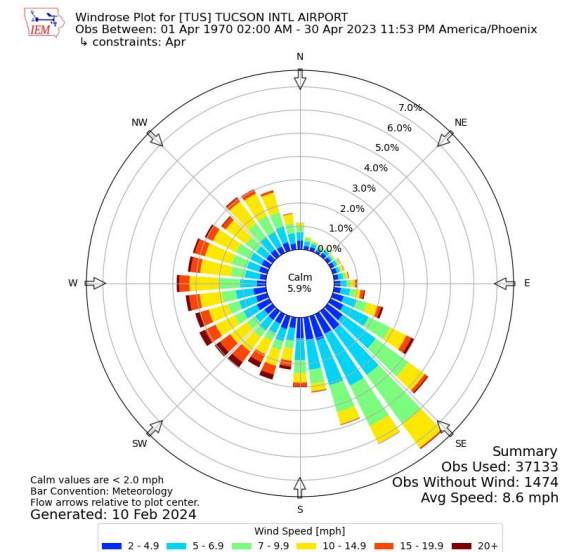
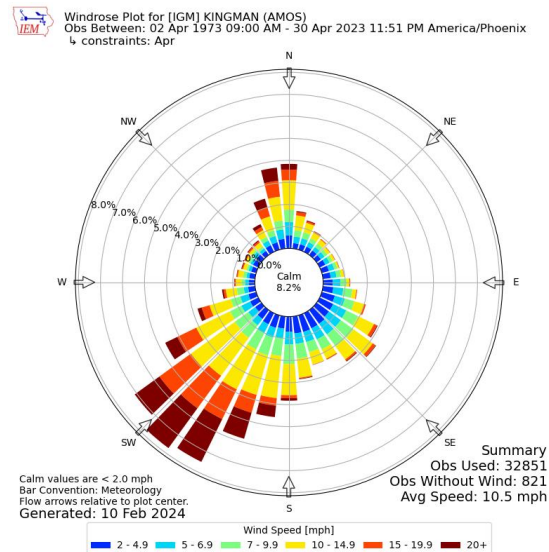
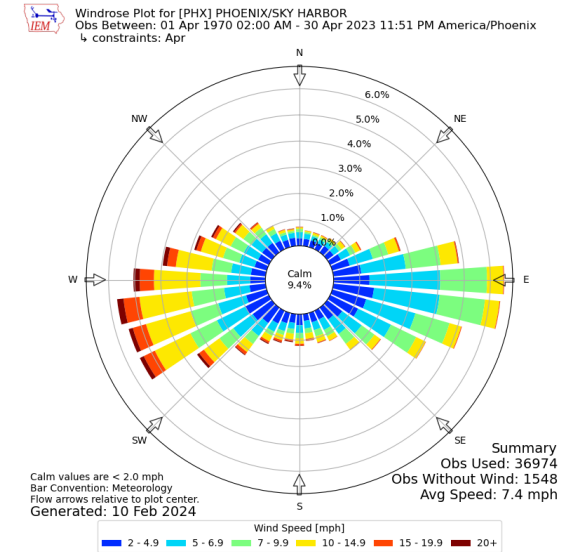
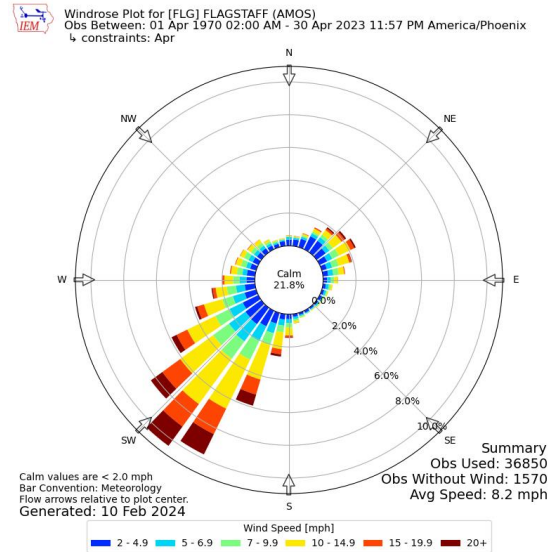
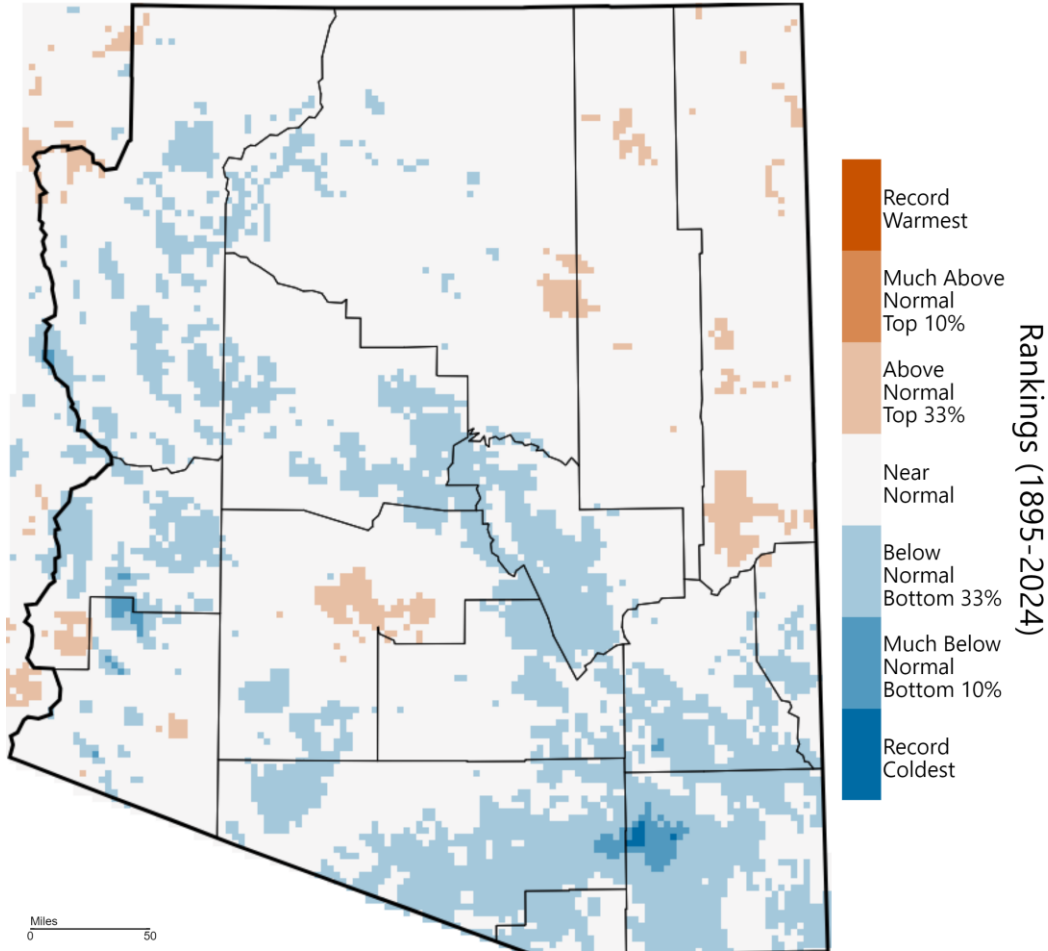


