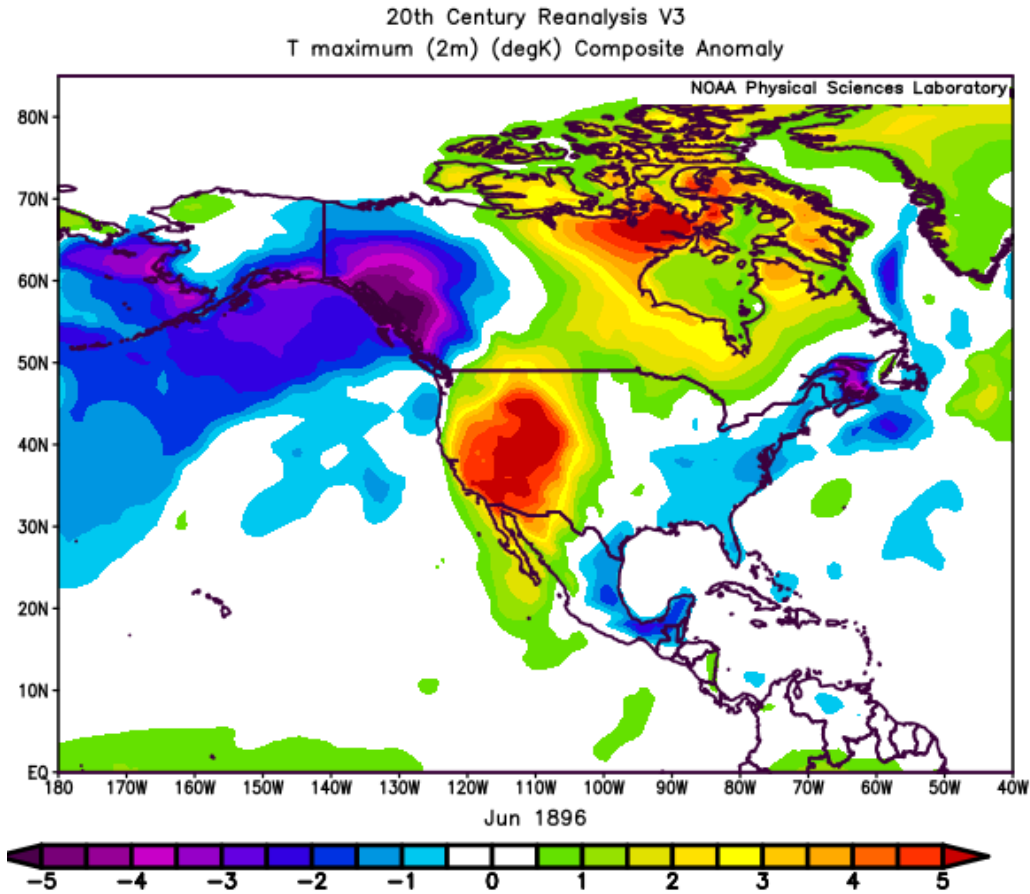
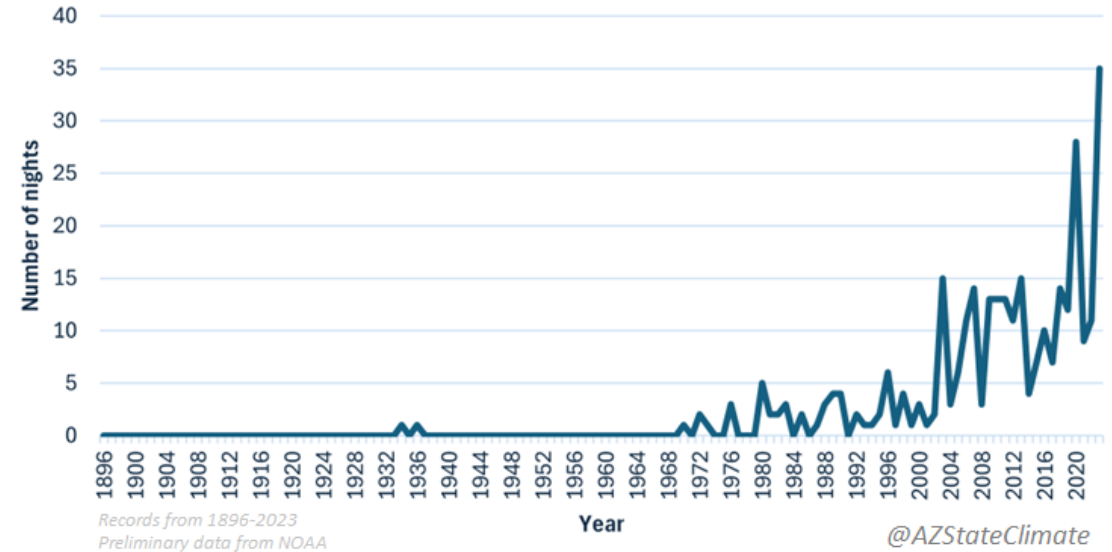


