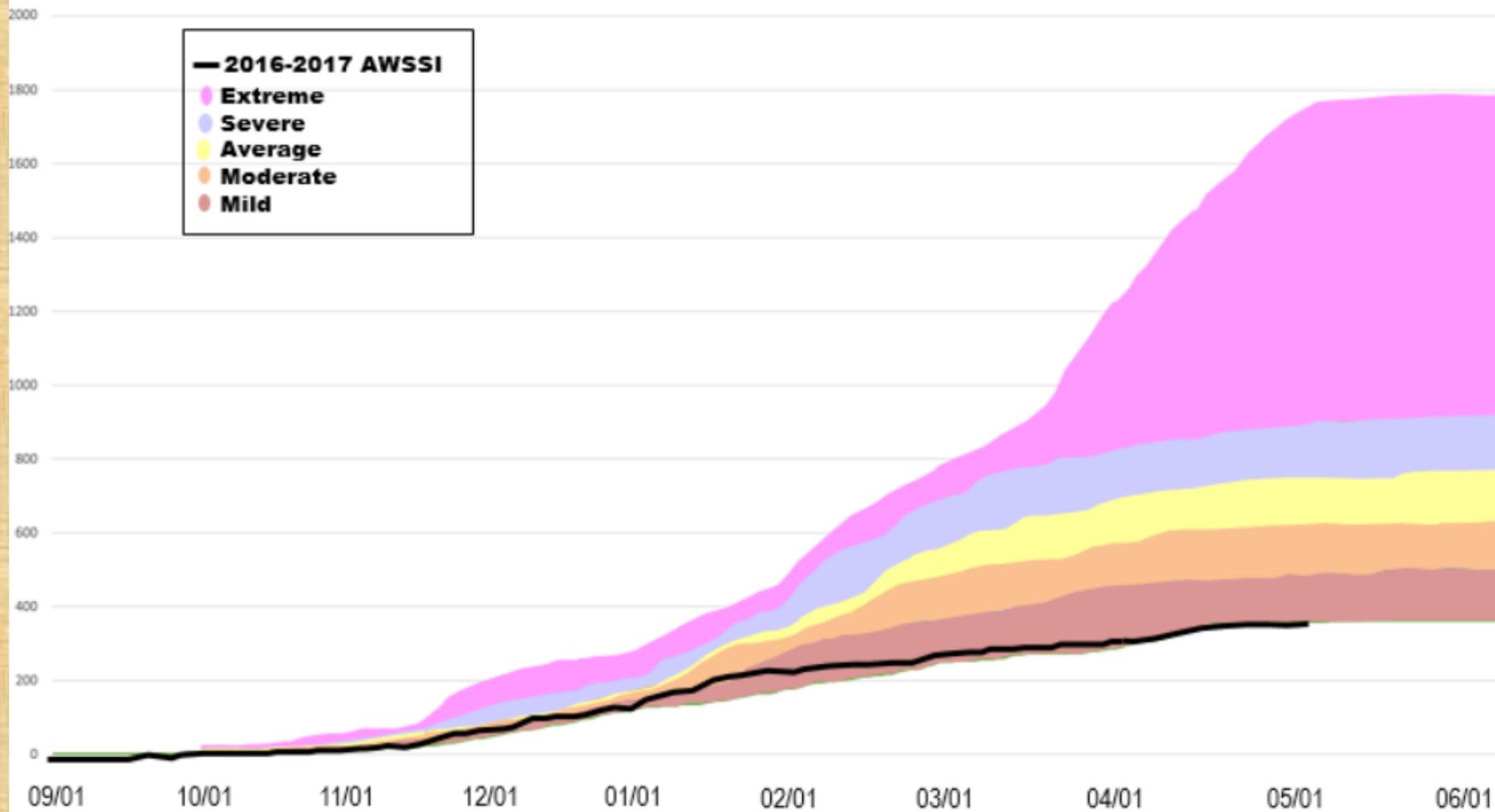


Winter Season Severity Index through March – El Paso



Winter Season Severity Index through April – Cloudcroft. Last chart of the season

2017-2018 AWSSI: Cloudcroft

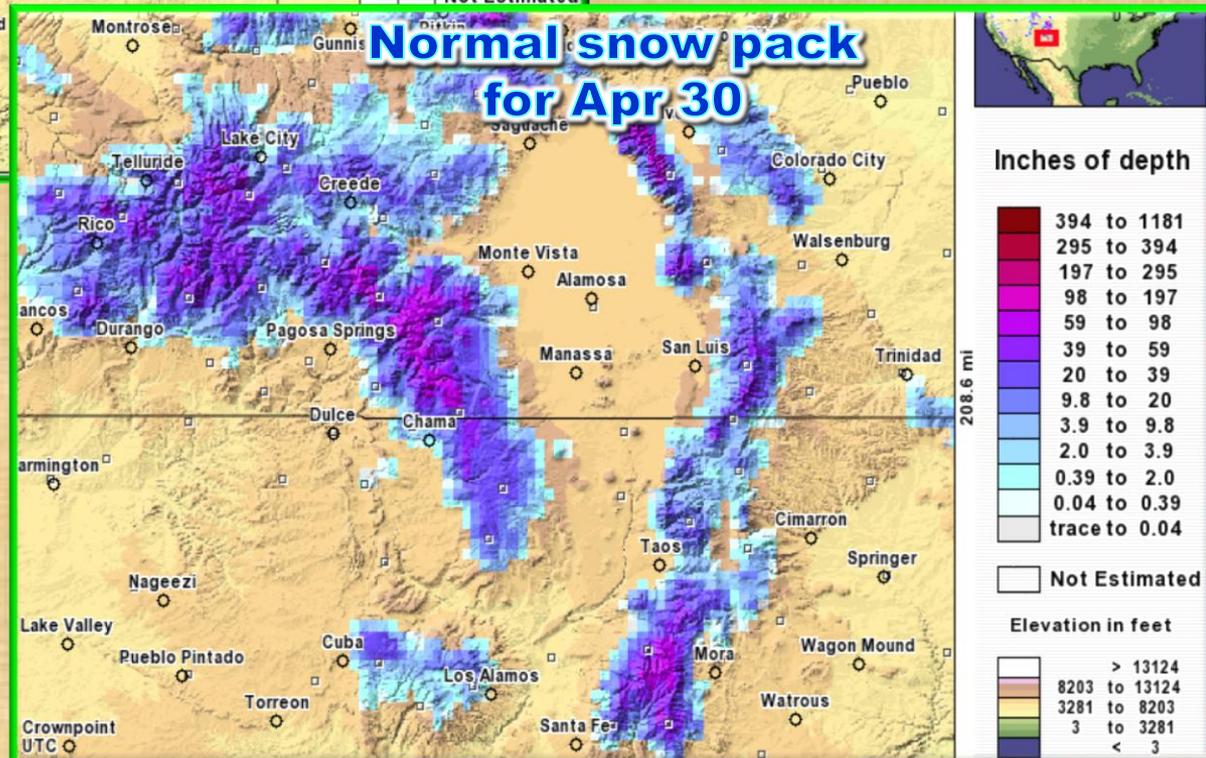
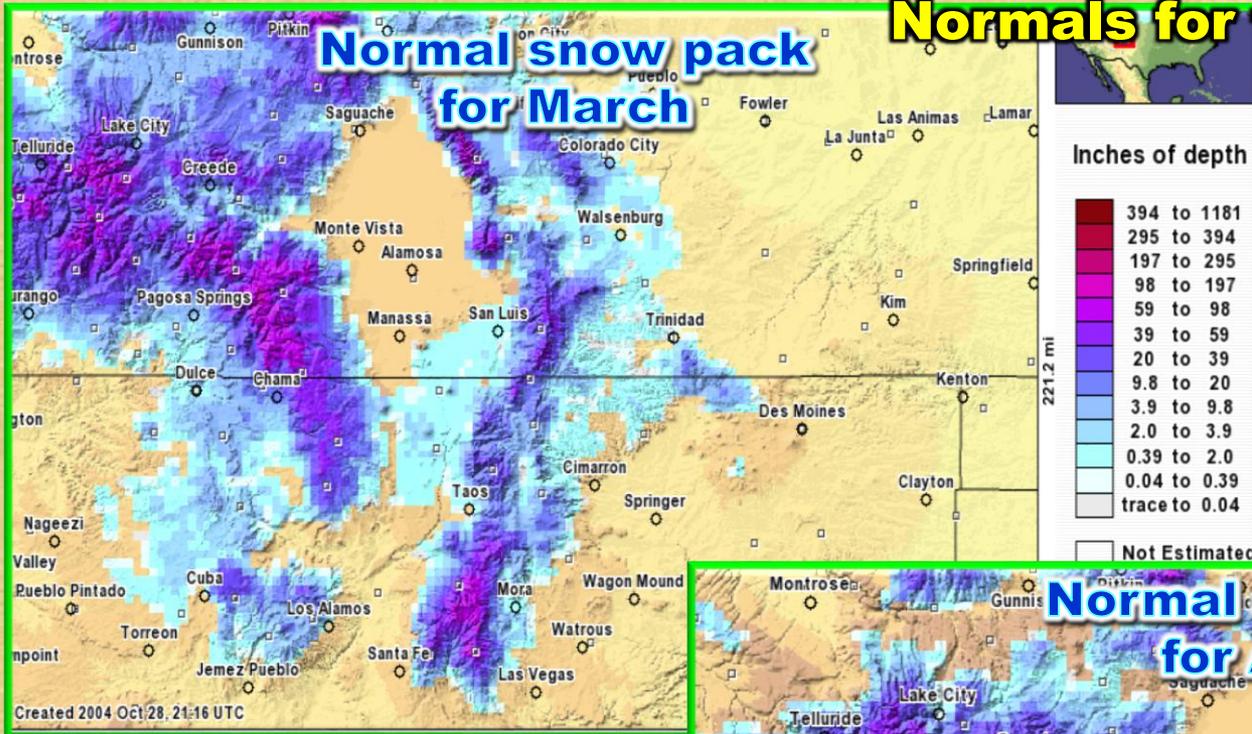