April is the windiest month for many AZ locations



March: average/cool

Arizona - Mean Temperature
March 2024, Percentile



Rankings (1895-2024)

WestWide Drought Tracker, WRCC, Climate Engine, Data Source: PRISM Prelim, created 10 Apr 2024

Monthly County Average Temperature

March 2024

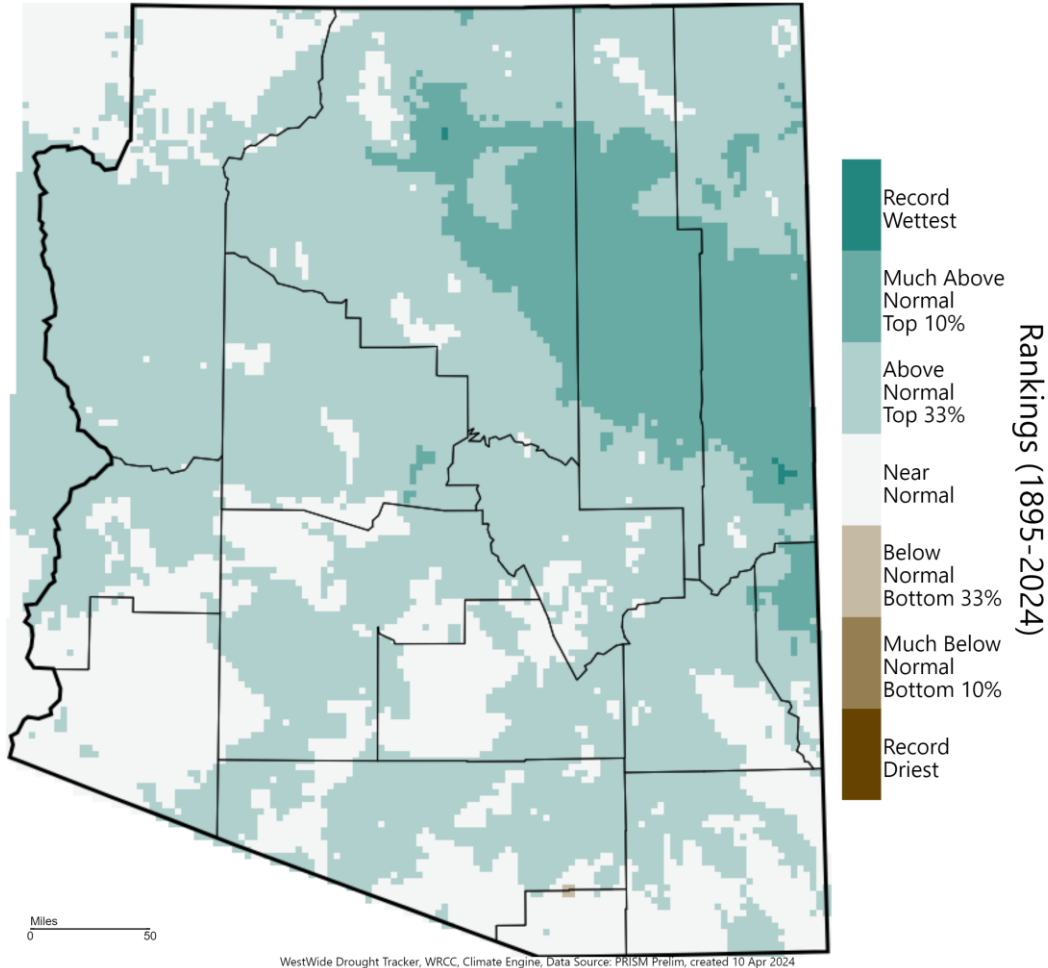
Preliminary data from NOAA/NCEI

Arizona Counties	Temp	Depart	Rank
Apache	41.3°	1.4°	47 th warmest
Cochise	51.7°	0.3°	61 st coldest
Coconino	43.7°	1.8°	44 th warmest
Gila	48.6°	0.0°	54 th coldest
Graham	51.1°	0.5°	61 st warmest
Greenlee	46.7°	0.3°	65 th warmest
La Paz	61.2°	0.8°	61 st warmest
Maricopa	59.8°	0.7°	65 th warmest
Mohave	51.8°	0.9°	58 th warmest
Navajo	42.6°	1.3°	50 th warmest
Pima	57.2°	0.4°	63 rd coldest
Pinal	58.1°	0.6°	65 th warmest
Santa Cruz	50.6°	-0.2°	51 st coldest
Yavapai	48.5°	0.4°	61 st coldest
Yuma	62.2°	0.6°	62 nd warmest

Record coldest	Top 10% coldest	Top 33% coldest	Normal	Top 33% warmest	Top 10% warmest	Record warmest
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March: wetter than normal

