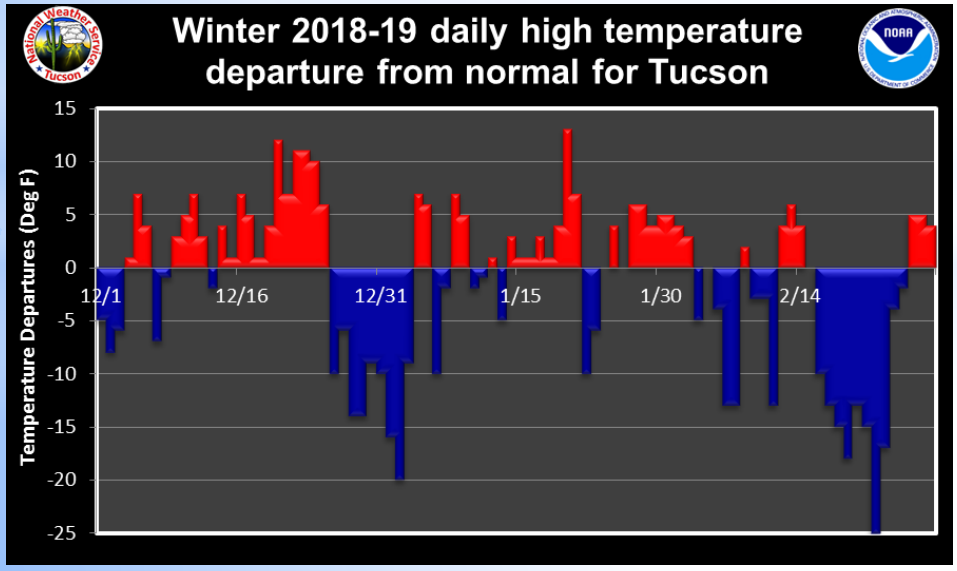
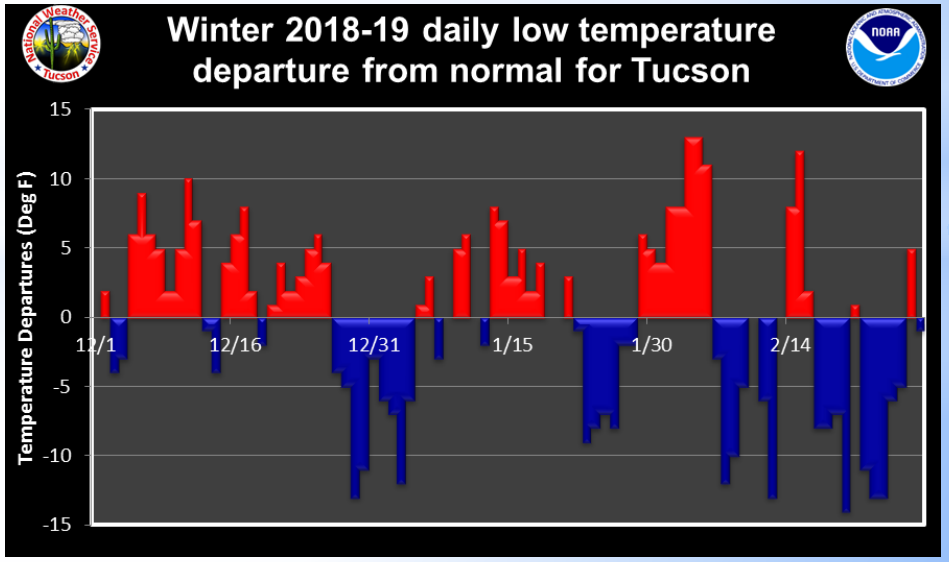
Winter 2018-2019

Erin Boyle
Service Hydrologist
NWS Tucson, Arizona
Pima County LDIG Meeting
March 13, 2019

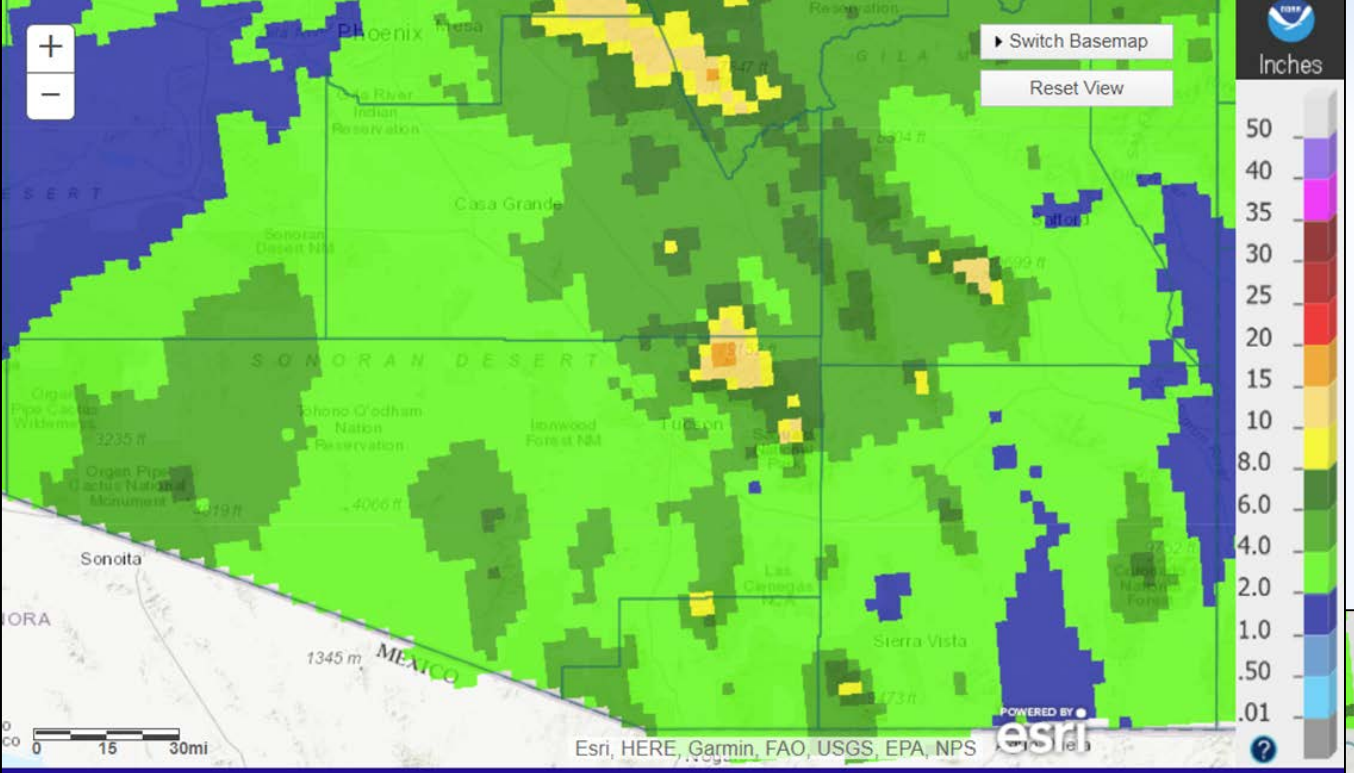
Winter 2018-2019 Highlights

* 14th Snowiest, 15th Wettest, and 59th Warmest
* 4.62” Precipitation (Normal 2.73”)
* 2.3” Snow (Normal 0.6”)
* 14 days with lows 32° or colder (Normal 10 days)
* Water Year precipitation Oct-Feb 7.56” (Normal 4.19” & 2017-2018 Winter 2.57”)
* Weak El Nino conditions began in February