Upper Rio Grande Basin – One month change in snow pack



Created 2018 Mar 30, 13:52 UTC

Upper Rio Grande Basin- Normals for the season



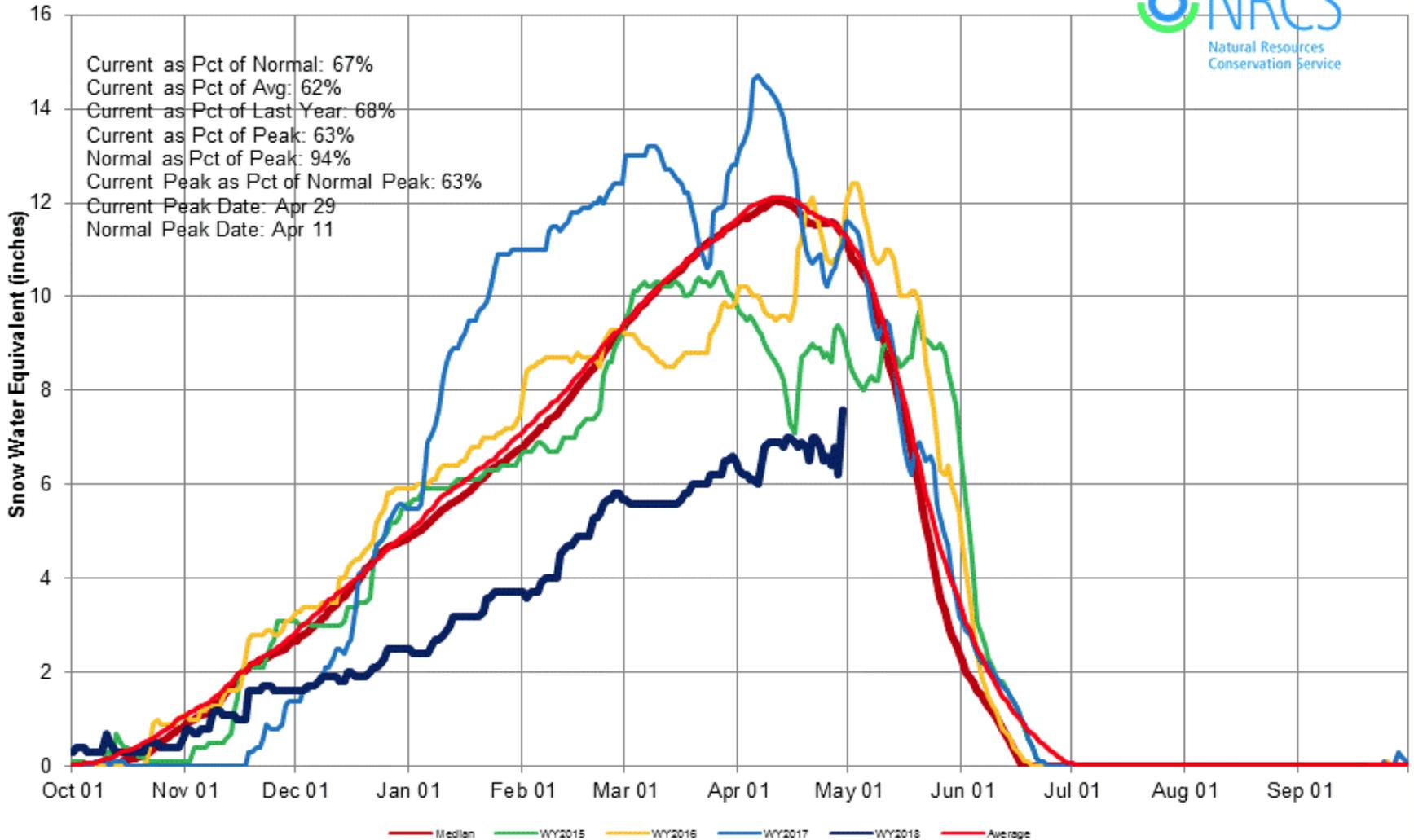
Upper Rio Grande Basin Time Series

Snowpack increased some in April-not typical.

Still well below normal at 67% of normal

Arkansas River Basin Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Apr 29, 2018



La Niña 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.

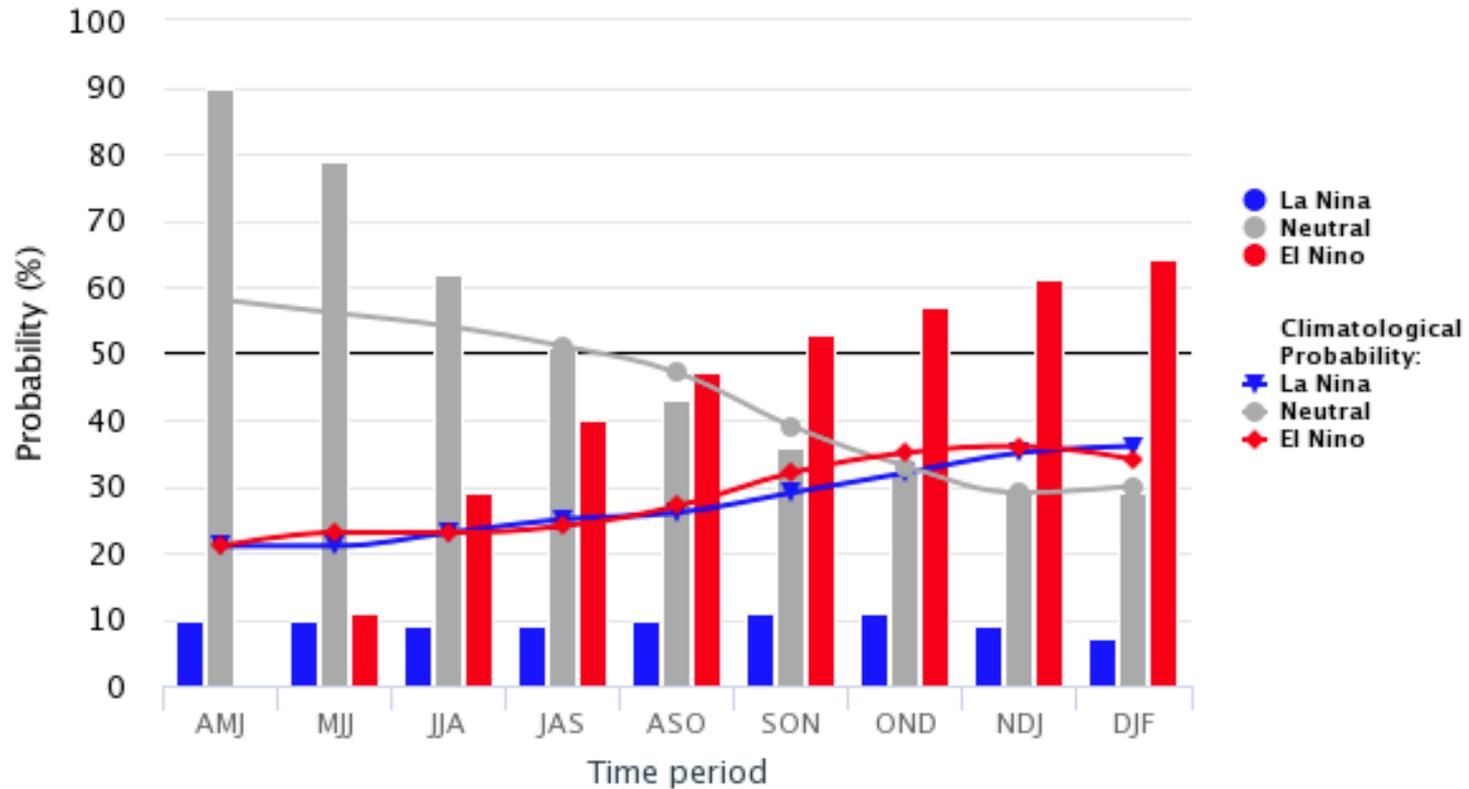
ENSO Forecast

ENSO IS IN WEAK LA NIÑA PHASE. IT IS LIKELY TO CHANGE TO NEUTRAL OVER THE NEXT MONTH.

Mid-Apr IRI/CPC Model-Based Probabilistic ENSO Forecasts

ENSO state based on NINO3.4 SST Anomaly

Neutral ENSO: -0.5 °C to 0.5 °C

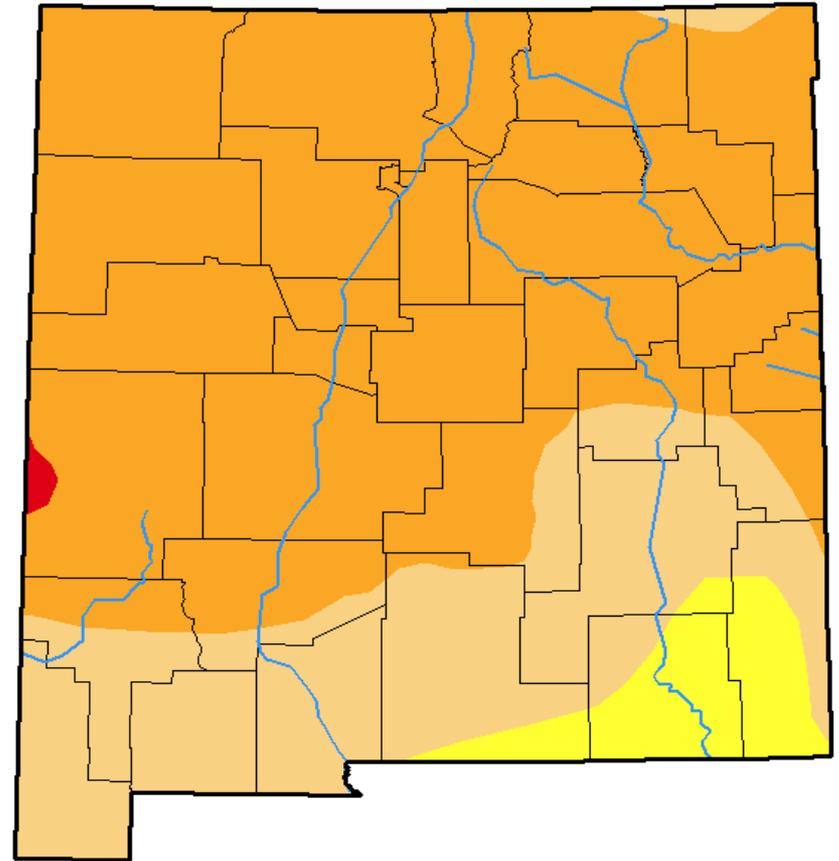
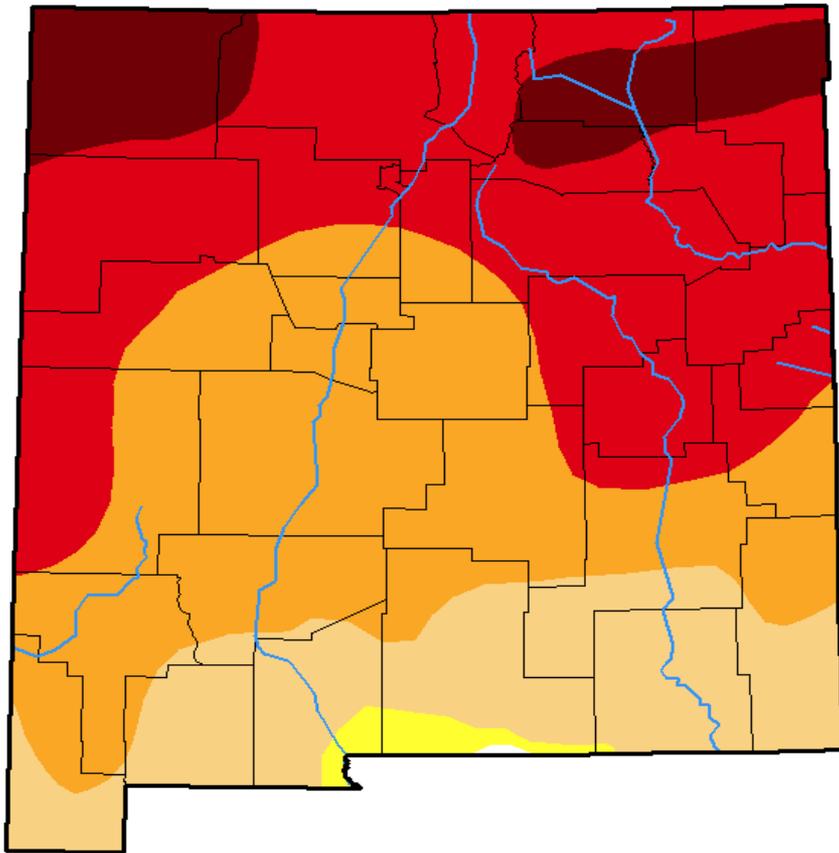