Arizona - Precipitation
March 2024, Percentile



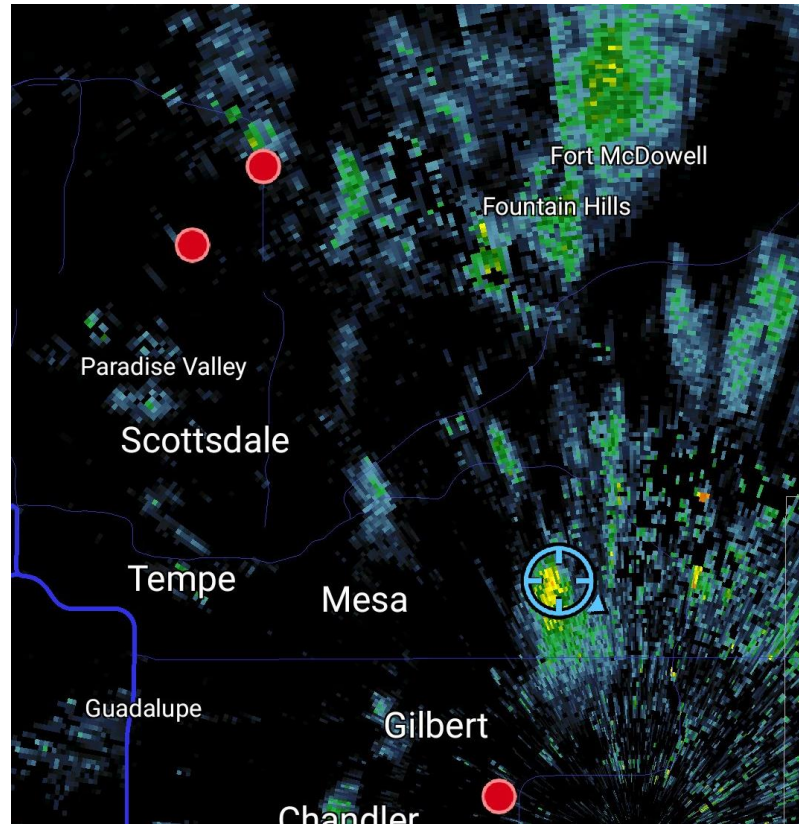
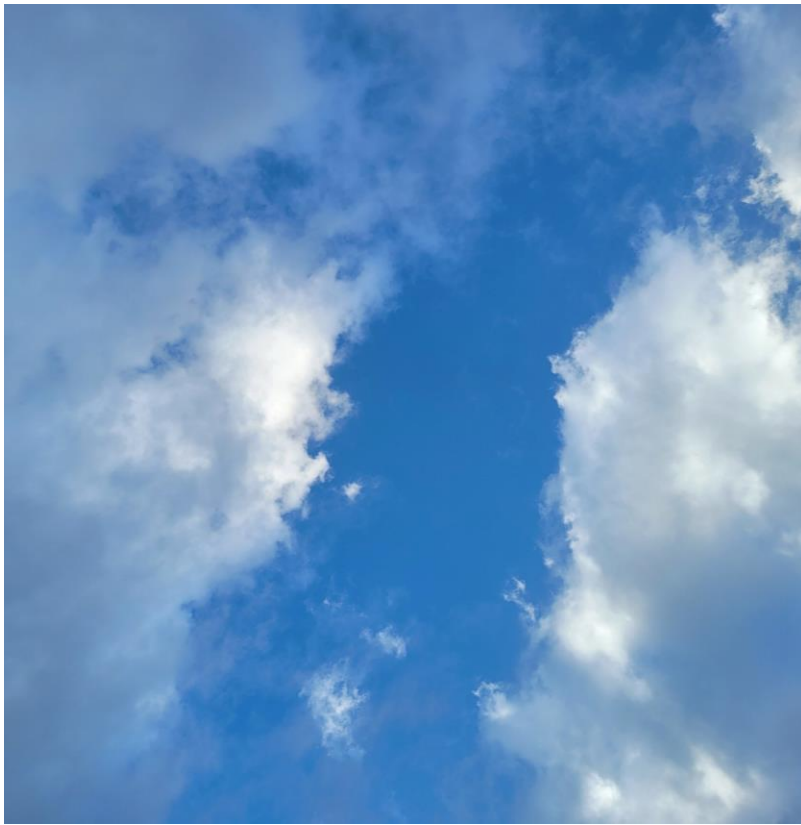
Monthly County Precipitation

March 2024

Preliminary data from NOAA/NCEI

Arizona Counties	Total	Depart	Rank
Apache	2.43"	1.31"	8 th wettest
Cochise	0.61"	-0.18"	56 th wettest
Coconino	1.73"	0.42"	32 nd wettest
Gila	3.72"	1.62"	15 th wettest
Graham	1.76"	0.58"	24 th wettest
Greenlee	2.27"	1.09"	10 th wettest
La Paz	0.67"	0.13"	34 th wettest
Maricopa	1.37"	0.42"	27 th wettest
Mohave	1.76"	0.64"	25 th wettest
Navajo	2.25"	1.24"	9 th wettest
Pima	1.17"	0.28"	34 th wettest
Pinal	1.55"	0.39"	29 th wettest
Santa Cruz	1.14"	0.17"	42 nd wettest
Yavapai	2.36"	0.73"	27 th wettest
Yuma	0.34"	-0.09"	54 th wettest

Record driest	Top 10% driest	Top 33% driest	Normal	Top 33% wettest	Top 10% wettest	Record wettest
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April 5, 2024

Does Arizona have sunshowers? Yes!