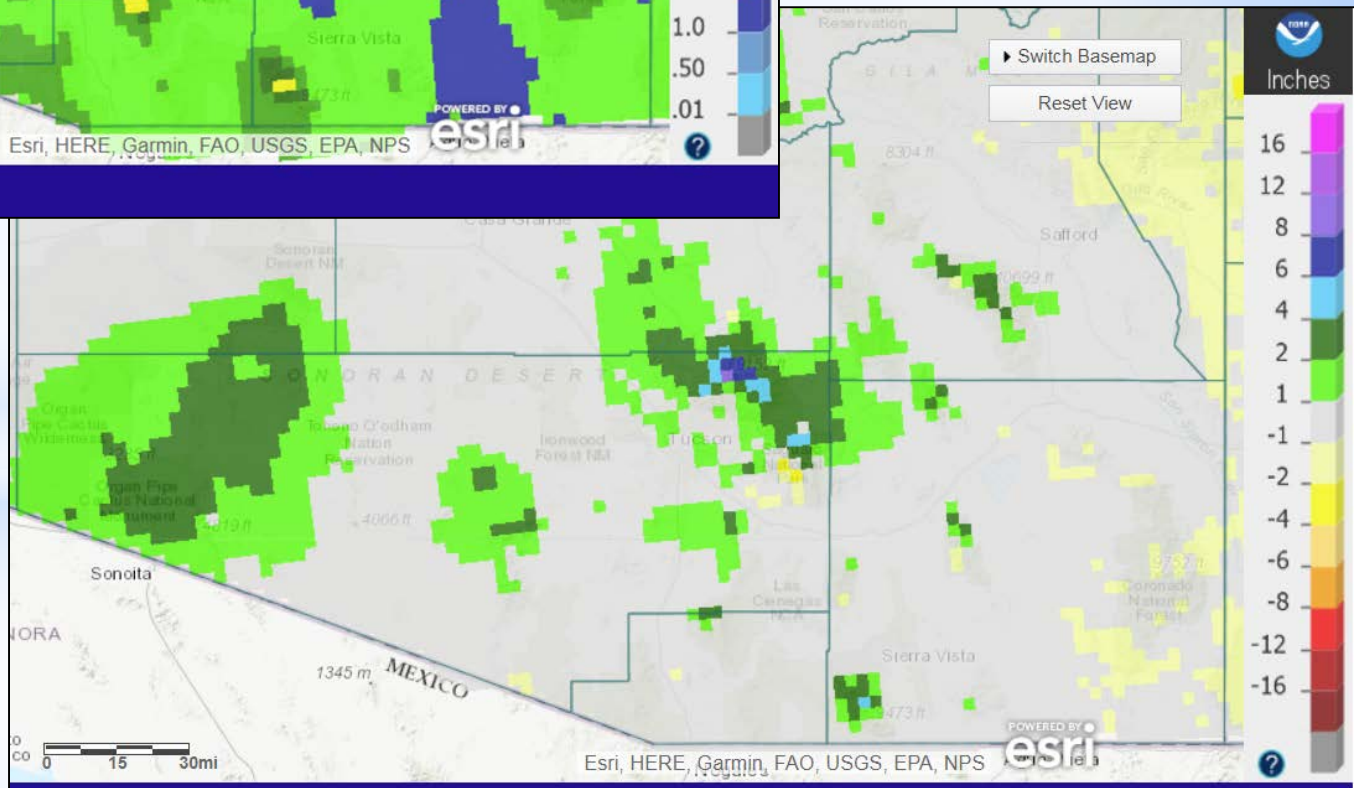




Winter 2018-2019



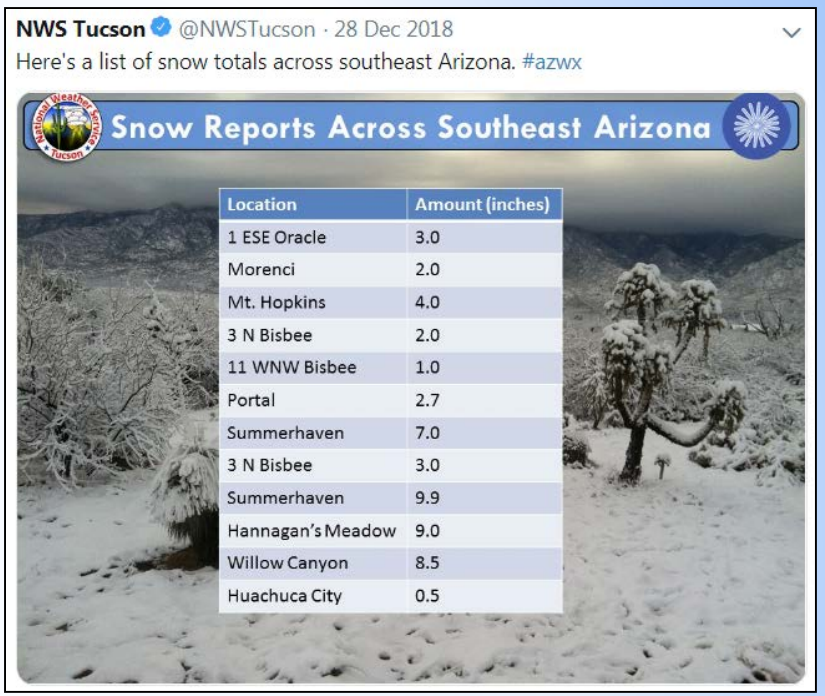
Tucson, AZ: Last 90-Day Observed Precipitation



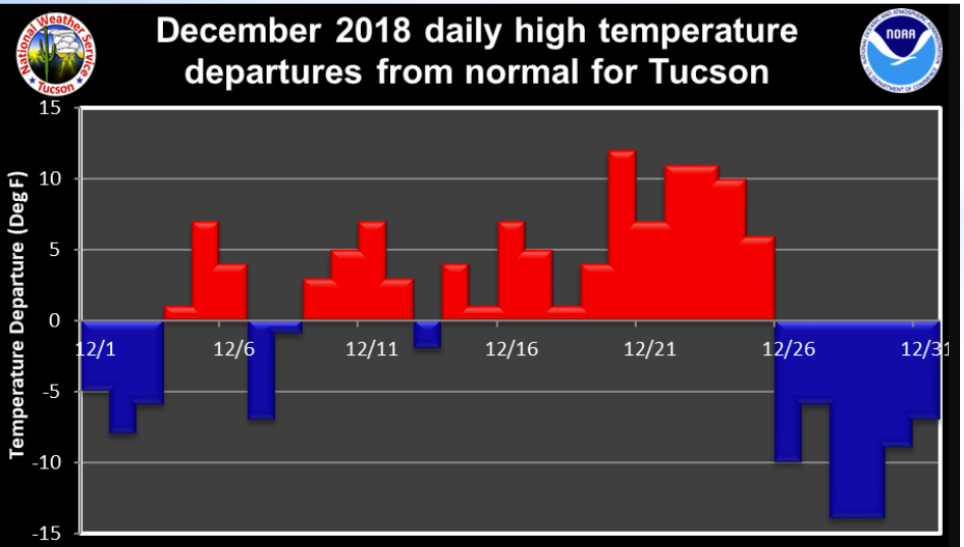
Tucson, AZ: Last 90-Day Departure from Normal Precipitation

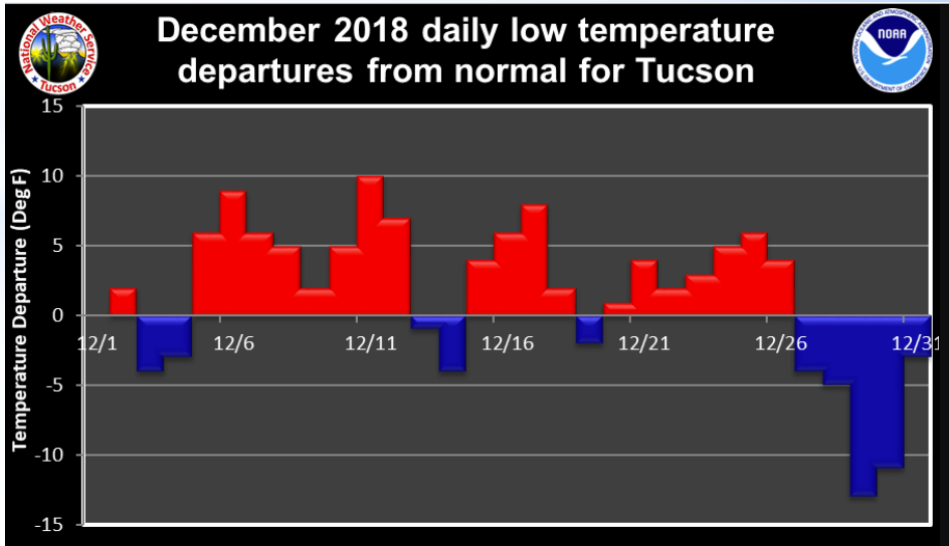
DECEMBER 2018

- 29th Wettest and 35th Warmest
- 1.50” Rainfall (Normal 0.93”)
- Rainlog & Pima ALERT gages recorded 0.5” to over 1.6”
- Cool temps & snow to end the year