Current drought conditions for New Mexico and 3 month change

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

April 24, 2018

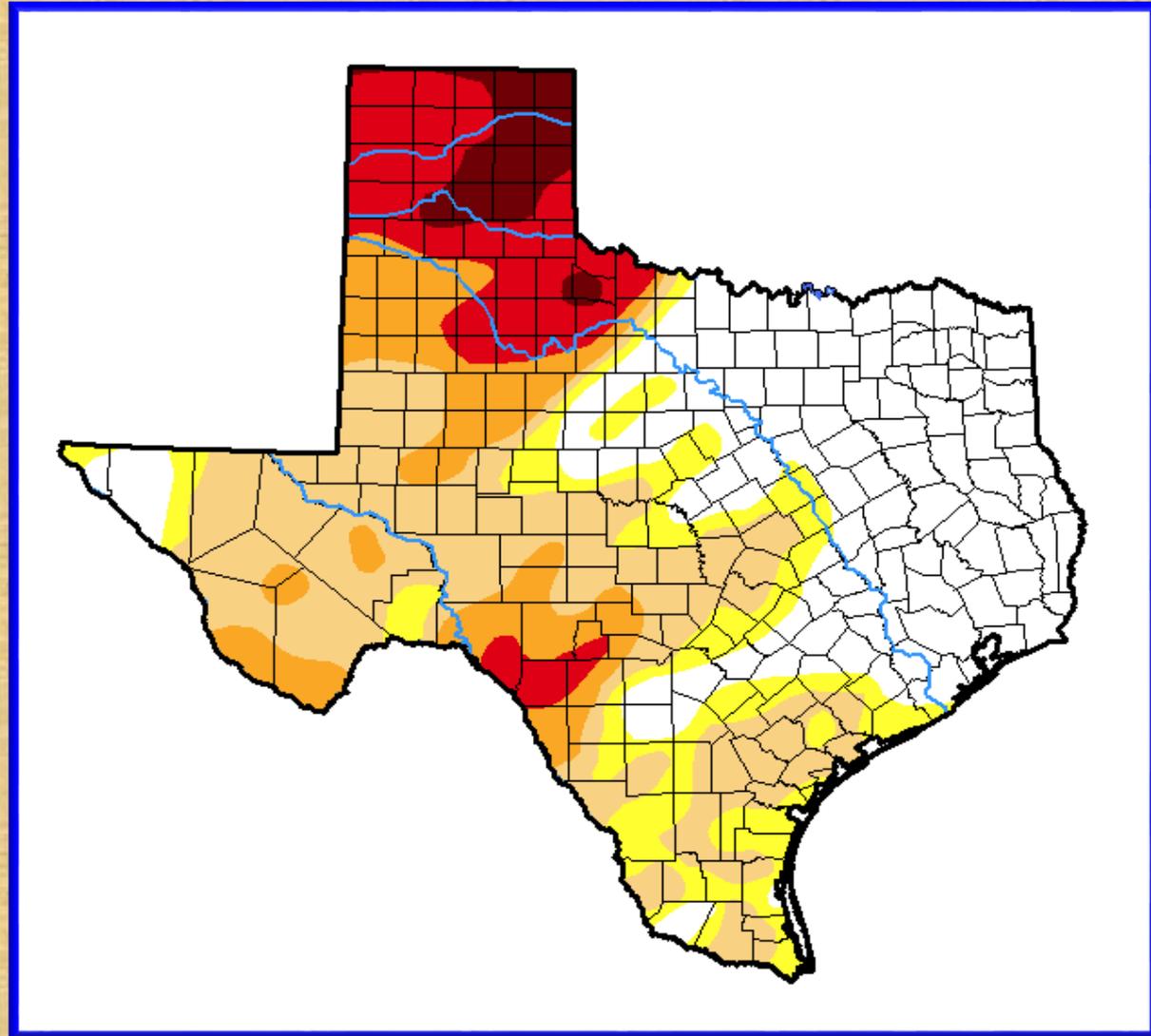
January 30, 2018



Current drought conditions for Texas as of April 24, 2018

Intensity:

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



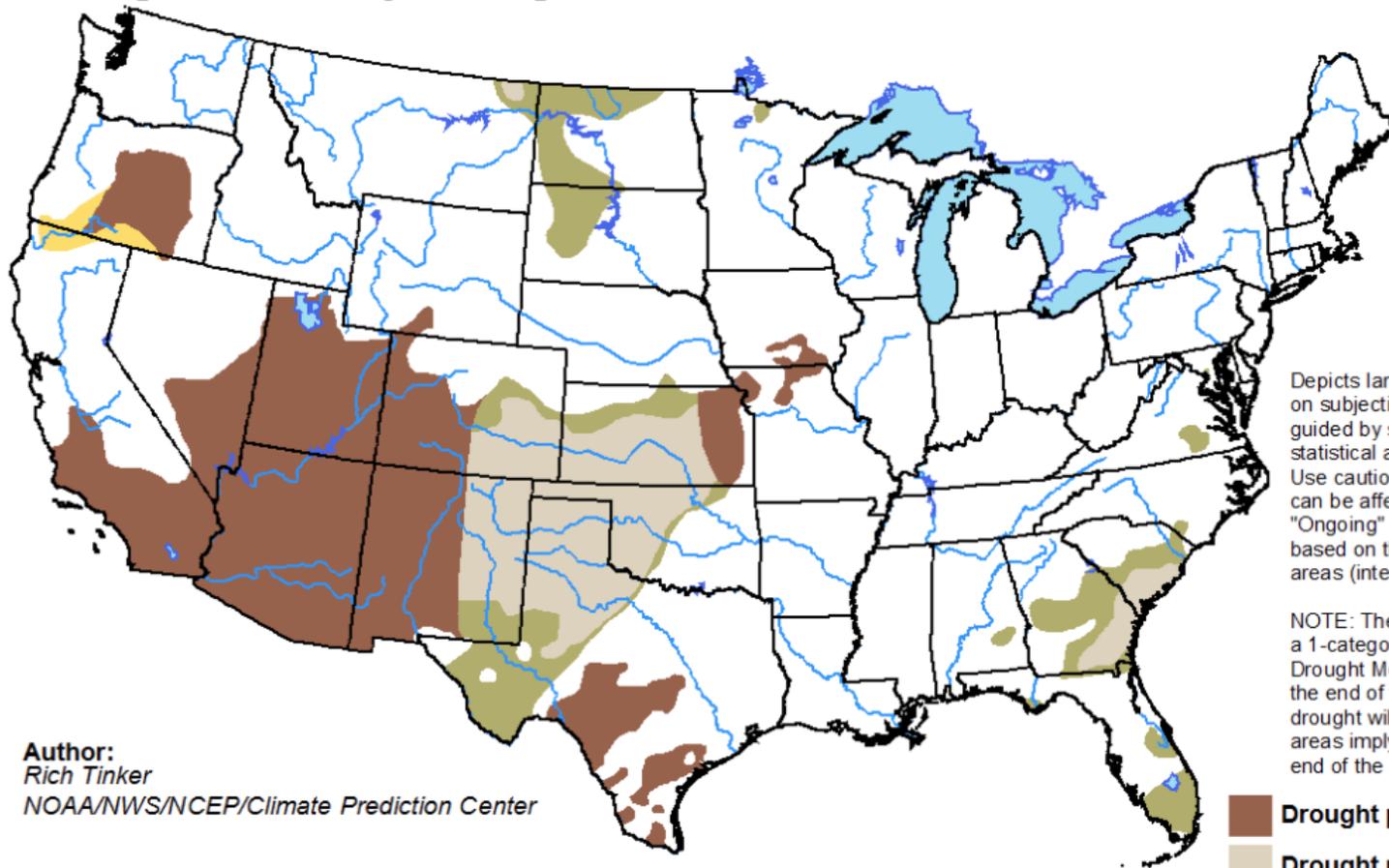
Build your own custom slider maps here at:

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

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for April 19 - July 31, 2018
Released April 19, 2018