June 1896 heat wave



Number of nights with temperatures 90°F or higher (per year)

Phoenix, AZ

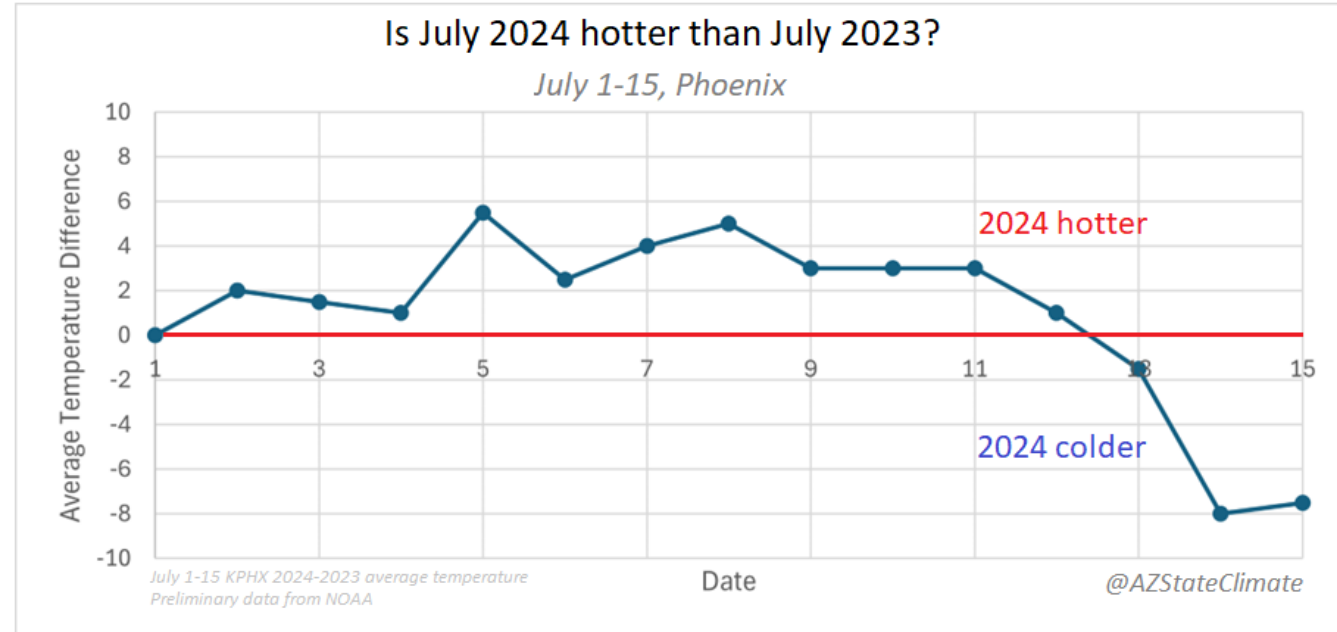
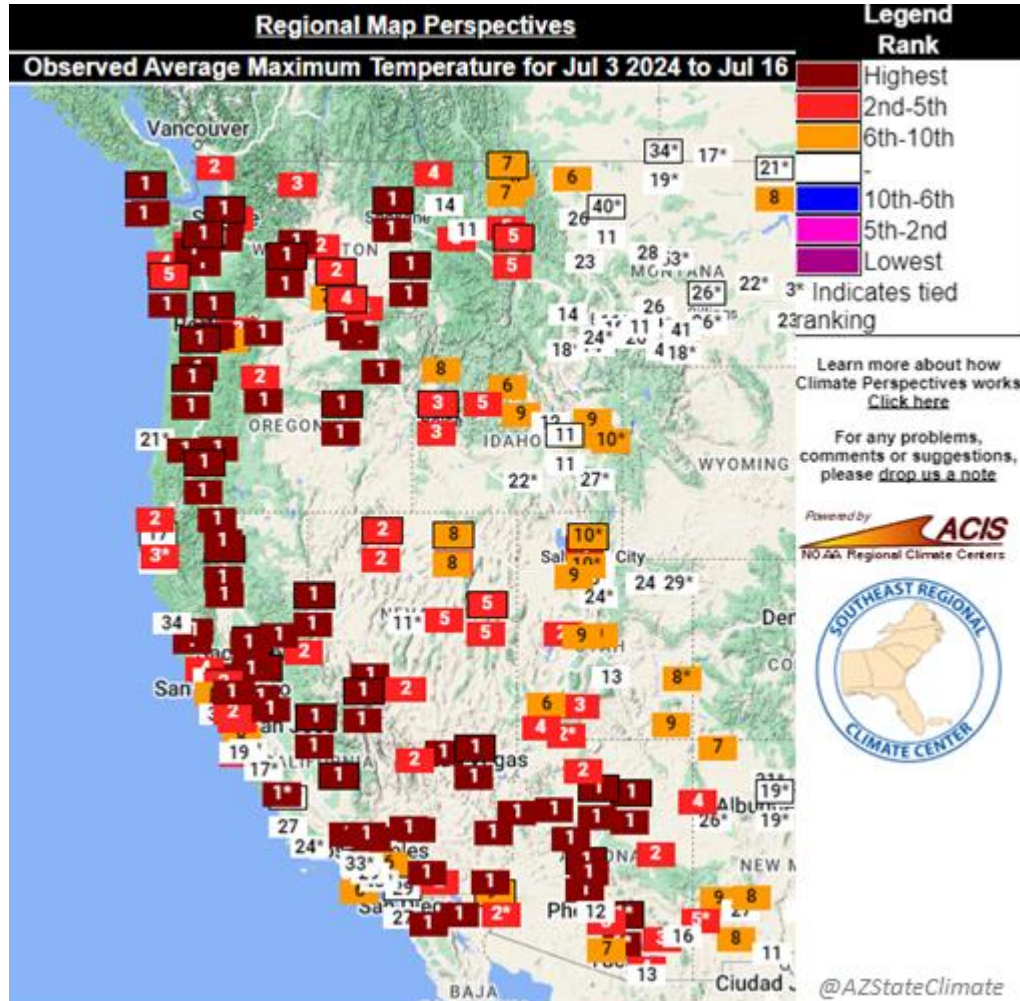


Parker, AZ had 4 days above 120°F June 12-15, 1896
(124° - 123° - 125° - 126°)

Hottest AZ temp ever recorded: 128°F
June 29, 1994 Lake Havasu City

Night temps gaining 2-3x more than day temps

July 2024 heat wave



Multiple locations ranking hottest 2 weeks (July 1-16)