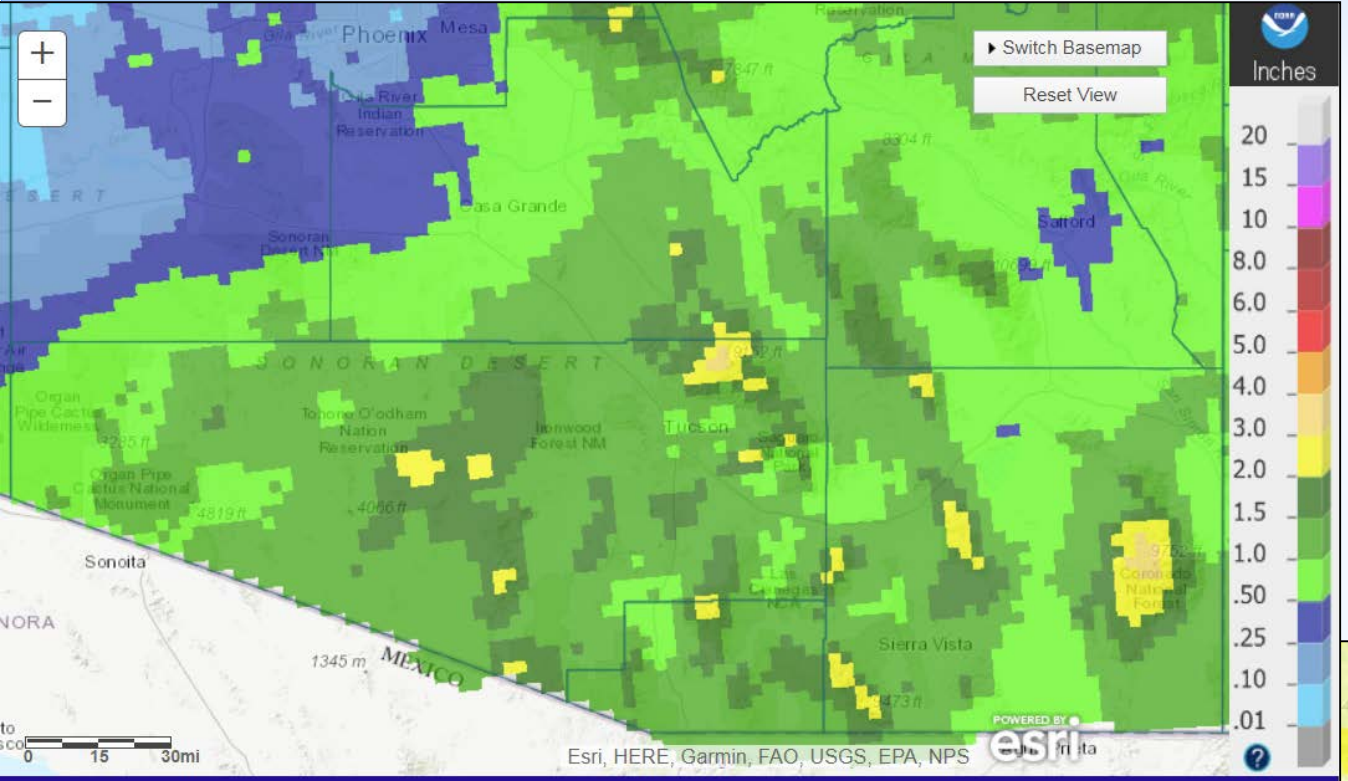


Location	Amount (inches)
1 ESE Oracle	3.0
Morenci	2.0
Mt. Hopkins	4.0
3 N Bisbee	2.0
11 WNW Bisbee	1.0
Portal	2.7
Summerhaven	7.0
3 N Bisbee	3.0
Summerhaven	9.9
Hannagan’s Meadow	9.0
Willow Canyon	8.5
Huachuca City	0.5

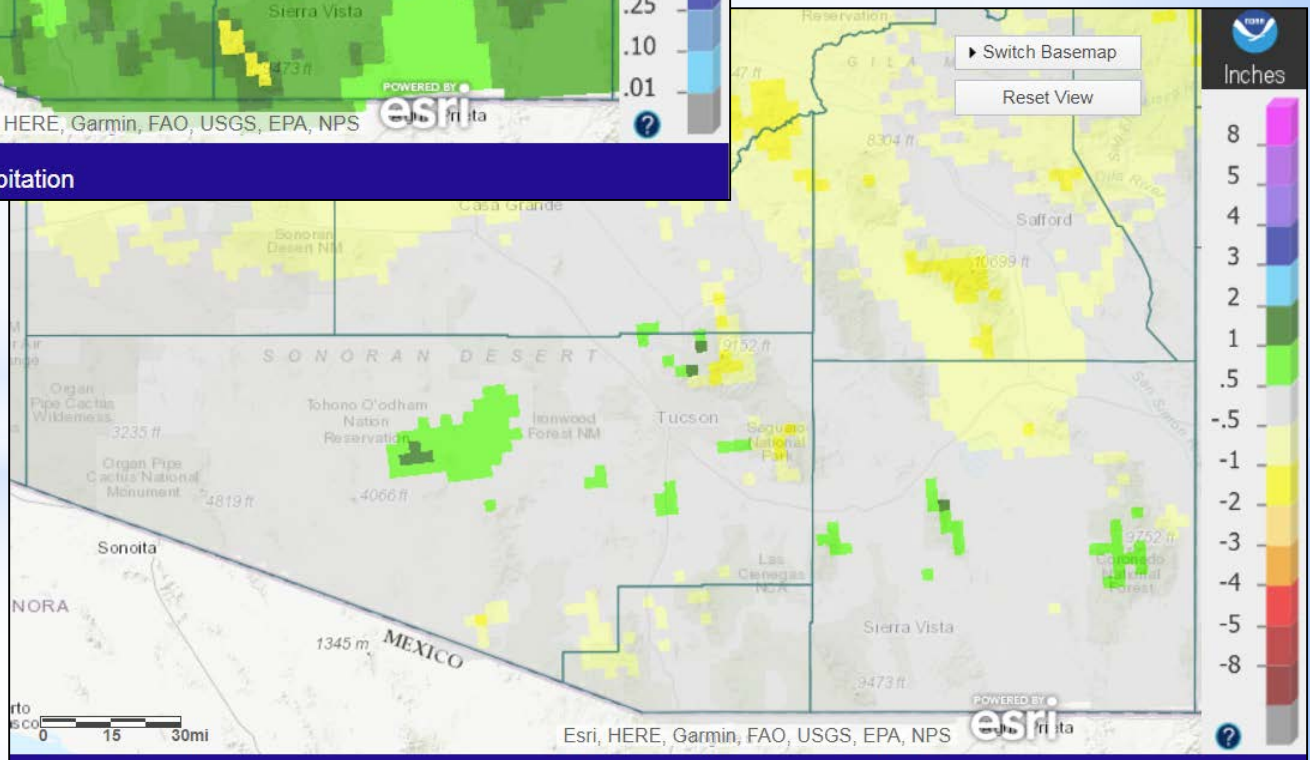




DECEMBER 2018



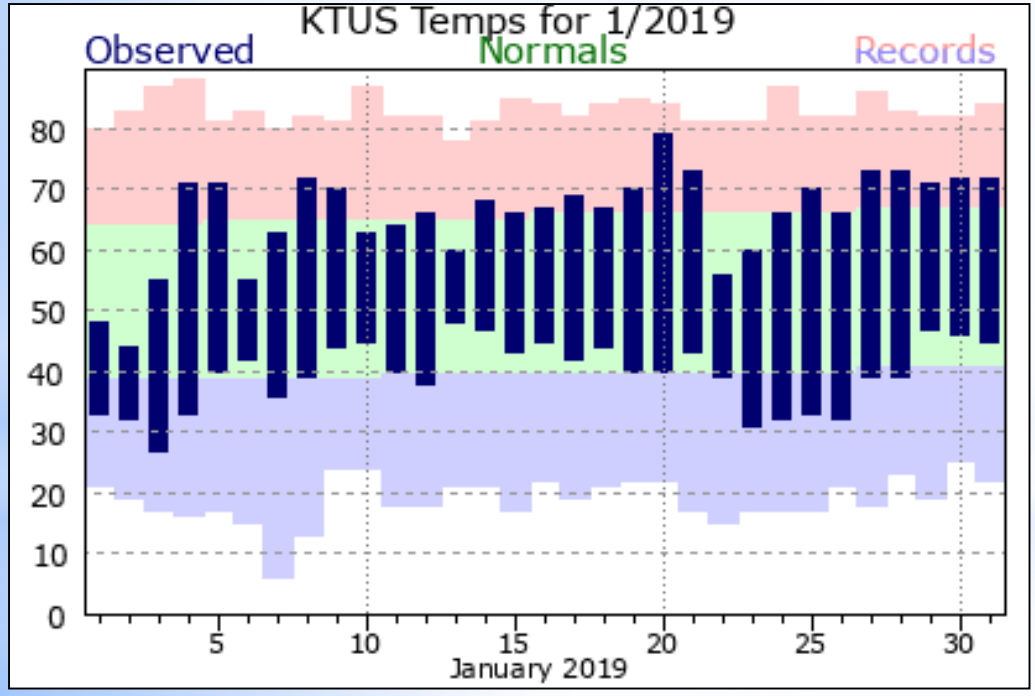
Tucson, AZ: December, 2018 Monthly Observed Precipitation