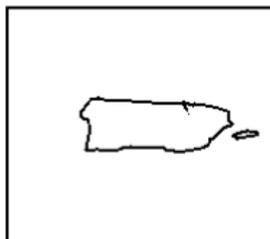
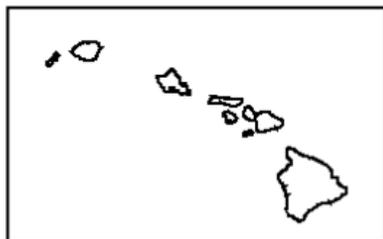
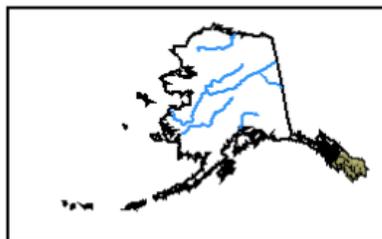


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

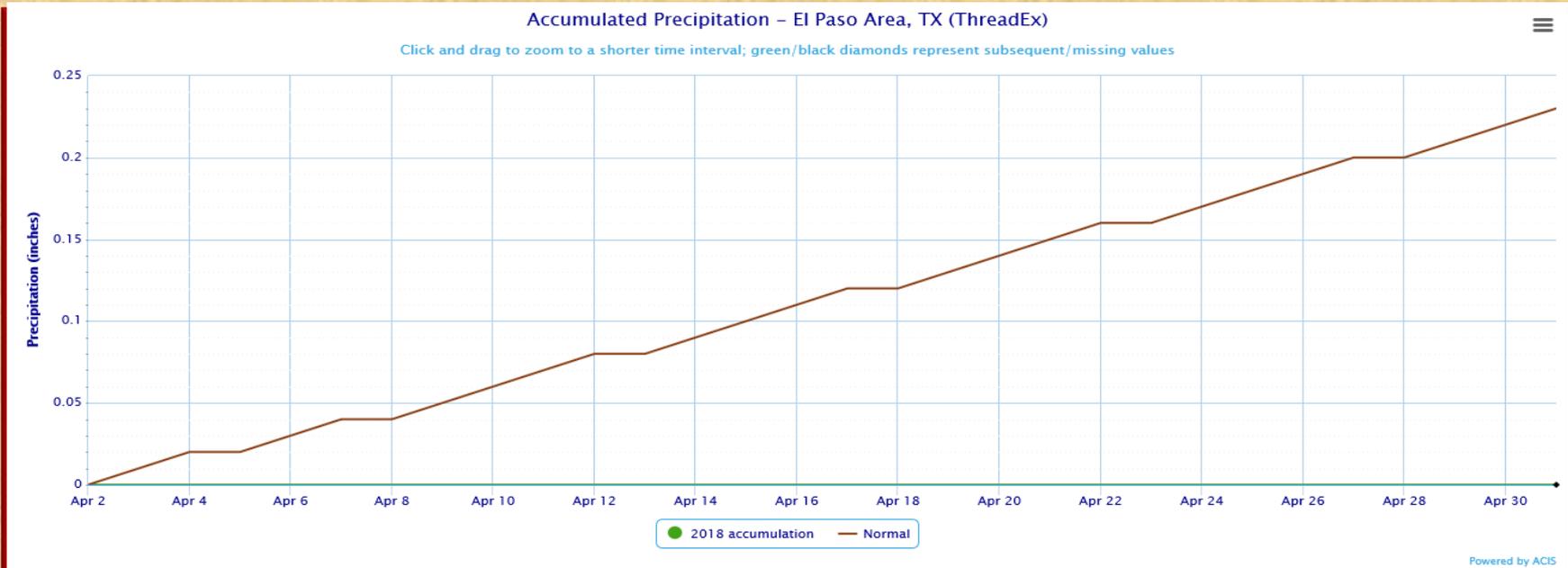
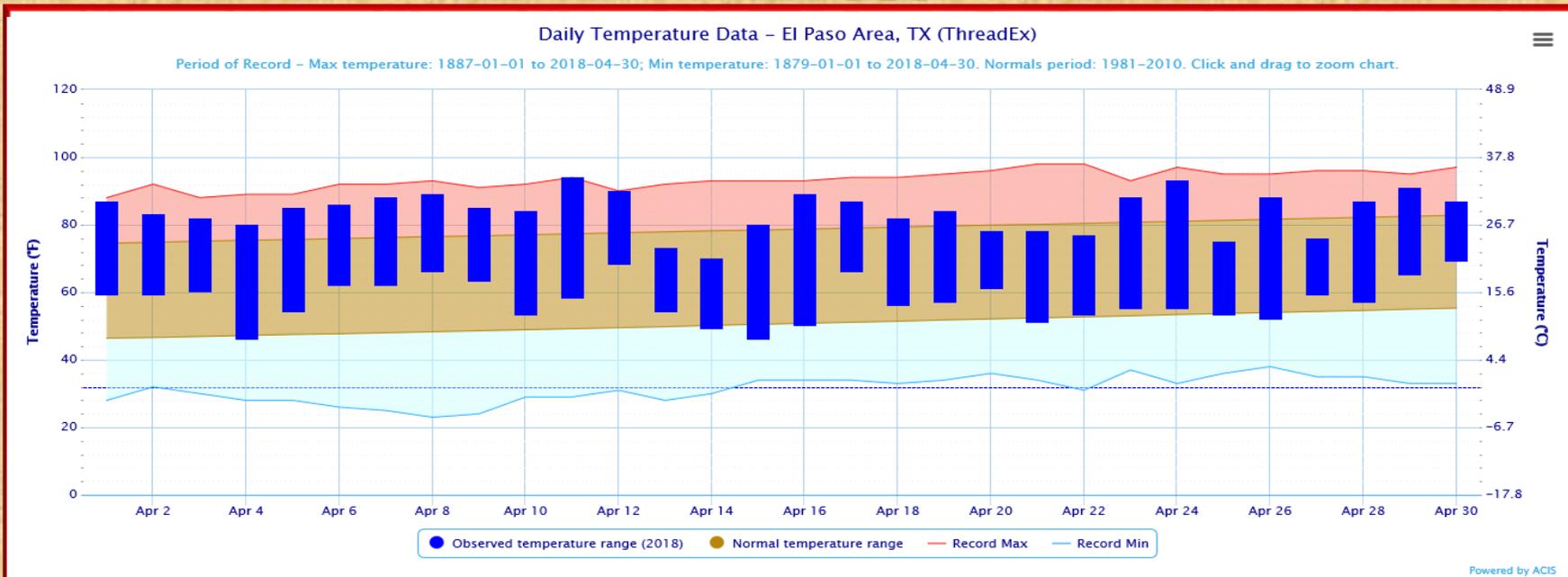
Author:
Rich Tinker
NOAA/NWS/NCEP/Climate Prediction Center