Cooler March then cooler April start

Several winter storm systems in March

Snow still dropped end of March/early April in the Salt, Verde, Little Colorado basins

*Phoenix, Tucson 1st 90°F on April 11 this year
(2 weeks or so later than normal, similar to 2023)*

Average 1st 100°F

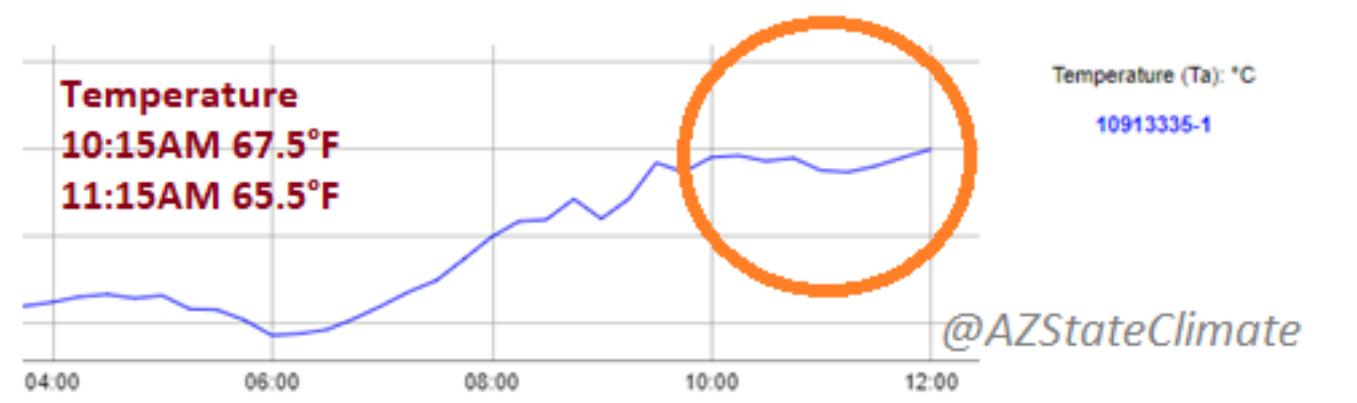
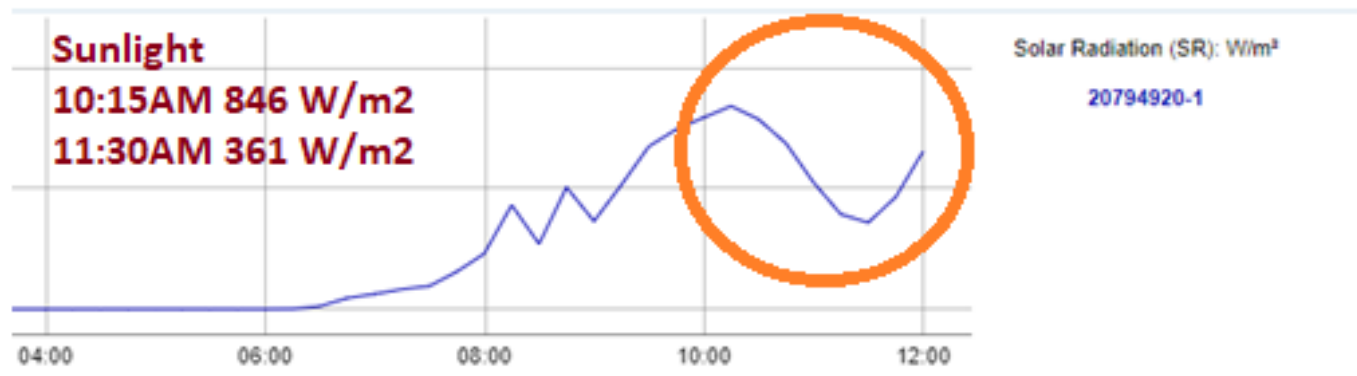
Phoenix: May 2 Tucson: May 18