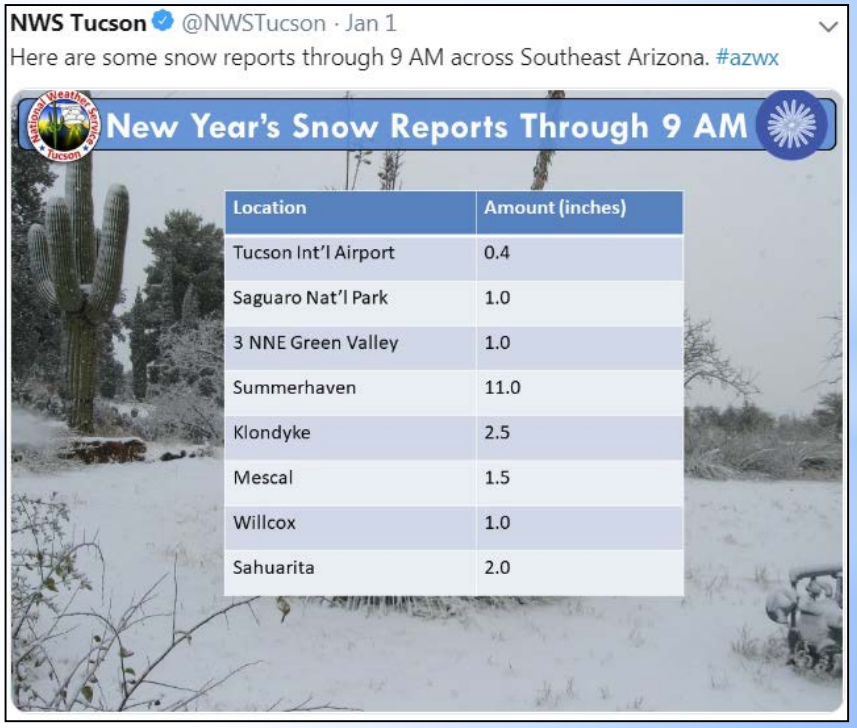


Tucson, AZ: December, 2018 Monthly Departure from Normal Precipitation

JANUARY 2019

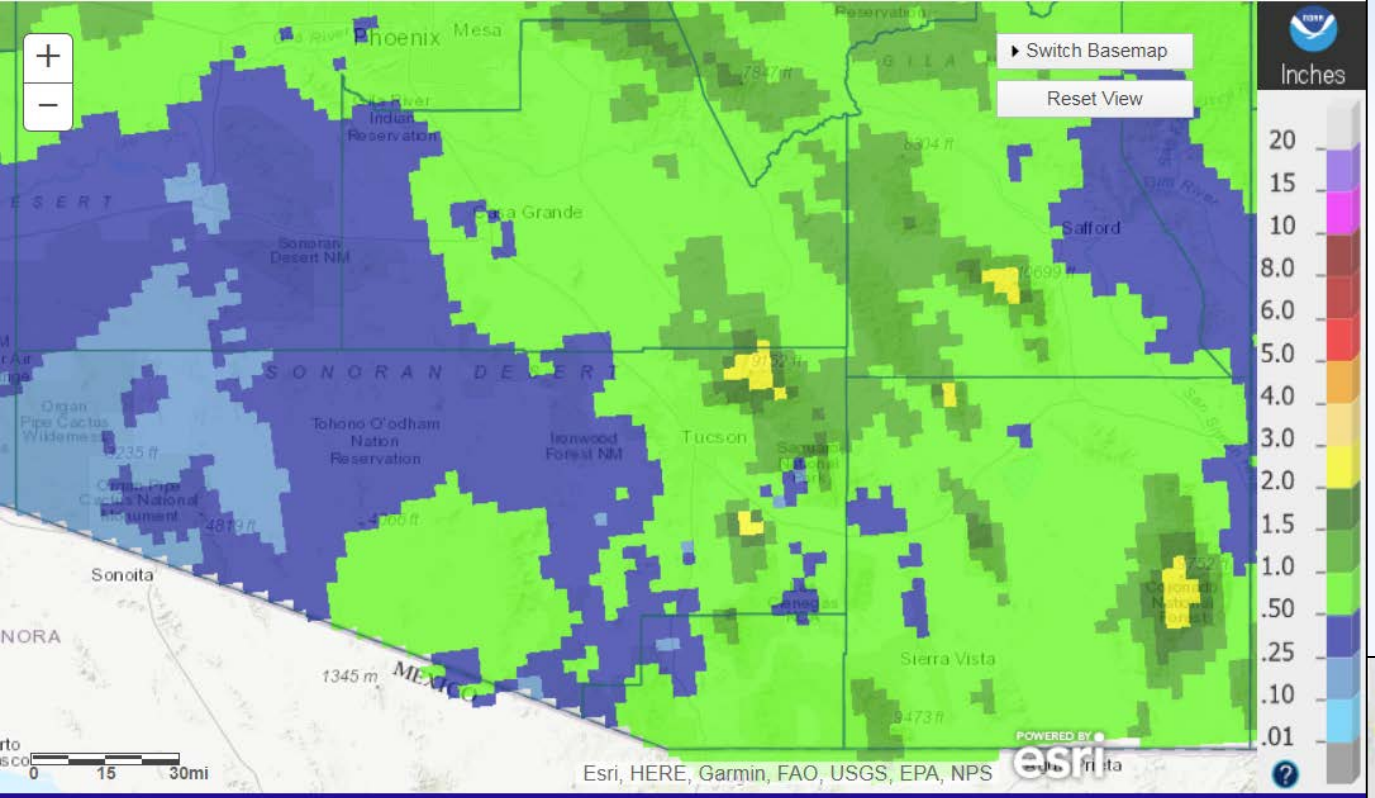
- *41st Wettest and 39th Warmest
- *1.09” Rainfall (Normal 0.94”)
- *Rainlog & Pima ALERT gages recorded 0.5” to over 2”
- *Snow on New Year’s Day



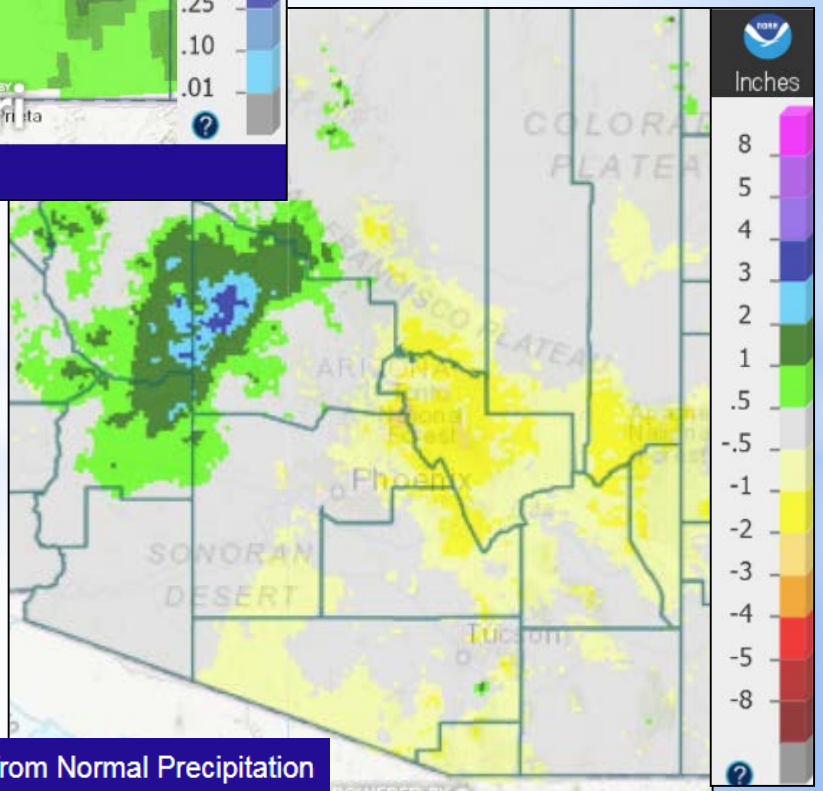


Location	Amount (inches)
Tucson Int’l Airport	0.4
Saguaro Nat’l Park	1.0
3 NNE Green Valley	1.0
Summerhaven	11.0
Klondyke	2.5
Mescal	1.5
Willcox	1.0
Sahuarita	2.0

JANUARY 2019



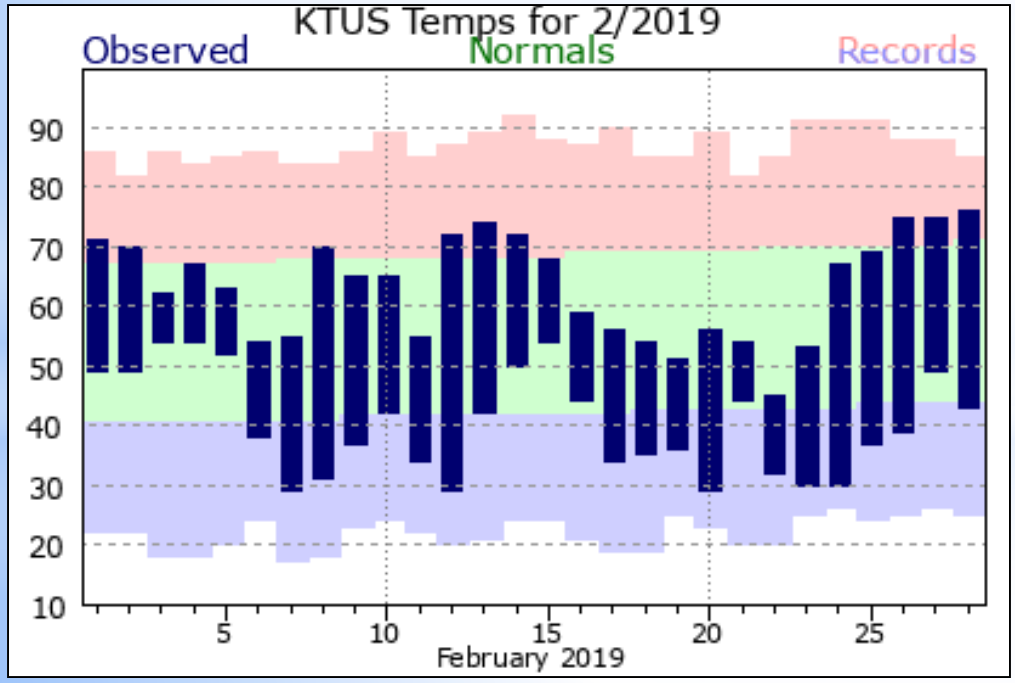
Tucson, AZ: January, 2019 Monthly Observed Precipitation