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

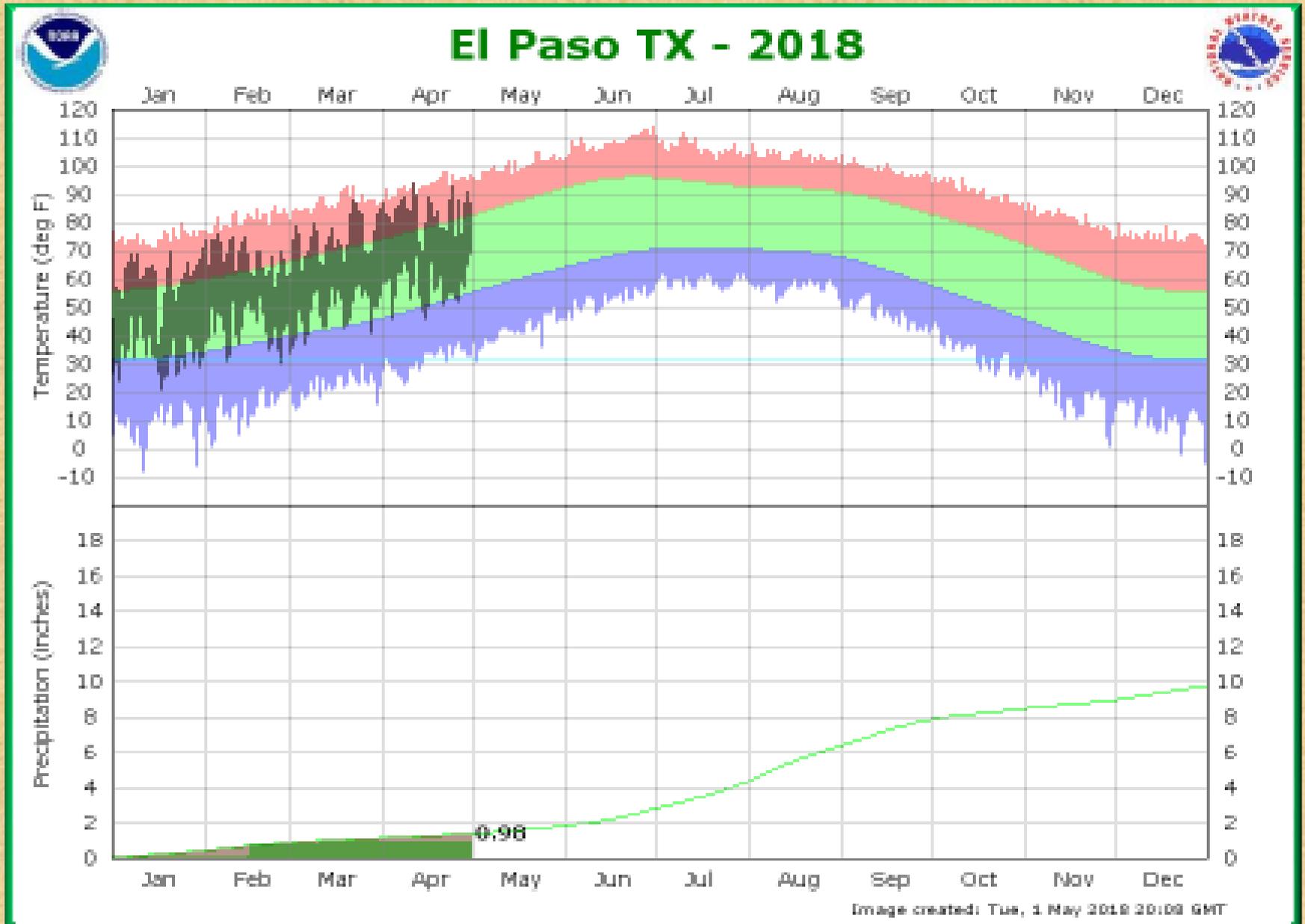


<http://go.usa.gov/3eZ73>

Temperature and precipitation data for April 2018 in El Paso



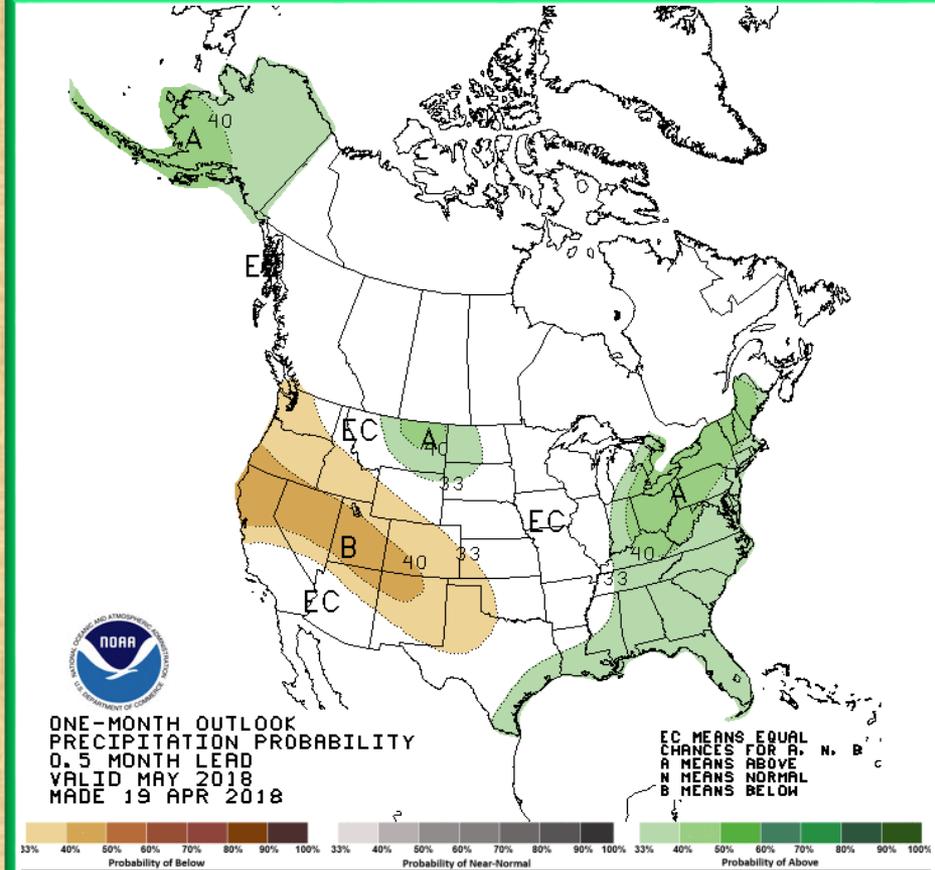
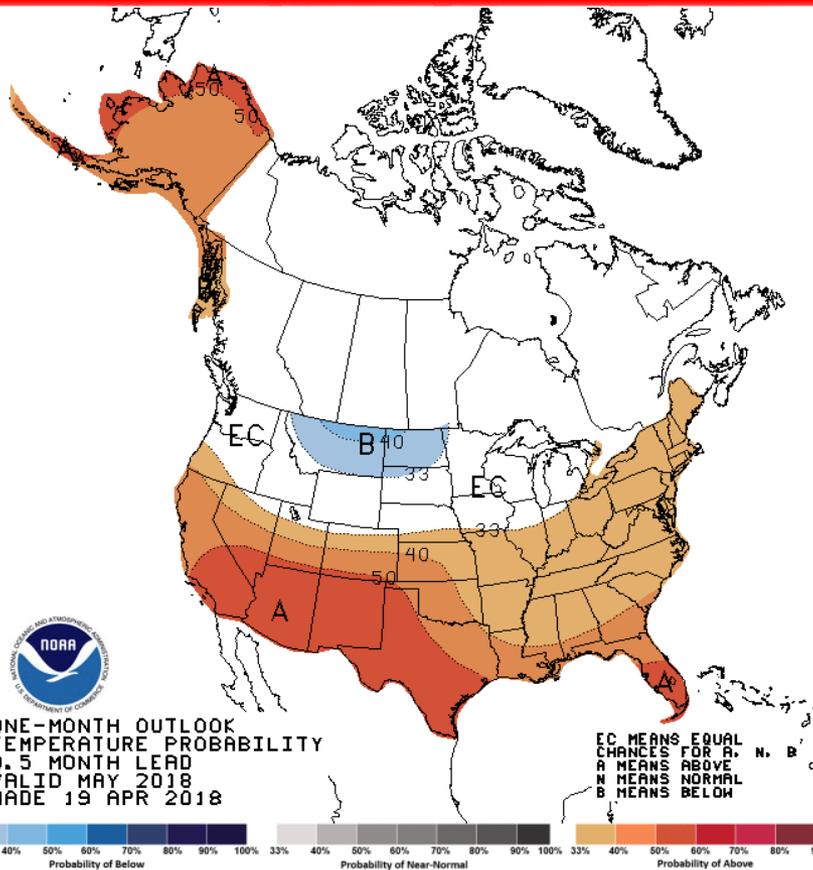
2018 year-to-date temperature and precipitation data El Paso



Temperature and precipitation outlook for May 2018

Temperature

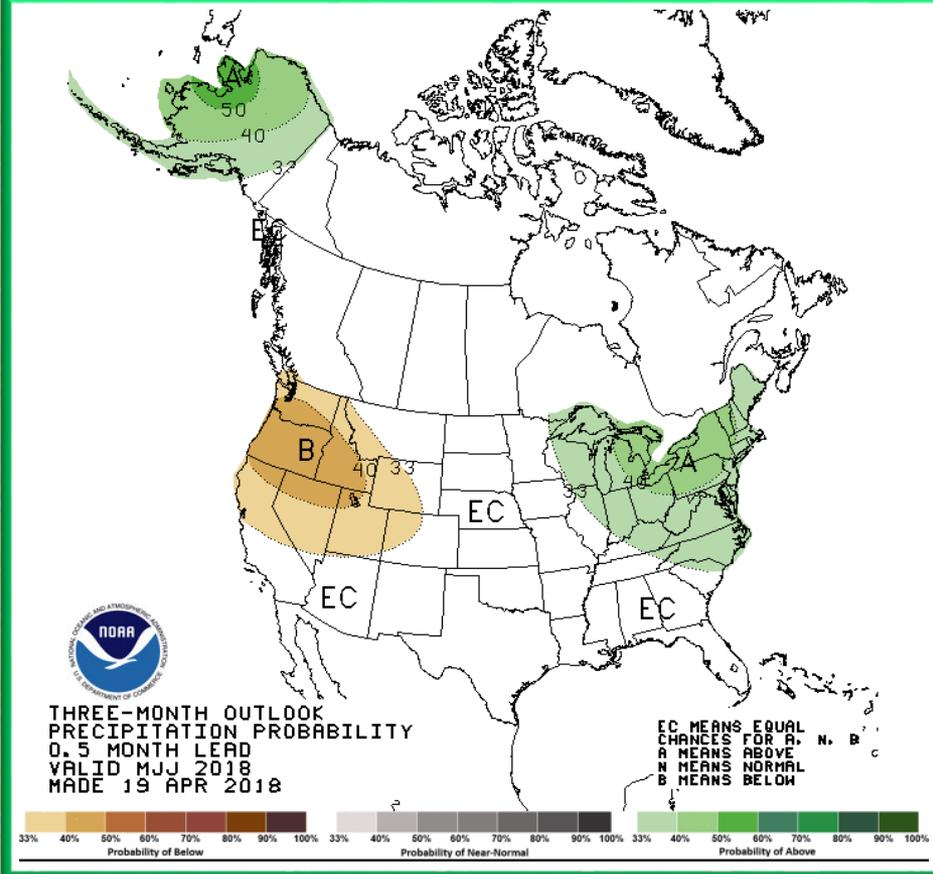
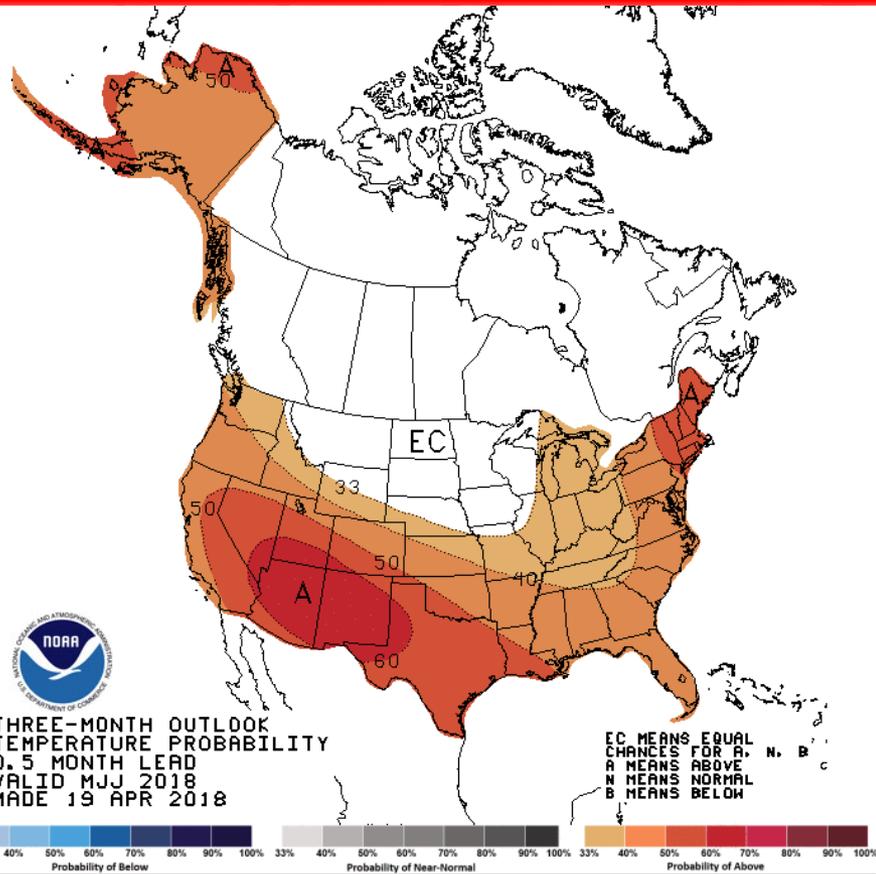
Precipitation