*Cold enough to need to sit in the sun!
Phoenix, AZ April 6, 2024*

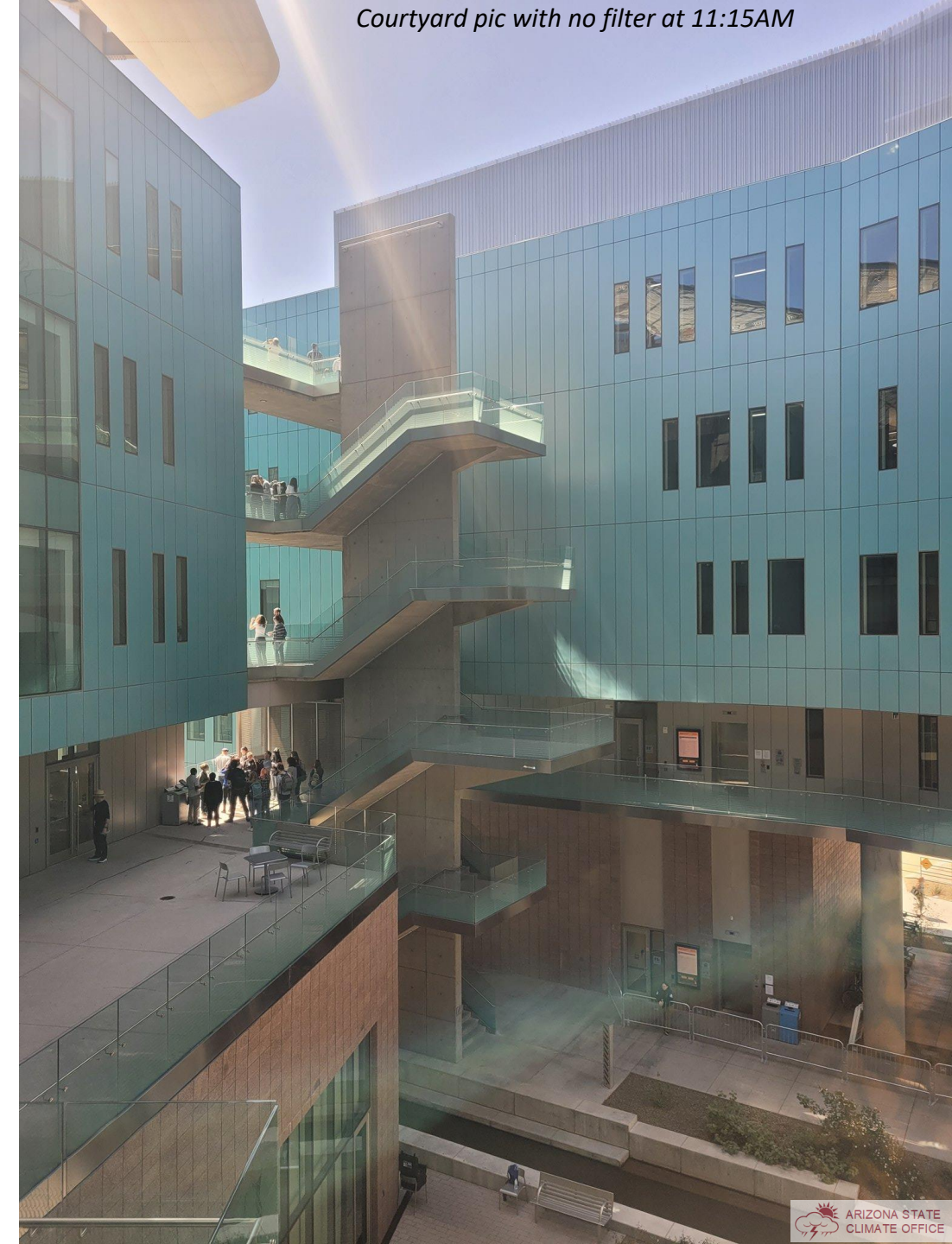
Total Solar Eclipse April 8, 2024

Partial solar eclipse Tempe, Arizona

(~70% of sun covered)



@AZStateClimate

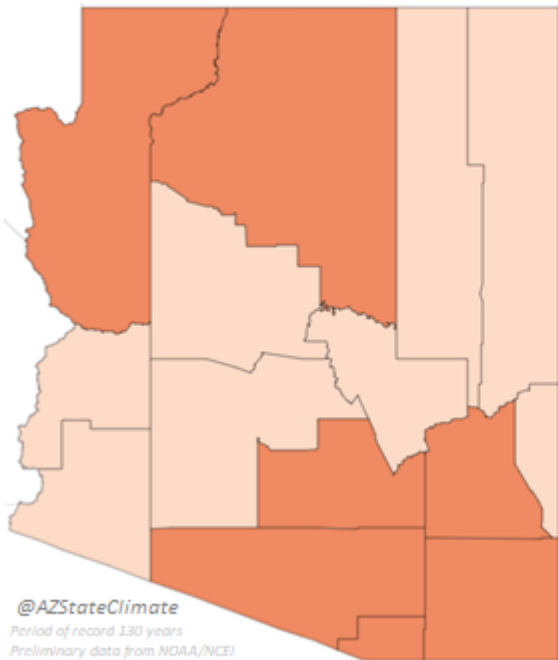


WY2024: warm and somewhat wetter

WY2024 Arizona: October to March 2024

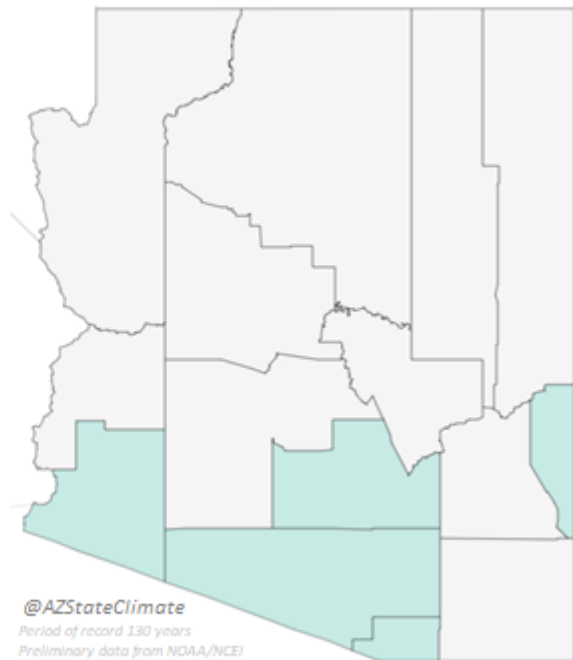
Statewide Average Temperature

Temp: 50.3°F Rank: 10th warmest Anomaly: 2.5°F



Statewide Precipitation

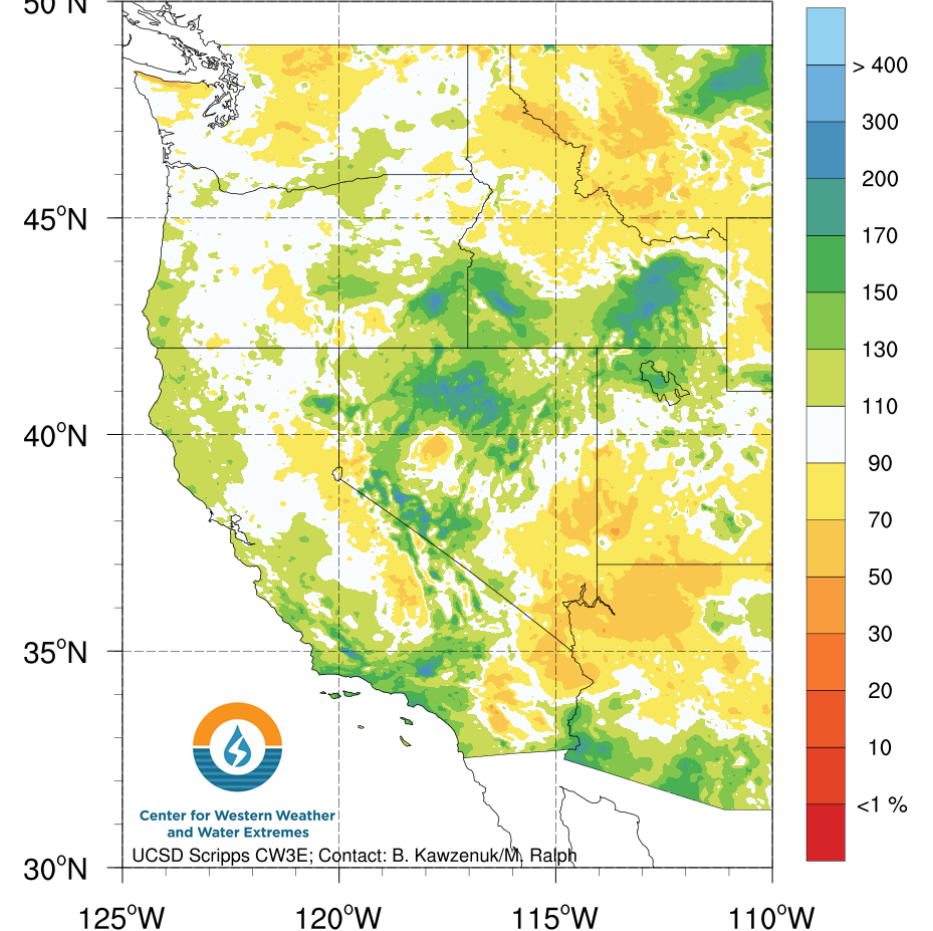
Total: 6.40" Rank: 49th wettest Anomaly: 0.08"