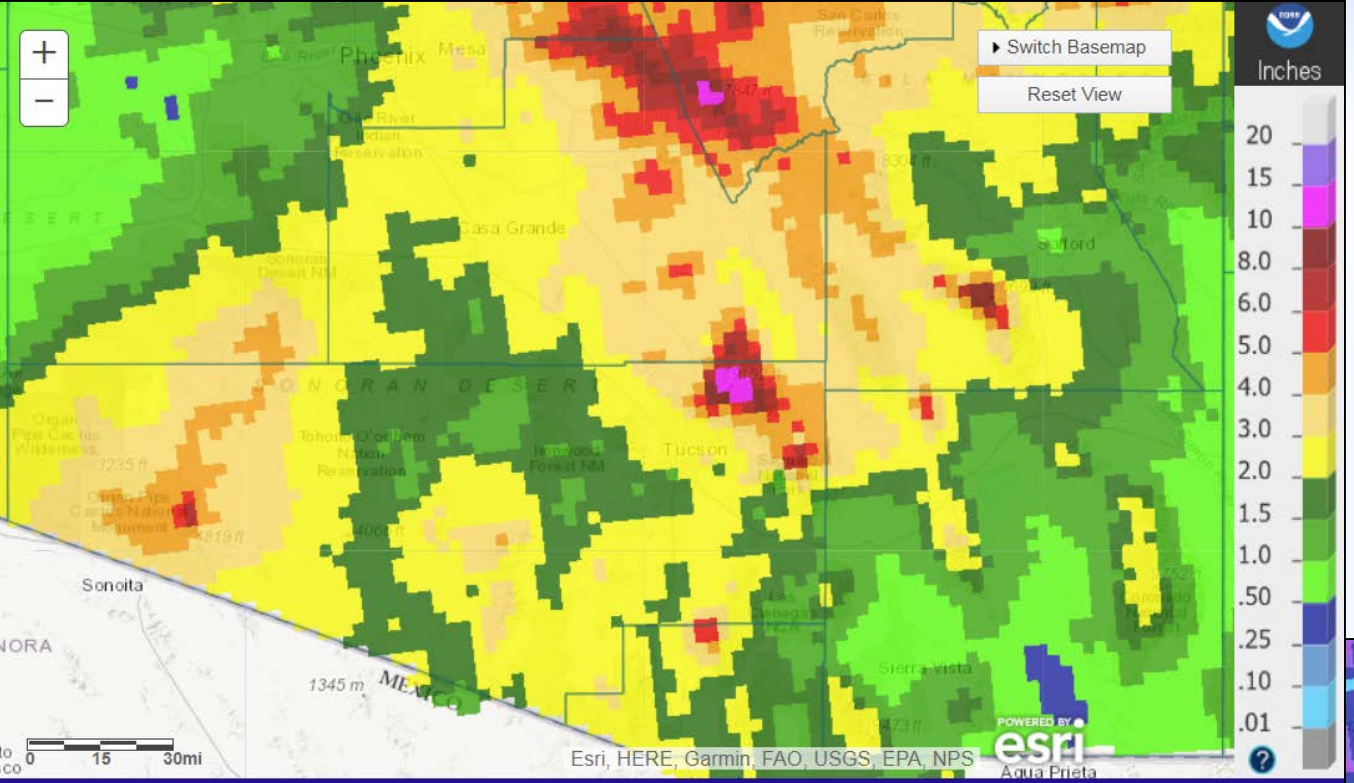
Arizona: January, 2019 Monthly Departure from Normal Precipitation

FEBRUARY 2019

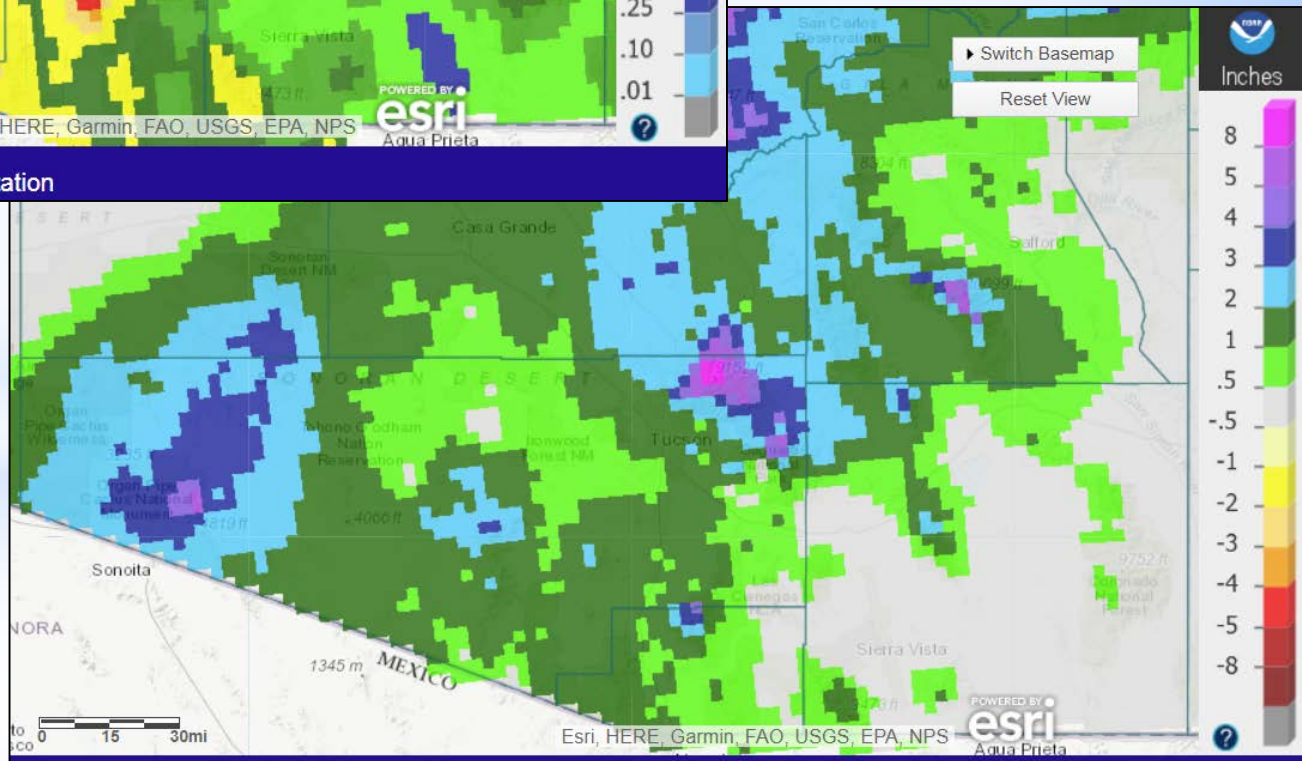
* 8th Snowiest, 9th Wettest, and 31st Coolest
* 2.03” Precipitation (0.86” Normal)
* Rainlog & Pima ALERT gages recorded 1.75” to over 4”
* 1.9” Snow (0.01” Normal)