Temperature and precipitation outlook For May-July 2018

Temperature

Precipitation



Temperature Outlook Through July 2019

May 2018



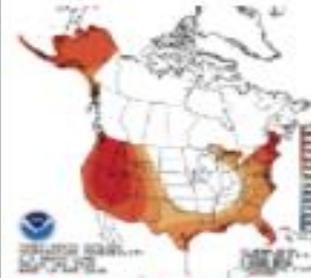
May-Jun-Jul
2018



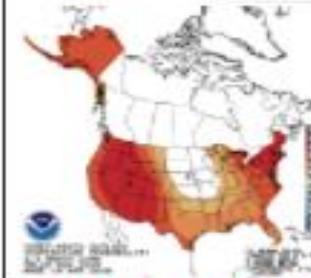
Jun-Jul-Aug
2018



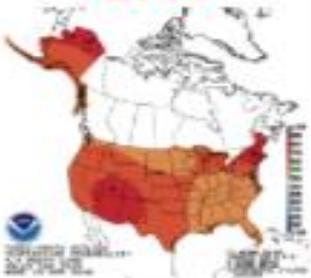
Jul-Aug-Sep
2018



Aug-Sep-Oct
2018



Sep-Oct-Nov
2018



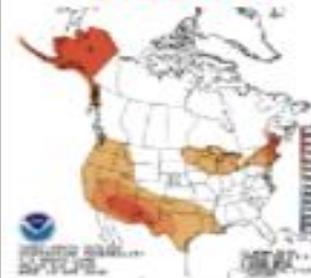
Oct-Nov-Dec
2018



Nov-Dec-Jan
2018/19



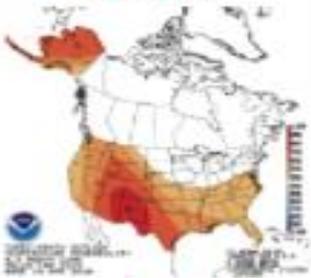
Dec-Jan-Feb
2018/19



Jan-Feb-Mar
2019



Feb-Mar-Apr
2019



Mar-Apr-May
2019



Apr-May-Jun
2019

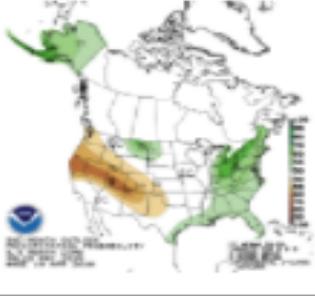


May-Jun-Jul
2019

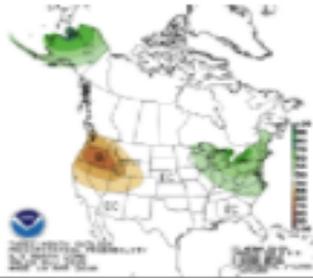


Precipitation Outlook Through July 2019

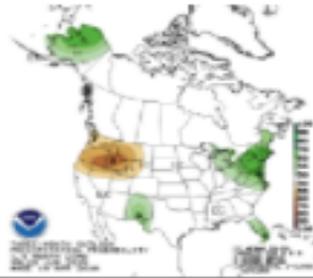
May 2018



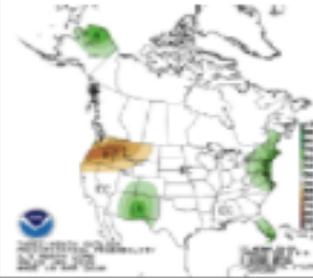
**May-Jun-Jul
2018**



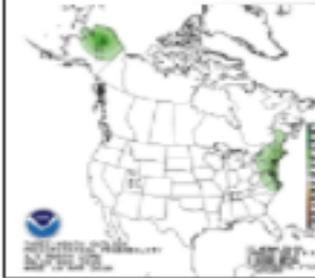
**Jun-Jul-Aug
2018**



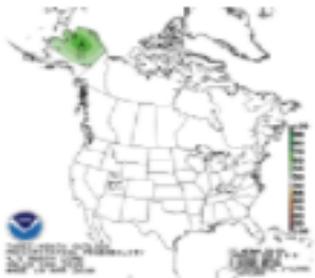
**Jul-Aug-Sep
2018**



**Aug-Sep-Oct
2018**