PRISM Water Year to Date Precipitation Anomaly (%)

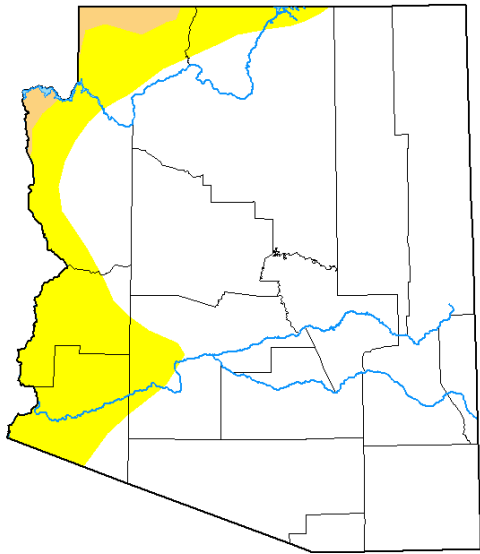
01 Oct 2023 - 16 Apr 2024

Normal = 1991-2020

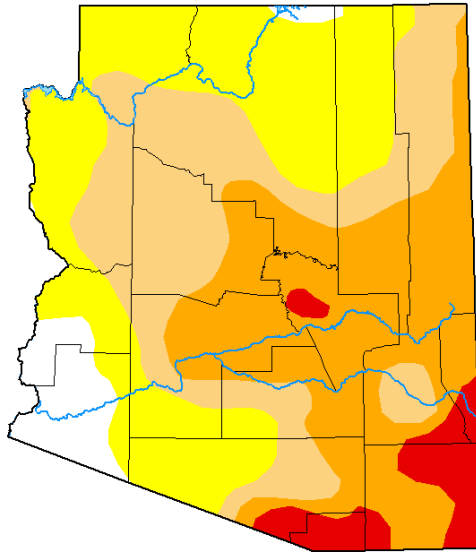


Moving into more active wildfire season

1 year ago: April 18, 2023



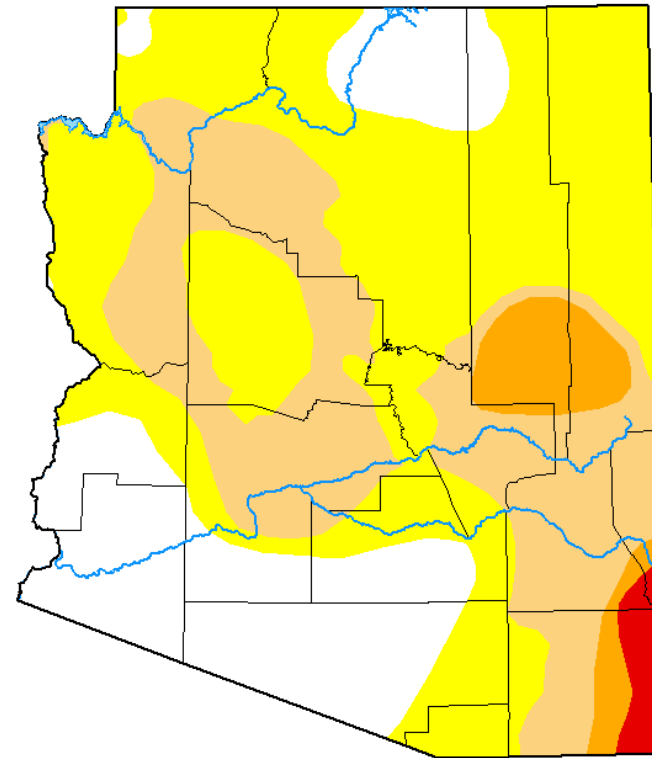
3 months ago: January 16, 2024



Last year, many smaller wildfires
No exceptionally large wildfires

U.S. Drought Monitor Arizona

April 16, 2024
(Released Thursday, Apr. 18, 2024)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	21.78	78.22	33.66	6.70	1.81	0.00
Last Week 04-09-2024	21.78	78.22	33.66	6.70	1.81	0.00
3 Months Ago 01-16-2024	5.62	94.38	63.39	36.06	5.75	0.00
Start of Calendar Year 01-02-2024	5.62	94.38	53.37	33.54	5.75	0.00
Start of Water Year 09-26-2023	8.12	91.88	47.06	22.74	5.34	0.00
One Year Ago 04-18-2023	82.05	17.95	1.46	0.00	0.00	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Lindsay Johnson
National Drought Mitigation Center