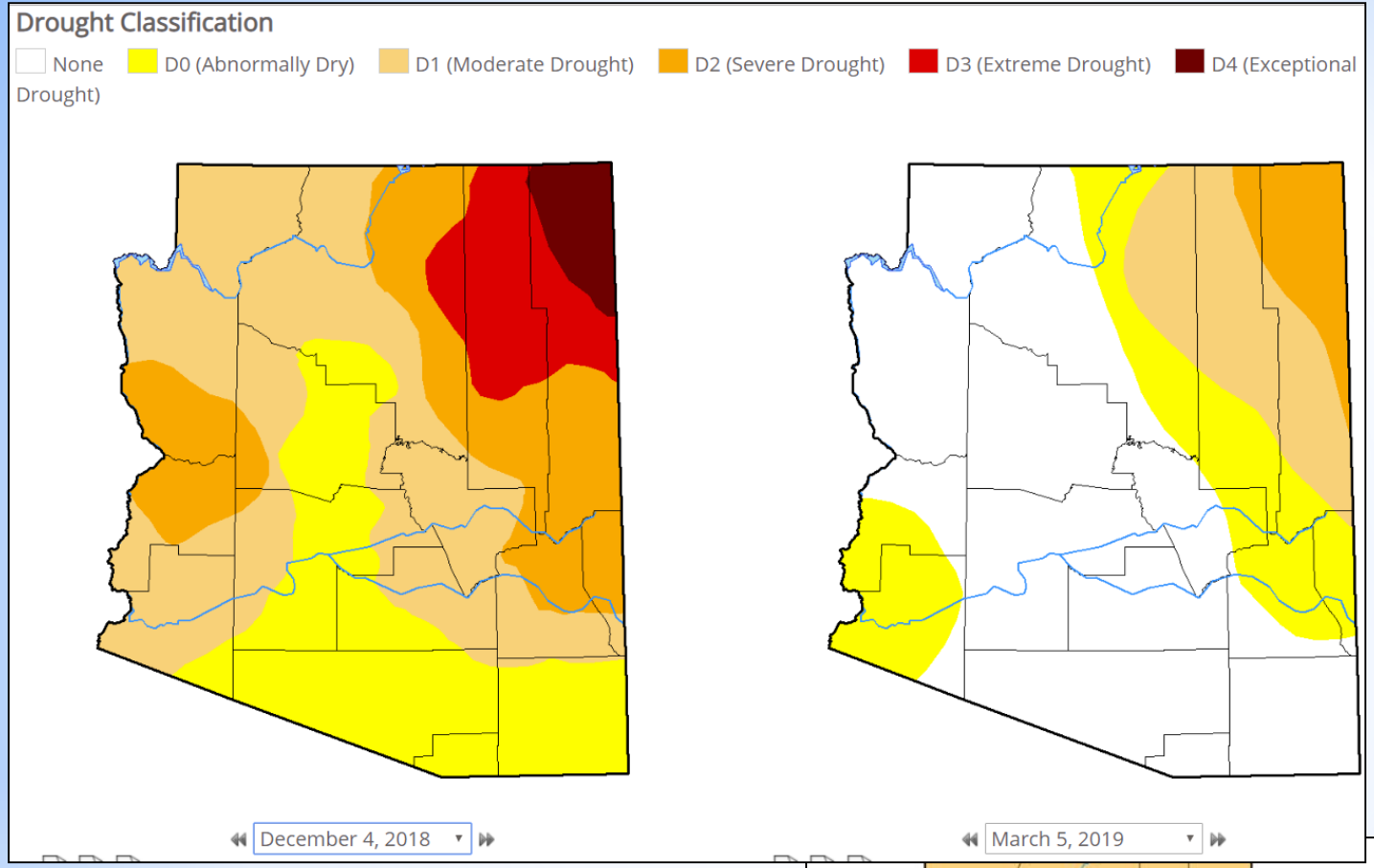
FEBRUARY 2019



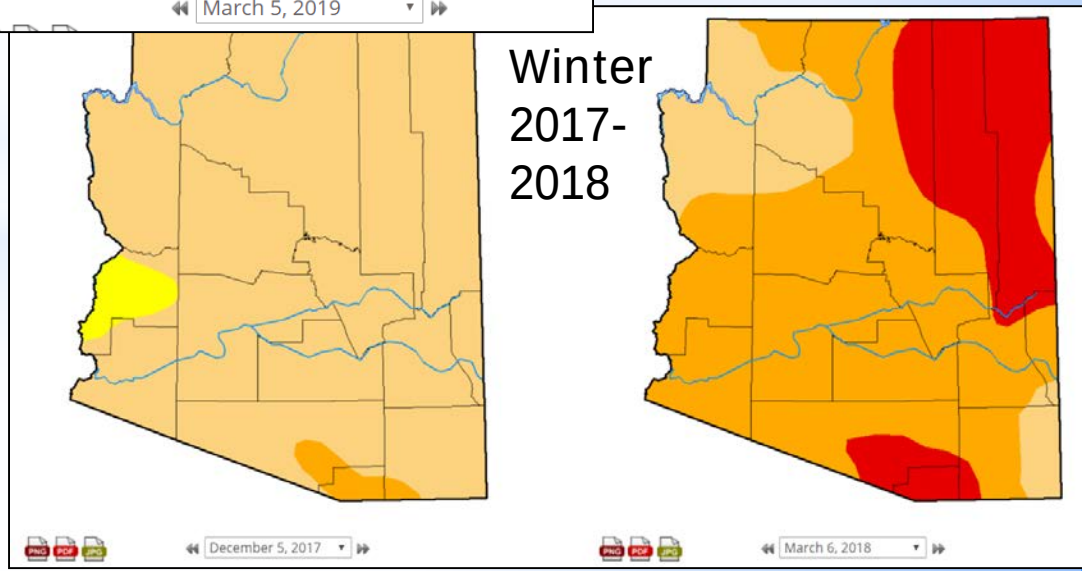
Tucson, AZ: February, 2019 Monthly Observed Precipitation



Tucson, AZ: February, 2019 Monthly Departure from Normal Precipitation



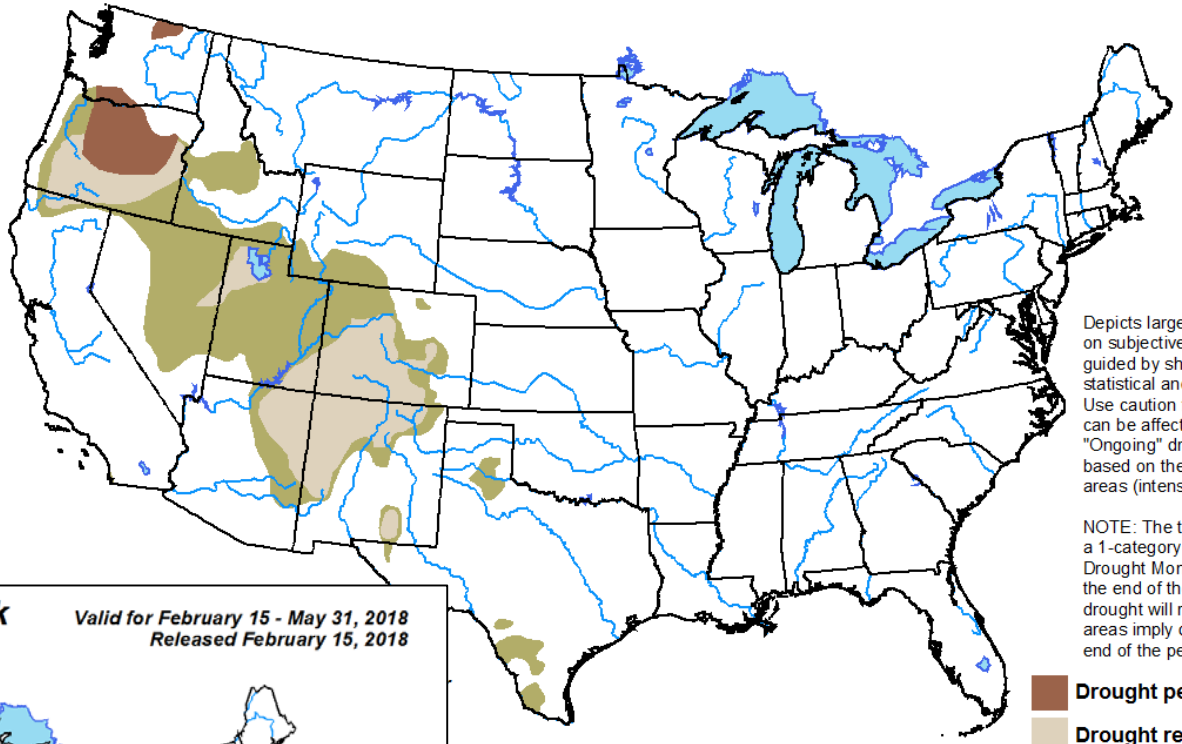
Drought Conditions



U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

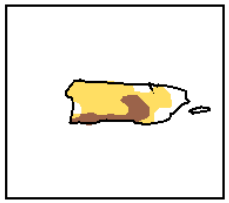
Valid for February 21 - May 31, 2019
Released February 21



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).

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

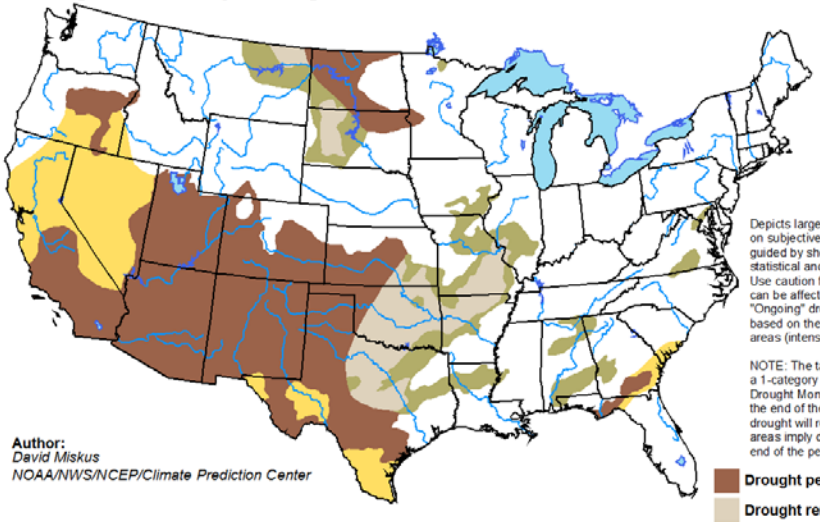


http://go.usa.gov/3eZ73

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for February 15 - May 31, 2018
Released February 15, 2018



Author:
David Miskus
NOAA/NWS/NCEP/Climate Prediction Center

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).

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- **Drought persists**
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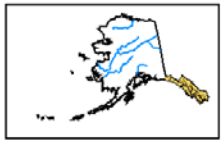
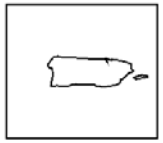
- **Drought removal likely**
- **Drought development likely**