**Sep-Oct-Nov
2018**



**Oct-Nov-Dec
2018**



**Nov-Dec-Jan
2018/19**



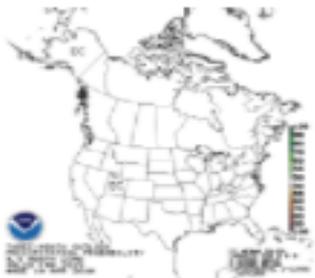
**Dec-Jan-Feb
2018/19**



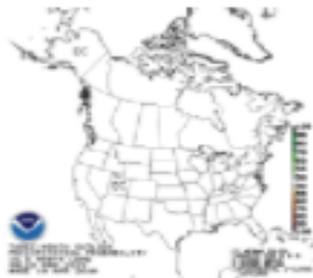
**Jan-Feb-Mar
2019**



**Feb-Mar-Apr
2019**



**Mar-Apr-May
2019**



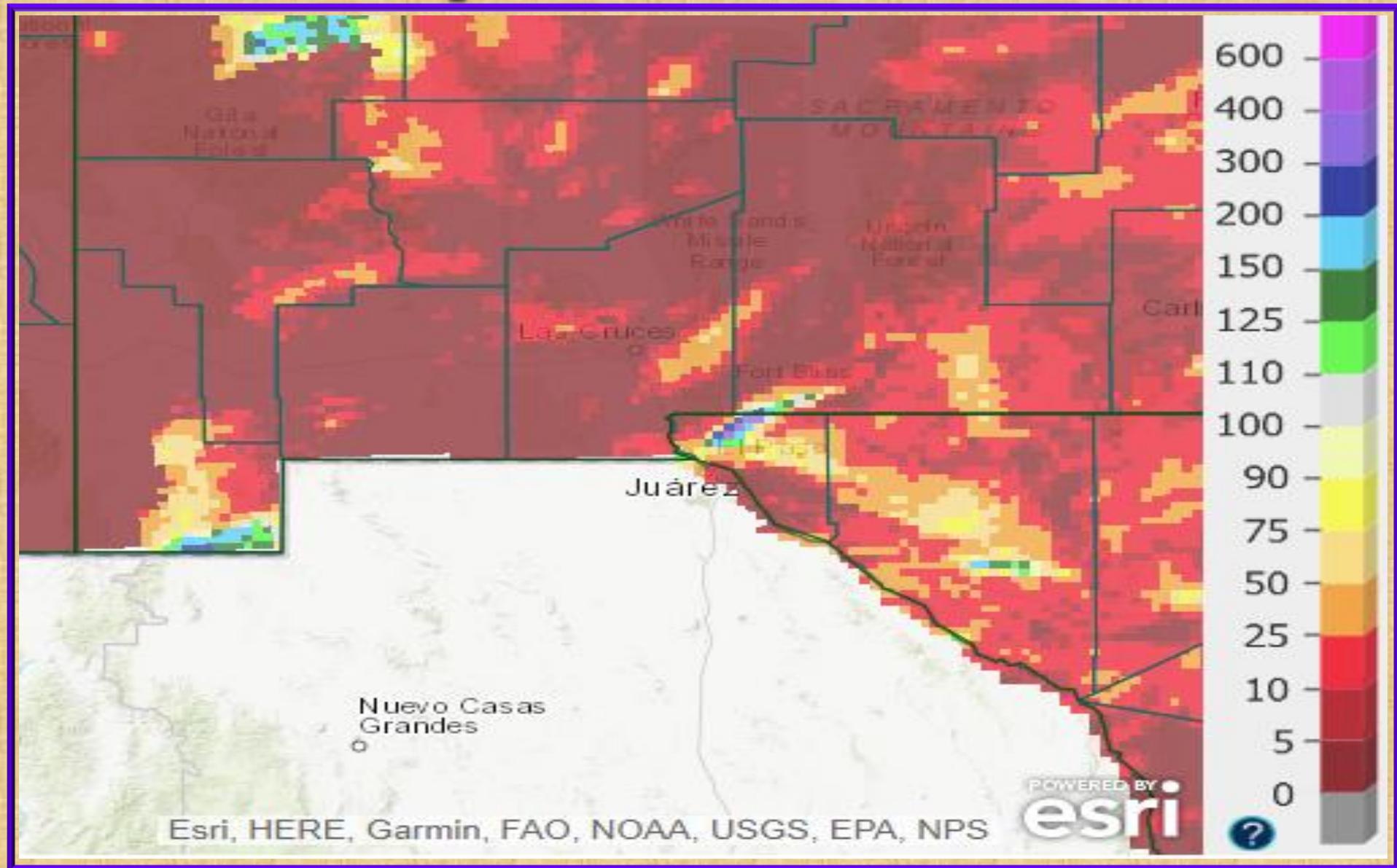
**Apr-May-Jun
2019**



**May-Jun-Jul
2019**

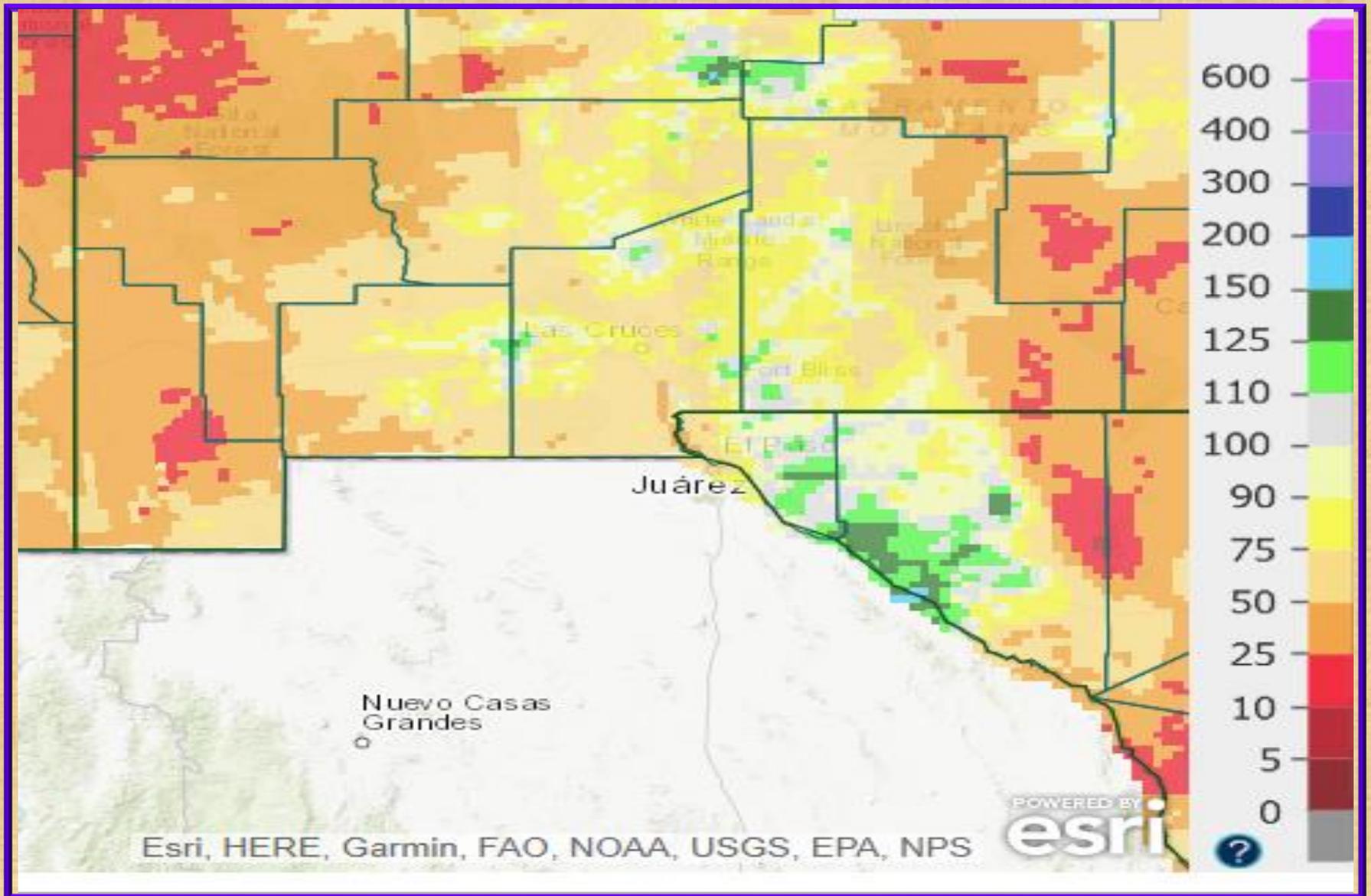


April 2018 radar rainfall estimate percent of normal



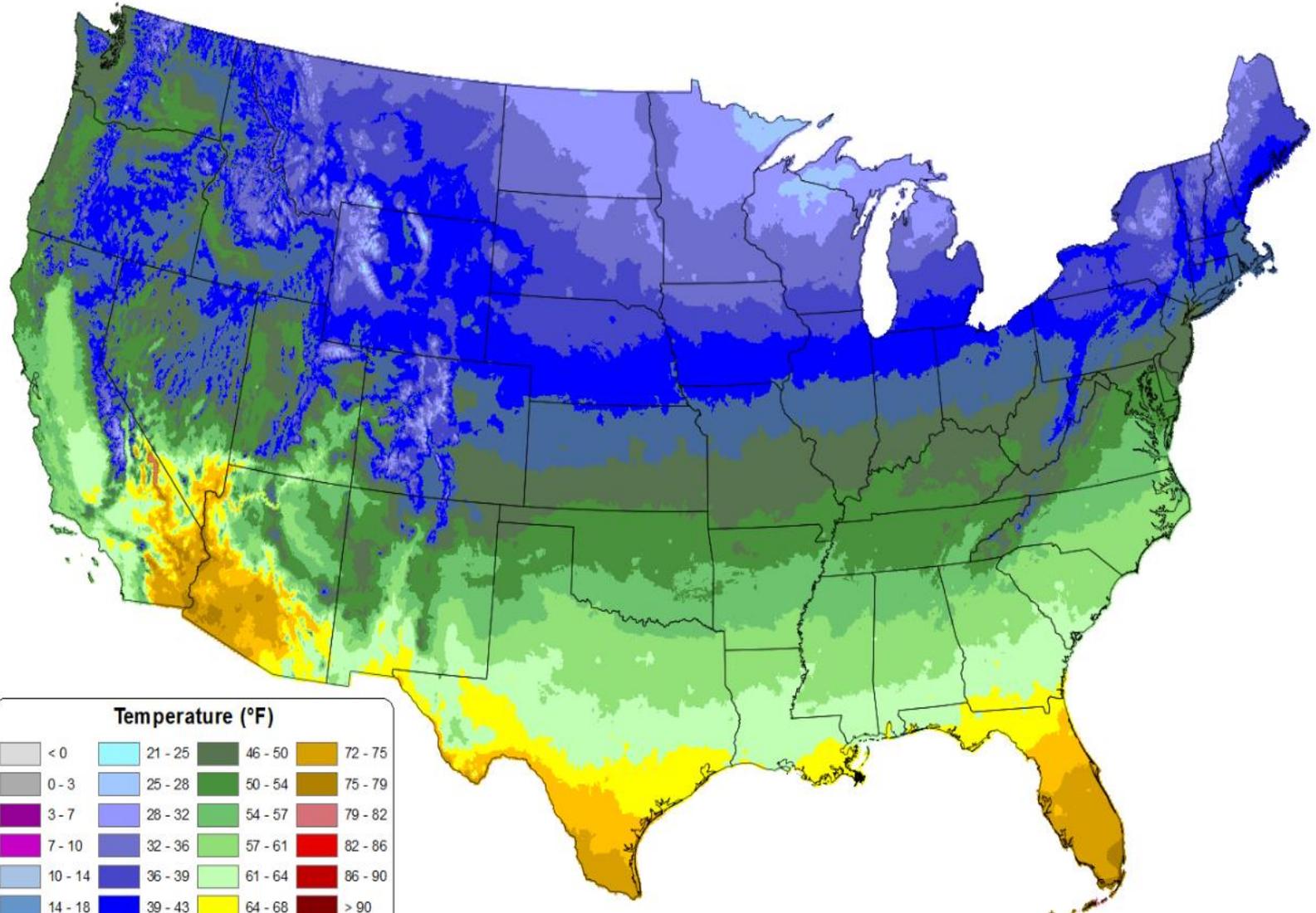
Oct through April 30 (Water Year to date)

Percent of Normal



Average Daily Mean Temperature for April 2018

(map created 02 May 2018)

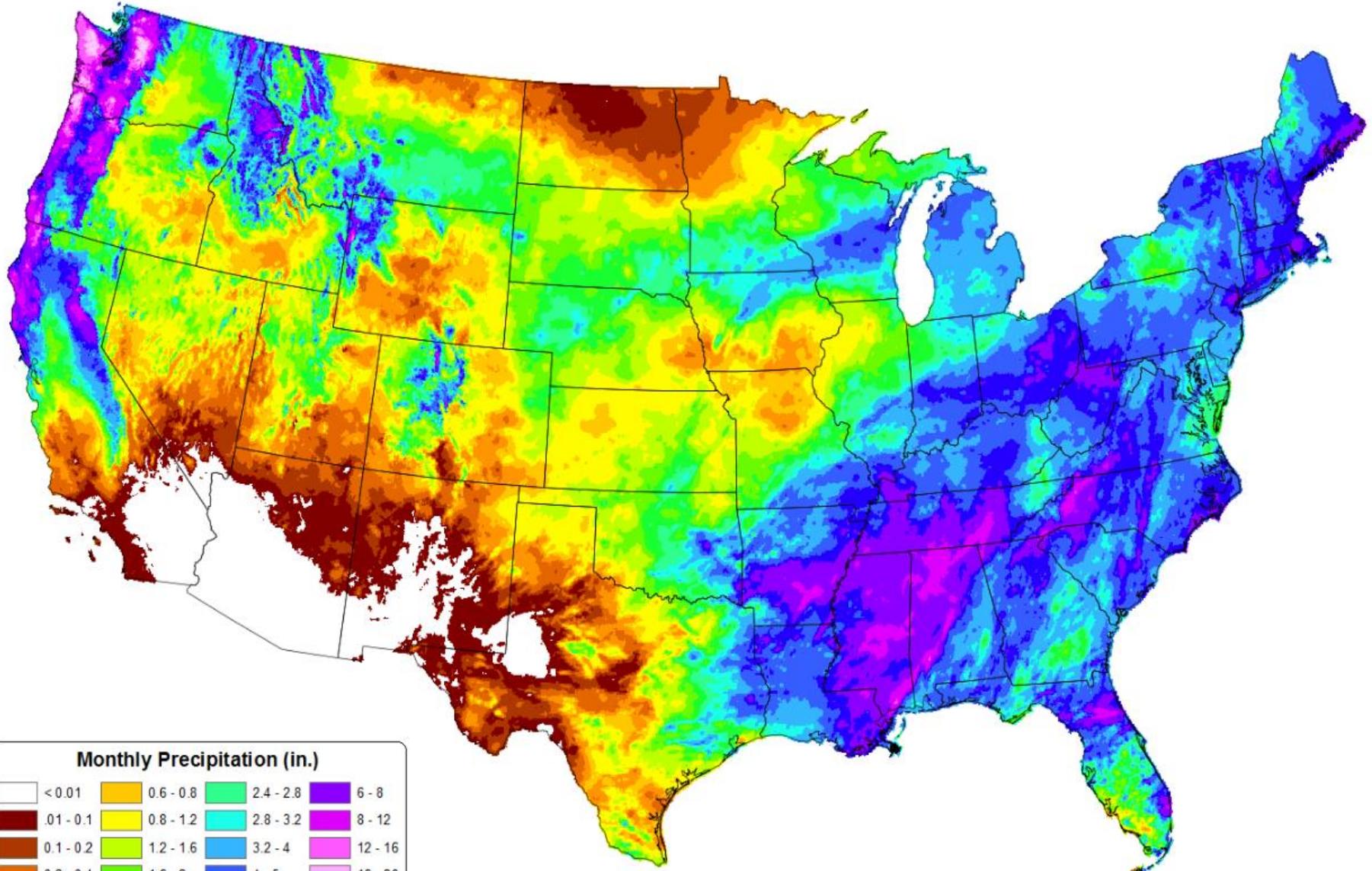


Temperature (°F)

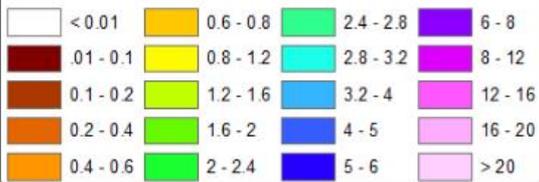
< 0	21 - 25	46 - 50	72 - 75
0 - 3	25 - 28	50 - 54	75 - 79
3 - 7	28 - 32	54 - 57	79 - 82
7 - 10	32 - 36	57 - 61	82 - 86
10 - 14	36 - 39	61 - 64	86 - 90
14 - 18	39 - 43	64 - 68	> 90
18 - 21	43 - 46	68 - 72	

Total Precipitation for April 2018

(map created 02 May 2018)



Monthly Precipitation (in.)