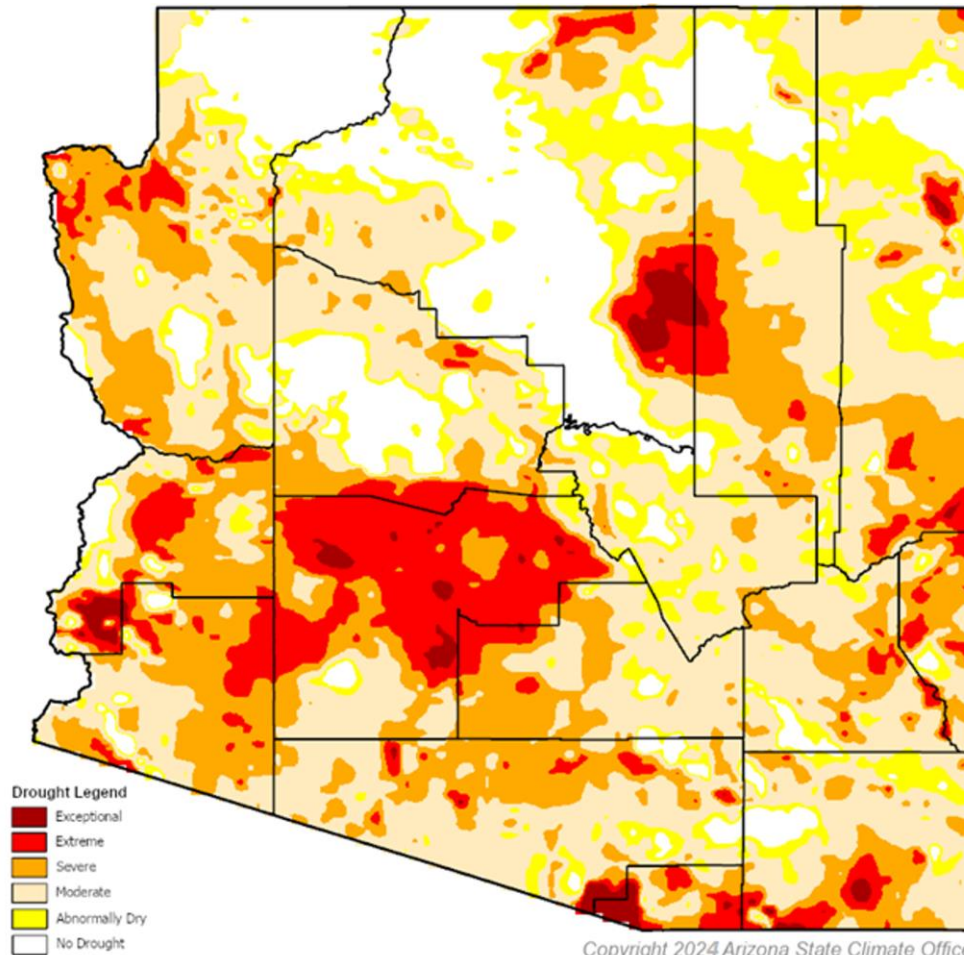


droughtmonitor.unl.edu

Average Long-Term Drought

Published April 2024

Some slight
long-term
drought
improvement
since last
summer

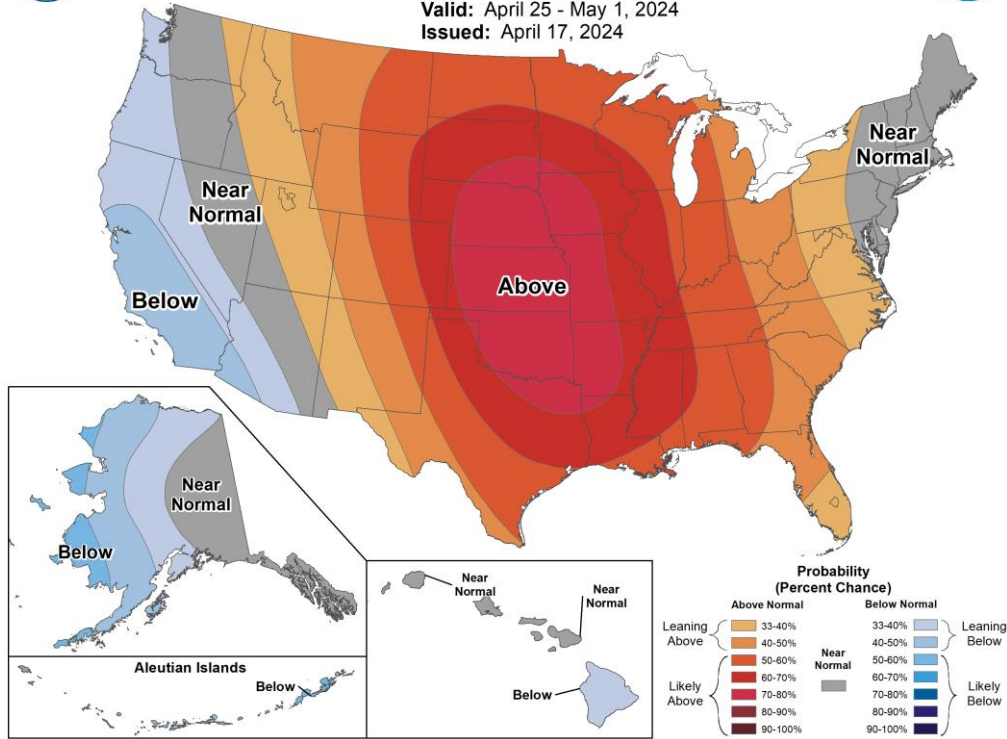




8-14 Day Temperature Outlook



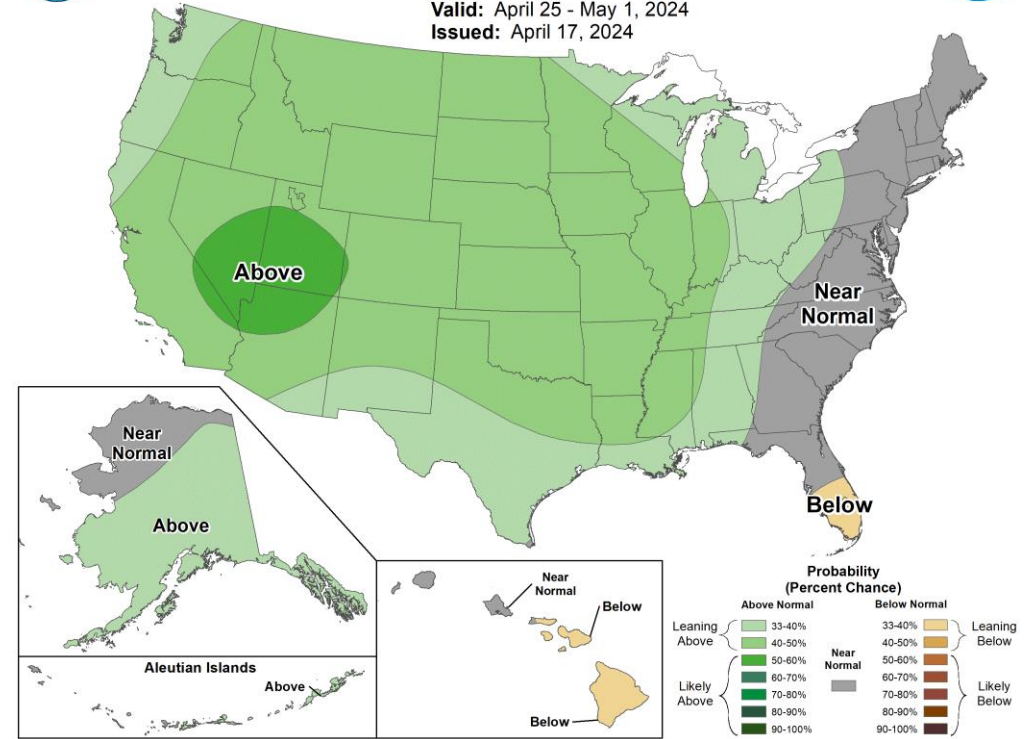
Valid: April 25 - May 1, 2024
Issued: April 17, 2024



8-14 Day Precipitation Outlook



Valid: April 25 - May 1, 2024
Issued: April 17, 2024



ENSO neutral favored April-June (85%)

La Nina 60% chance June-August

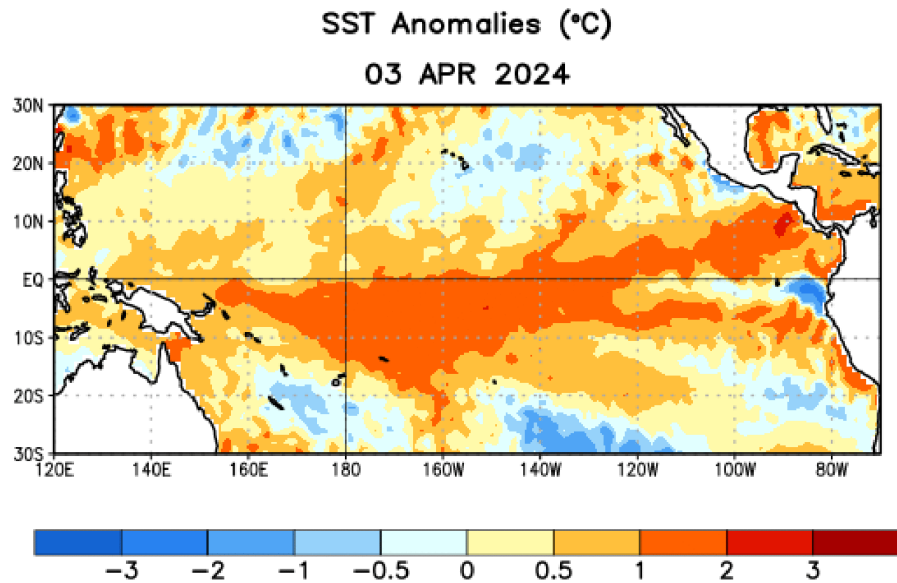