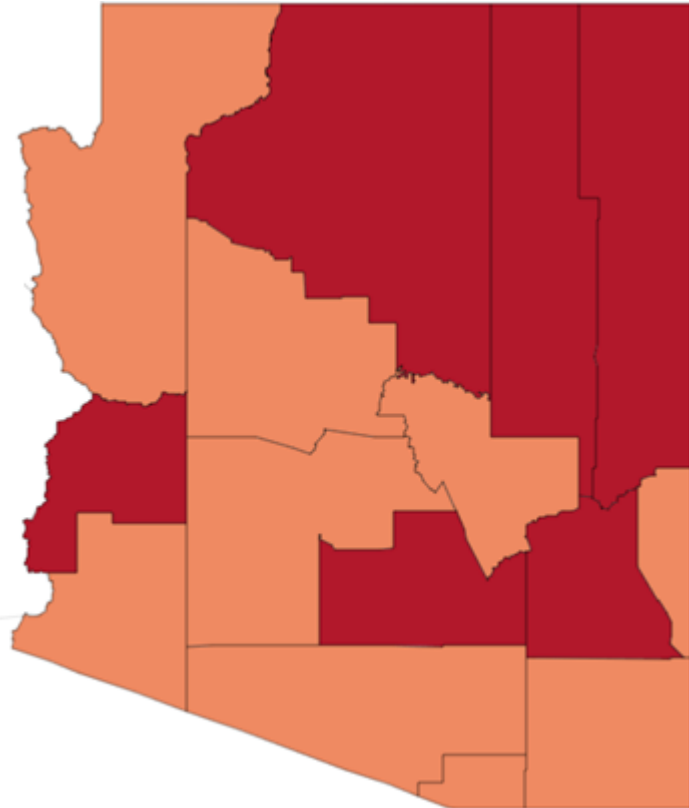
Phoenix July 1-15: 2024 hotter than 2023

Phoenix 110° to July 17: 2024 27 days (2023 21 days)

July 2023 Phoenix set record as hottest month for any U.S. city 102.7°F

June 2024: tied for hottest

Temp: 80.6°F Rank: tied with 2021 warmest Anomaly: 6.2°F



Monthly County Average Temperature

June 2024

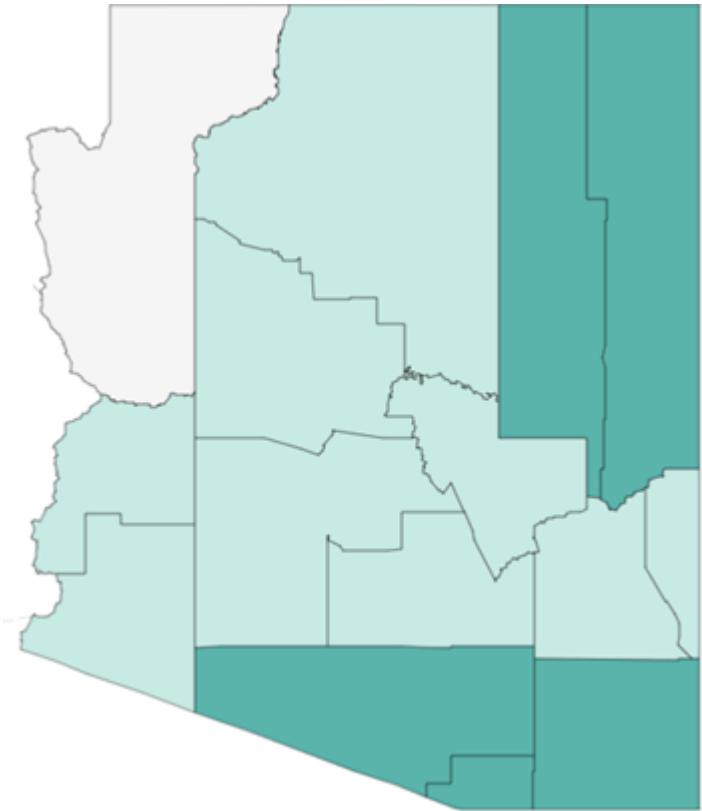
Preliminary data from NOAA/NCEI

Arizona Counties	Temp	Depart	Rank
Apache	71.3°	5.8°	1 st warmest
Cochise	80.4°	4.9°	3 rd warmest
Coconino	74.2°	6.8°	1 st warmest
Gila	79.0°	5.8°	2 nd warmest
Graham	81.0°	5.2°	1 st warmest
Greenlee	76.0°	5.1°	2 nd warmest
La Paz	92.0°	7.0°	1 st warmest
Maricopa	89.9°	6.2°	2 nd warmest
Mohave	83.8°	7.2°	2 nd warmest
Navajo	73.6°	6.4°	1 st warmest
Pima	85.7°	4.8°	5 th warmest
Pinal	88.4°	5.5°	1 st warmest
Santa Cruz	78.6°	4.5°	4 th warmest
Yavapai	78.8°	6.4°	2 nd warmest
Yuma	90.7°	6.5°	2 nd warmest