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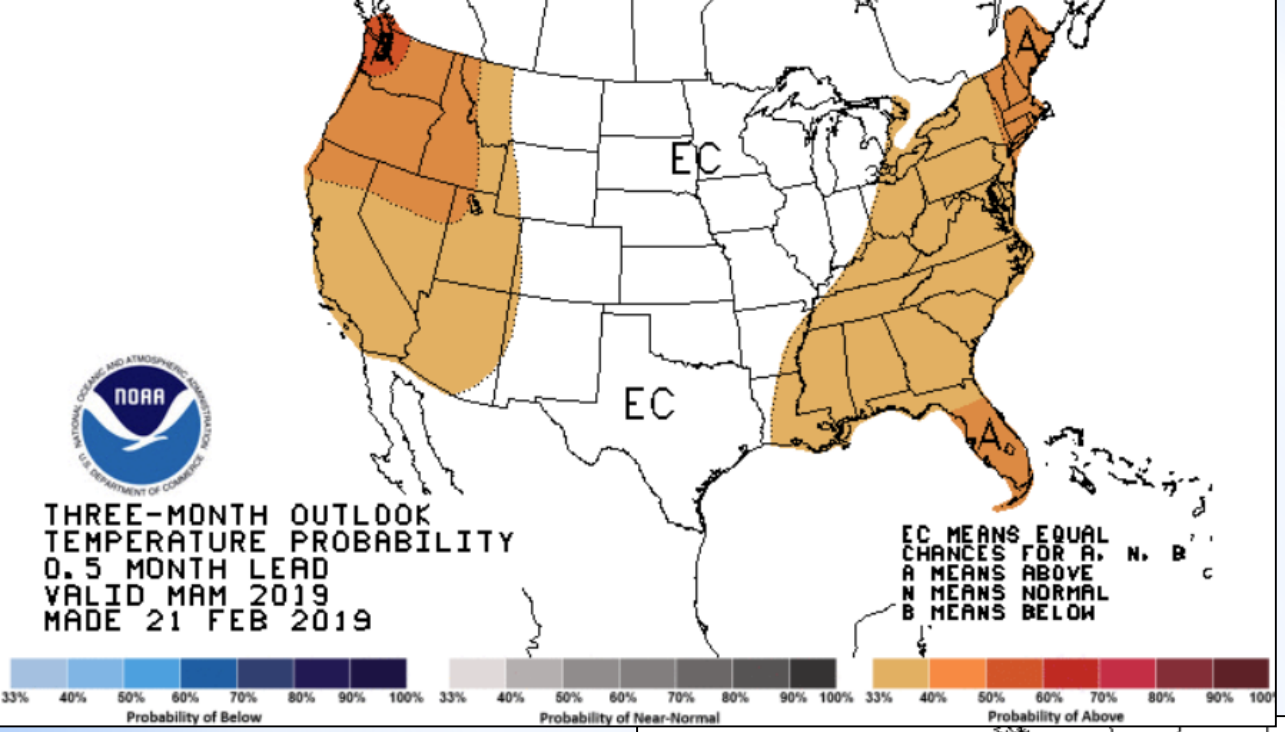
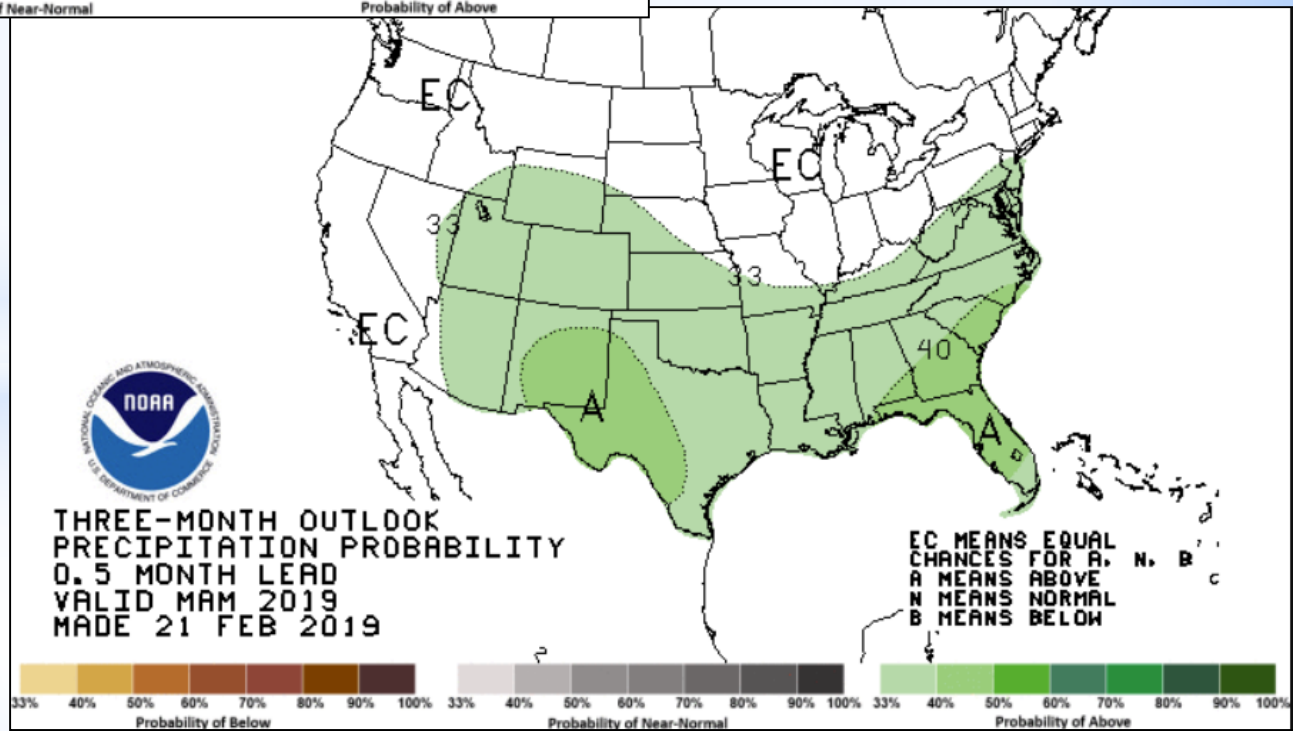
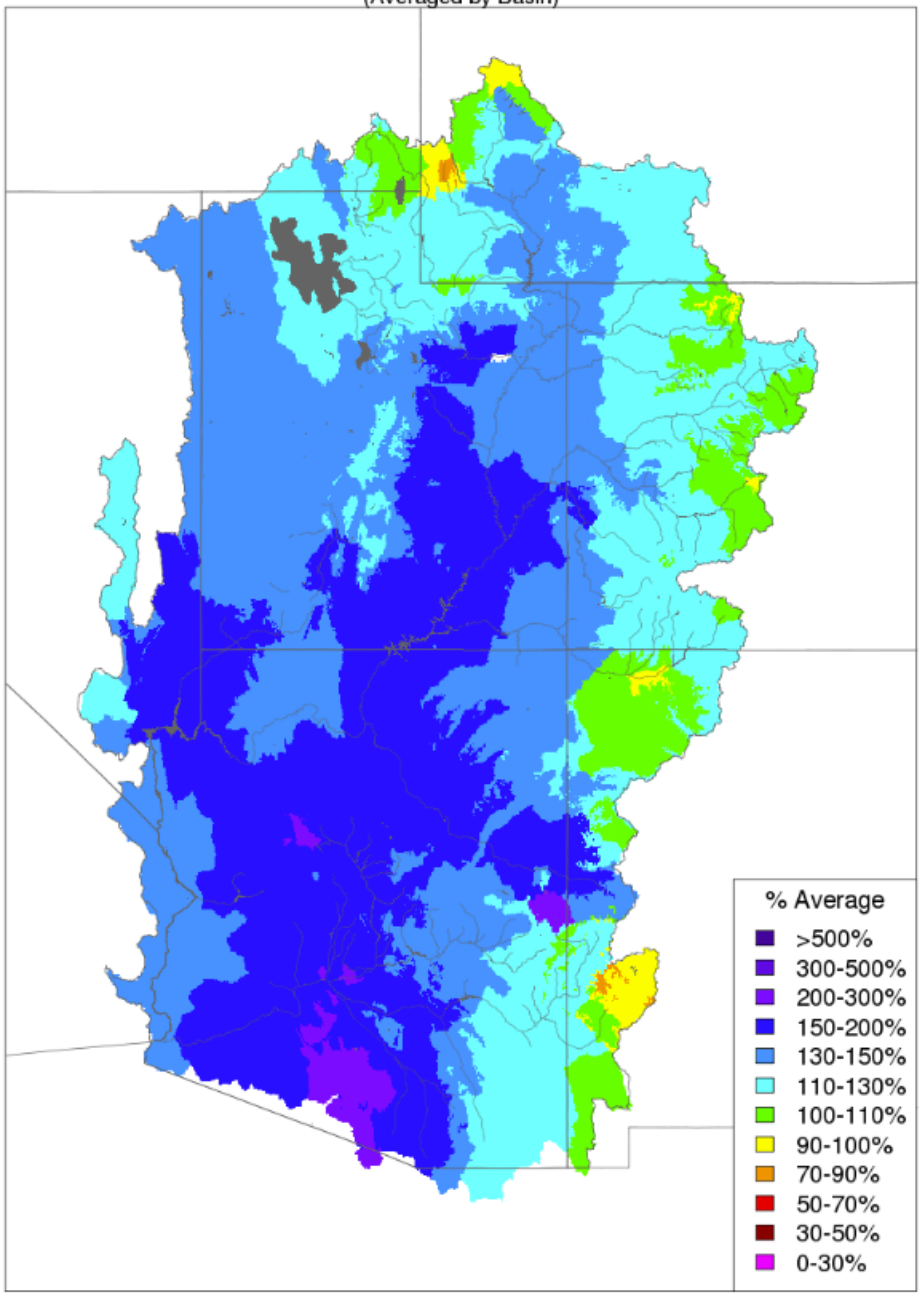
March - May Outlook