Figure 1. Average sea surface temperature (SST) anomalies (°C) for the week centered on 3 April 2024. Anomalies are computed with respect to the 1991-2020 base period weekly means. <https://www.cpc.ncep.noaa.gov/products/precip/CWlink/MJO/enso.shtml>

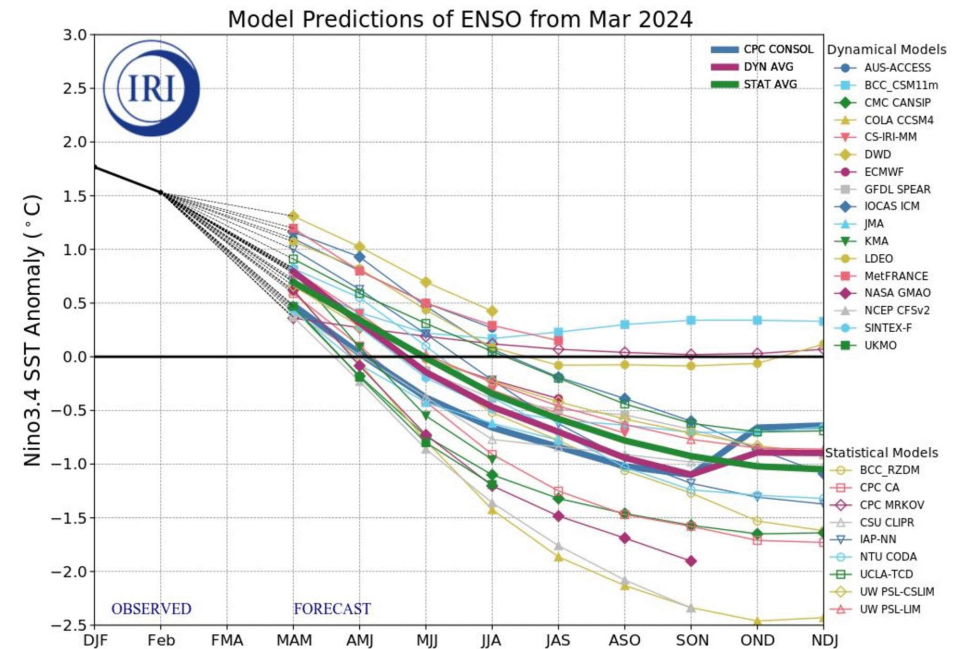


Figure 6. Forecasts of sea surface temperature (SST) anomalies for the Niño 3.4 region (5°N-5°S, 120°W-170°W). Figure updated 19 March 2024 by the International Research Institute (IRI) for Climate and Society.

Want to be a
weather volunteer
this summer?

Contact me!

Erinanne.Saffell@asu.edu

or

AZclimate@asu.edu



Summary



March wetter and cooler



90°F already reached in Phoenix, Tucson



WY2024 warmer with average precip