Record coldest	Top 10% coldest	Top 33% coldest	Normal	Top 33% warmest	Top 10% warmest	Record warmest
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June 2024: wet!

Total: 0.62" Rank: 16th wettest Anomaly: 0.33"

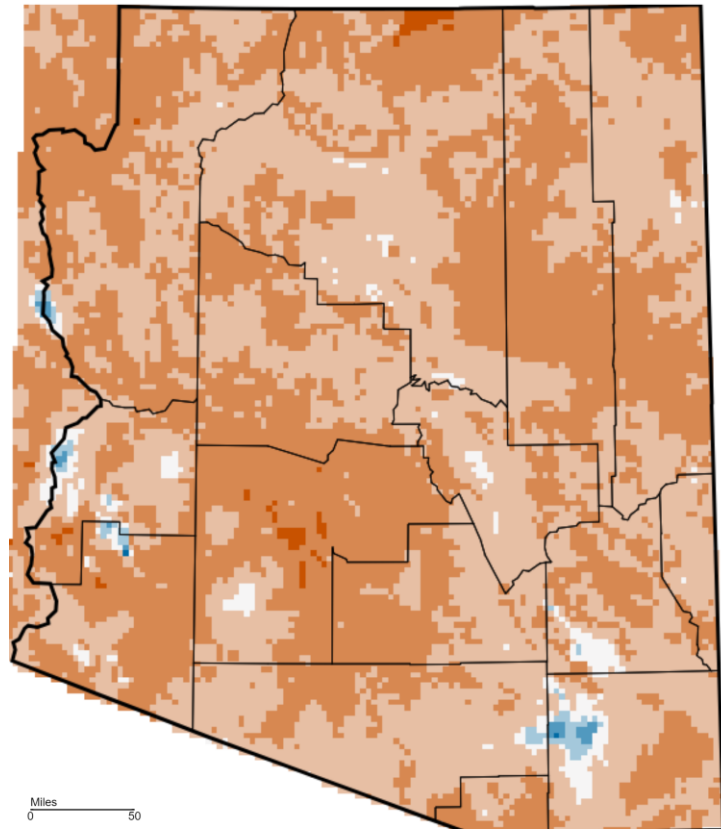


Monthly County Precipitation			
June 2024			
<i>Preliminary data from NOAA/NCEI</i>			
Arizona Counties	Total	Depart	Rank
Apache	1.28"	0.82"	4 th wettest
Cochise	1.29"	0.77"	11 th wettest
Coconino	0.64"	0.27"	22 nd wettest
Gila	0.92"	0.55"	16 th wettest
Graham	0.71"	0.27"	33 rd wettest
Greenlee	1.15"	0.59"	19 th wettest
La Paz	0.06"	0.02"	23 rd wettest
Maricopa	0.14"	0.06"	27 th wettest
Mohave	0.08"	-0.13"	55 th driest
Navajo	0.81"	0.47"	8 th wettest
Pima	0.74"	0.51"	6 th wettest
Pinal	0.32"	0.15"	31 st wettest
Santa Cruz	1.70"	1.15"	5 th wettest
Yavapai	0.66"	0.38"	16 th wettest
Yuma	0.02"	0.01"	28 th wettest