Water Year Precipitation, October 2018 - February 2019

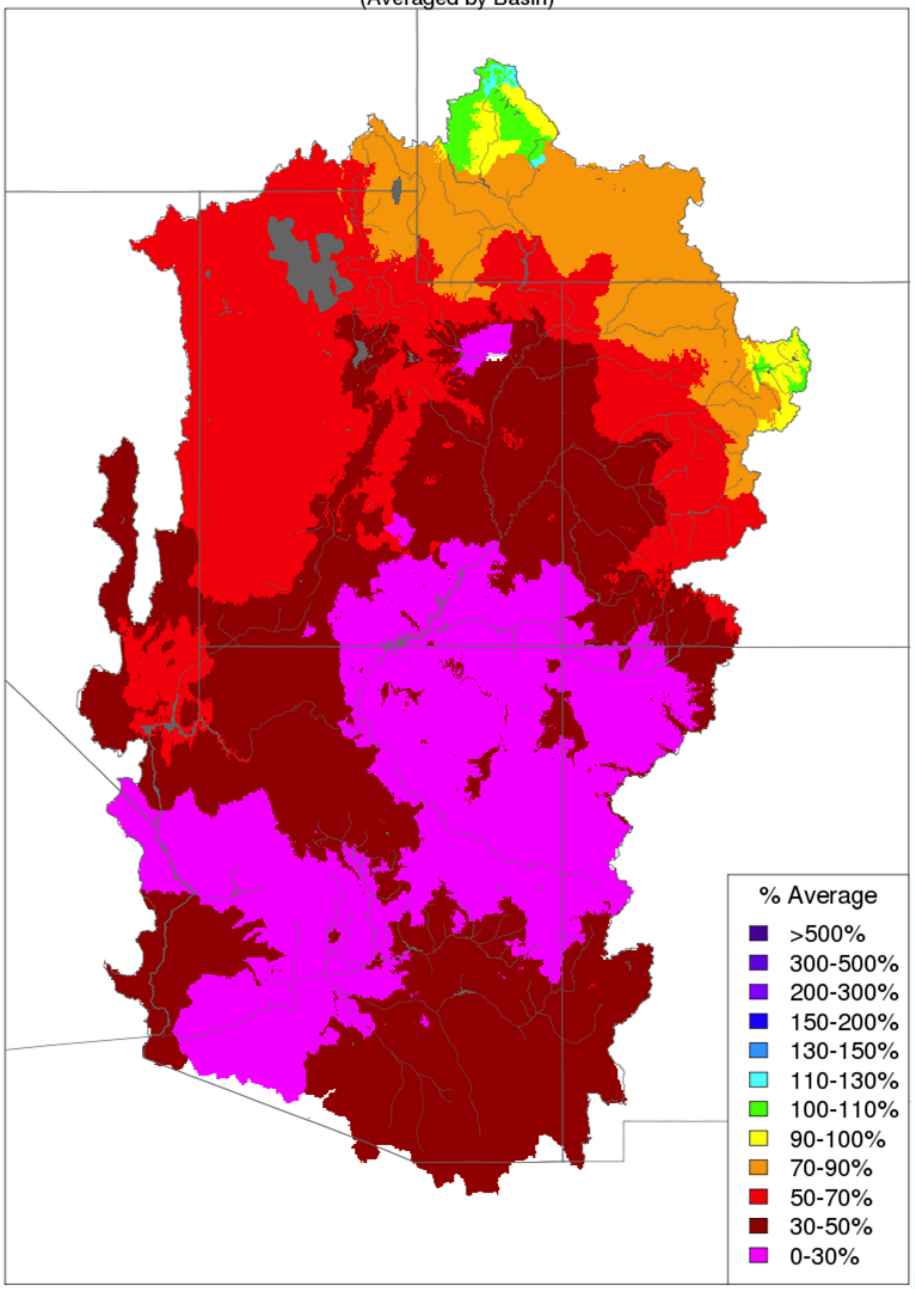
(Averaged by Basin)



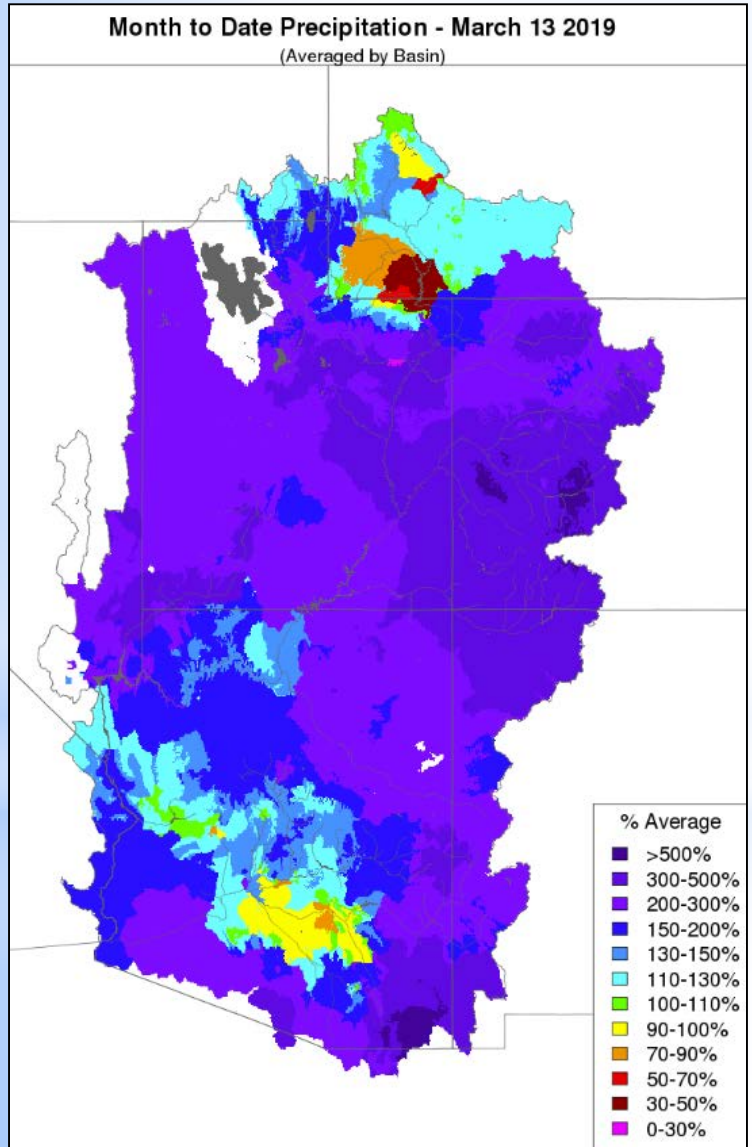
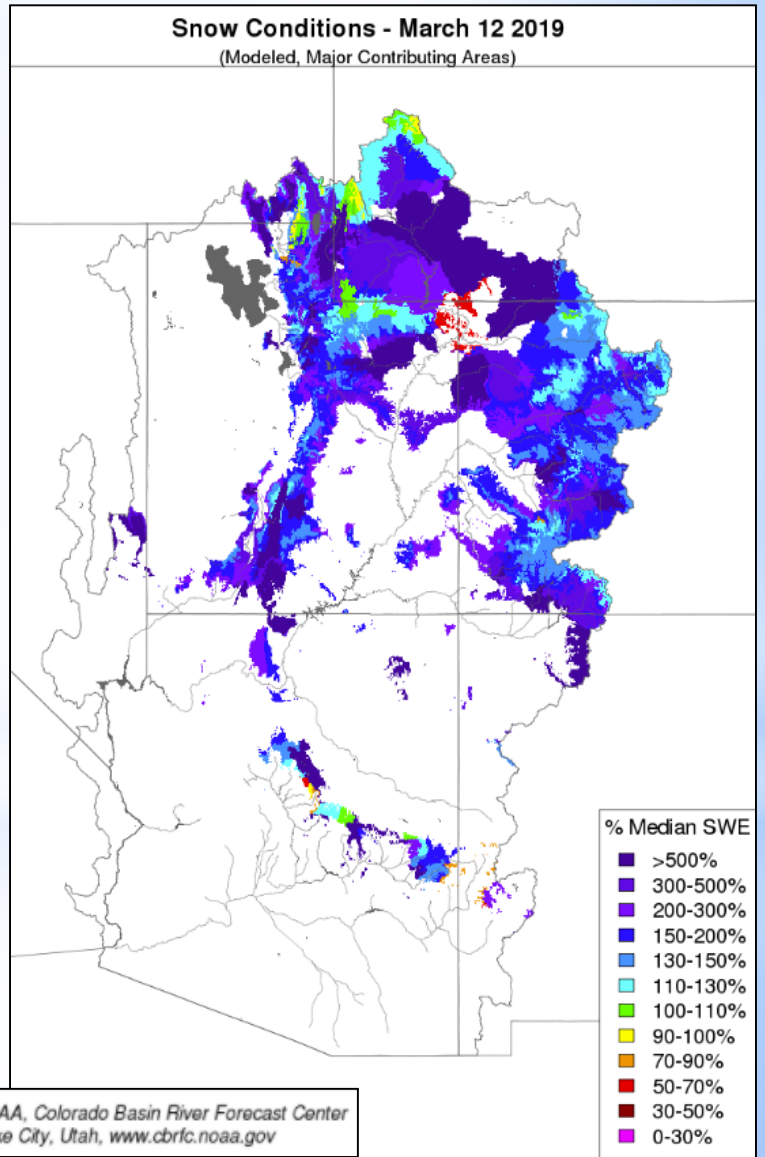
Prepared by NOAA, Colorado Basin River Forecast Center
Salt Lake City, Utah, www.cbrfc.noaa.gov

Water Year Precipitation, October 2017 - February 2018

(Averaged by Basin)



Prepared by NOAA, Colorado Basin River Forecast Center
Salt Lake City, Utah, www.cbrfc.noaa.gov

March 1-12

* 0.62” of Precipitation (0.73” Normal for month)
* Water Year (Oct-March 12): 8.18” Precipitation (Normal 4.92” Oct-Mar)