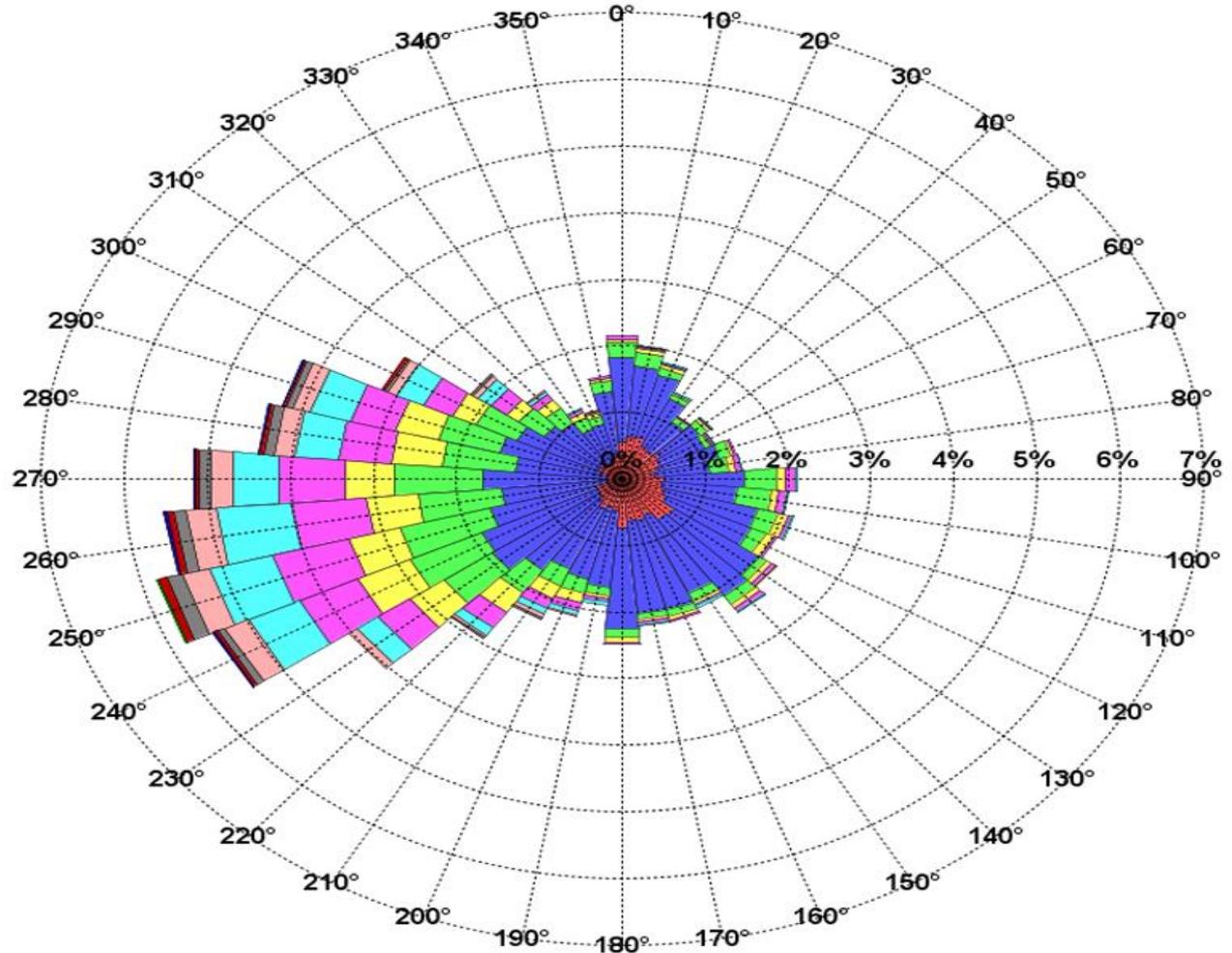
Special Features

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

Month: APRIL
Calm: 6.66%
Variable: 2.29%

WindRose - KELP - EL PASO INTL
% Frequency of Wind Speed from a Direction
POR:19730101-20140602

- 1 – 5 mph
- 6 – 10 mph
- 11 – 16 mph
- 17 – 22 mph
- 23 – 28 mph
- 29 – 33 mph
- 34 – 39 mph
- 40 – 45 mph
- 46 – 51 mph
- 52 – 56 mph
- 57 mph or more



Selected weather reports April 2018

Date/Time	Location (County)	Event
APRIL 2 550 PM	SAN AUGUSTIN PASS-DONA ANA	63 MPH PEAK WIND GUST
APRIL 2 523 PM	RODEO 3NE-HIDALGO	49 MPH PEAK WIND GUST
APRIL 2 601 PM	MAYHILL 1NE-OTERO	45 MPH PEAK WIND GUST
APRIL 2 405 PM	WSMR MAIN POST-DONA ANA	43 MPH PEAK WIND GUST
APRIL 2 715 PM	SUNSPOT 1S-OTERO	44 MPH PEAK WIND GUST
APRIL 2 604 PM	EL PASO AIRPORT-EL PASO	40 MPH PEAK WIND GUST
APRIL 2 426 PM	DRIPPING SPRINGS-DONA ANA	40 MPH PEAK WIND GUST
APRIL 8 250 PM	SAN AUGUSTIN PASS-DONA ANA	70 MPH PEAK WIND GUST
APRIL 8 500 PM	EL PASO 10 NE-EL PASO	69 MPH PEAK WIND GUST
APRIL 8 214 PM	DEMING 4SE-LUNA	50 MPH PEAK WIND GUST
APRIL 8 745 AM	WSMR MAIN POST-DONA ANA	49 MPH PEAK WIND GUST
APRIL 8 500 PM	LAS CRUCES 6SW-DONA ANA	48 MPH PEAK WIND GUST
APRIL 8 1100 AM	OROGRANDE 4NW-OTERO	47 MPH PEAK WIND GUST
APRIL 8 258 PM	EL PASO AIRPORT-EL PASO	46 MPH PEAK WIND GUST
APRIL 8 515 PM	LAS CRUCES AIRPORT-DONA ANA	45 MPH PEAK WIND GUST

Selected weather reports April 2018

Date/Time	Location (County)	Event
APRIL 8 214 PM	SANTA TERESA 5NW-DONA ANA	44 MPH PEAK WIND GUST
APRIL 8 232 PM	MAYHILL 3NW-OTERO	44 MPH PEAK WIND GUST
APRIL 8 203 PM	FAYWOOD-GRANT	41 MPH PEAK WIND GUST
APRIL 8 434 PM	ROAD FORKS 5NE-HIDALGO	41 MPH PEAK WIND GUST
APRIL 13 610 AM	SAN AUGUSTIN PASS-DONA ANA	81 MPH PEAK WIND GUST
APRIL 13 705 AM	WSMR MAIN POST-DONA ANA	70 MPH PEAK WIND GUST
APRIL 13 946 AM	EL PASO 6NE-EL PASO	69 MPH PEAK WIND GUST
APRIL 13 249 PM	SUNSPOT-OTERO	61 MPH PEAK WIND GUST
APRIL 13 1031 AM	SANTA TERESA 5 NW-DONA ANA	58 MPH PEAK WIND GUST
APRIL 13 1208 PM	DELL CITY 1N-HUDSPETH	57 MPH PEAK WIND GUST
APRIL 13 141 PM	HIGH ROLLS 1SW-OTERO	57 MPH PEAK WIND GUST
APRIL 13 723 AM	EL PASO AIRPORT-EL PASO	55 MPH PEAK WIND GUST
APRIL 13 100 PM	CHAPARRAL 2E-DONA ANA	54 MPH PEAK WIND GUST
APRIL 13 1200 PM	LAS CRUCES 6SW-DONA ANA	54 MPH PEAK WIND GUST
APRIL 13 109 PM	DEMING 4SE-LUNA	53 MPH PEAK WIND GUST

Selected weather reports April 2018

Date/Time	Location (County)	Event
APRIL 13 200 PM	SUNLAND PARK-DONA ANA	50 MPH PEAK WIND GUST
APRIL 13 126 AM	DRIPPING SPRINGS-DONA ANA	48 MPH PEAK WIND GUST
APRIL 13 259 PM	REDROCK-GRANT	47 MPH PEAK WIND GUST
APRIL 13 215 PM	GRANT CO AIRPORT-GRANT	47 MPH PEAK WIND GUST
APRIL 19 830 PM	EL PASO 3NW-EL PASO	1.00 INCH HEAVY RAIN
APRIL 27 1253 AM	DELL CITY 15NE-HUDSPETH	56 MPH PEAK WIND GUST
APRIL 27 1226 AM	DRIPPING SPRINGS-DONA ANA	55 MPH PEAK WIND GUST
APRIL 26 918 PM	HIGH ROLLS 1SW-OTERO	54 MPH PEAK WIND GUST
APRIL 27 200 AM	LAS CRUCES 10NE-DONA AN	52 MPH PEAK WIND GUST
APRIL 27 1243 AM	EL PASO 11NW-EL PASO	51 MPH PEAK WIND GUST
APRIL 26 904 PM	SUNSPOT-OTERO	47 MPH PEAK WIND GUST
APRIL 27 627 AM	RODEO 9NE-HIDALGO	44 MPH PEAK WIND 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 >](#)

Customize Your Weather.gov

City, ST

Enter Your City, ST or ZIP Code

Remember Me

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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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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.