Record driest	Top 10% driest	Top 33% driest	Normal	Top 33% wettest	Top 10% wettest	Record wettest
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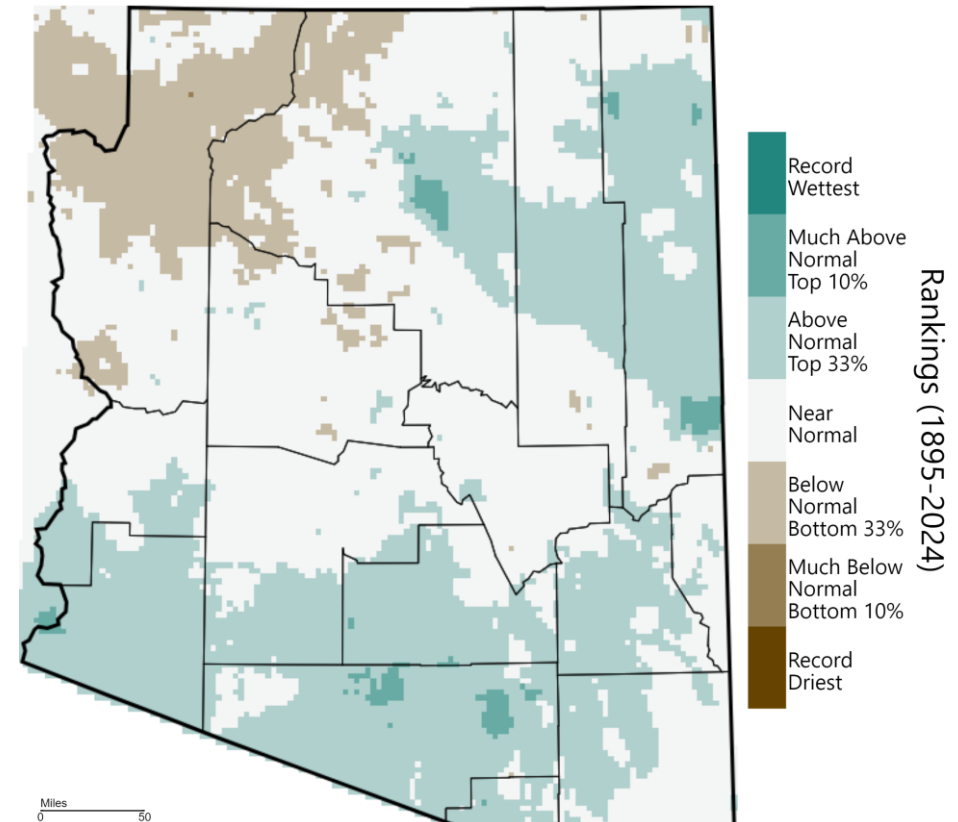
WY2024: warmer and somewhat wetter

Arizona - Mean Temperature
October 2023 - June 2024, Percentile



WestWide Drought Tracker, WRCC, Climate Engine, Data Source: PRISM Prelim, created 08 Jul 2024

Arizona - Precipitation
October 2023 - June 2024, Percentile

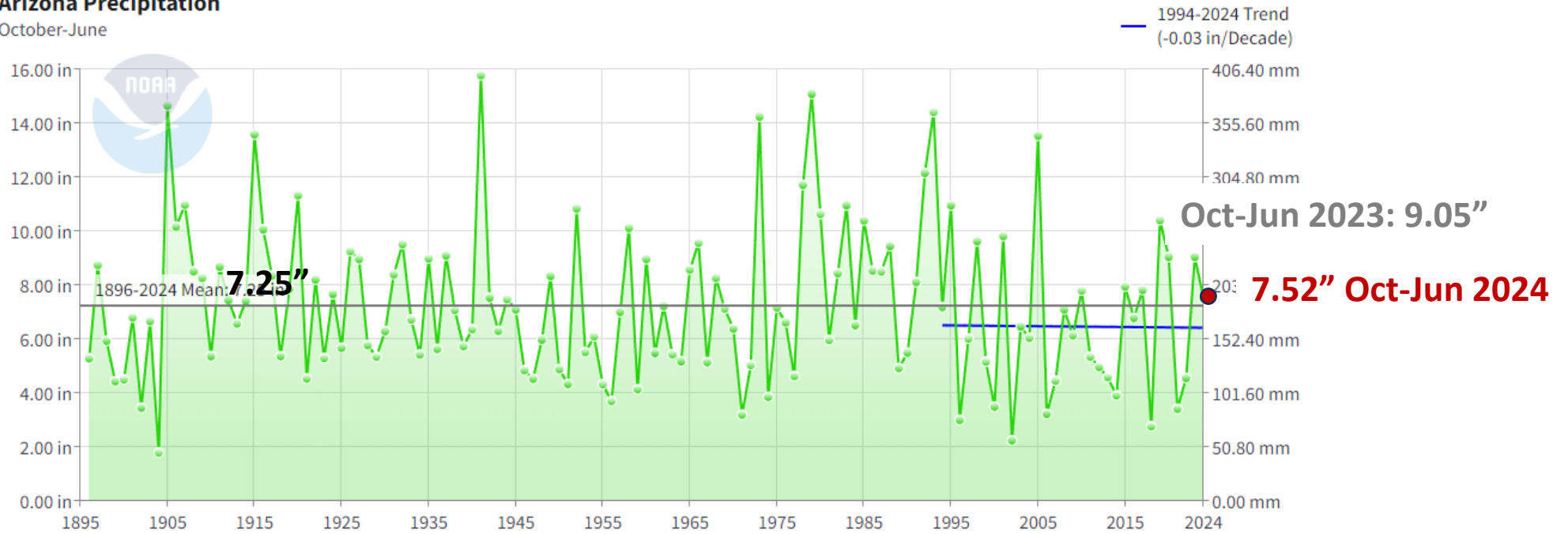


WestWide Drought Tracker, WRCC, Climate Engine, Data Source: PRISM Prelim, created 08 Jul 2024

WY2024: slightly above average

Arizona Precipitation

October-June

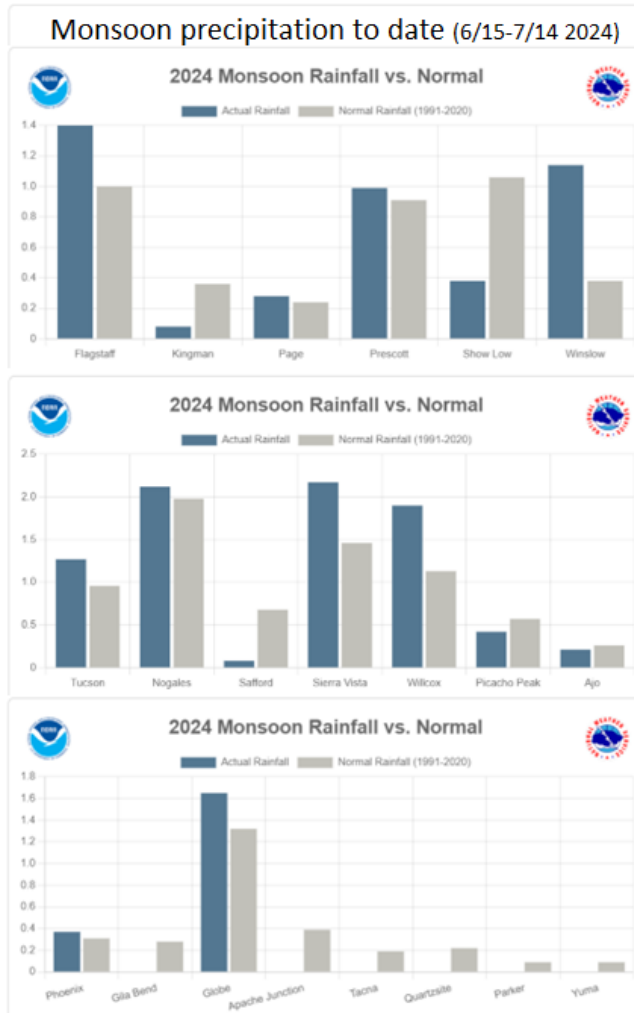


20 of last 30 water years have been below long-term average

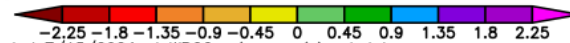
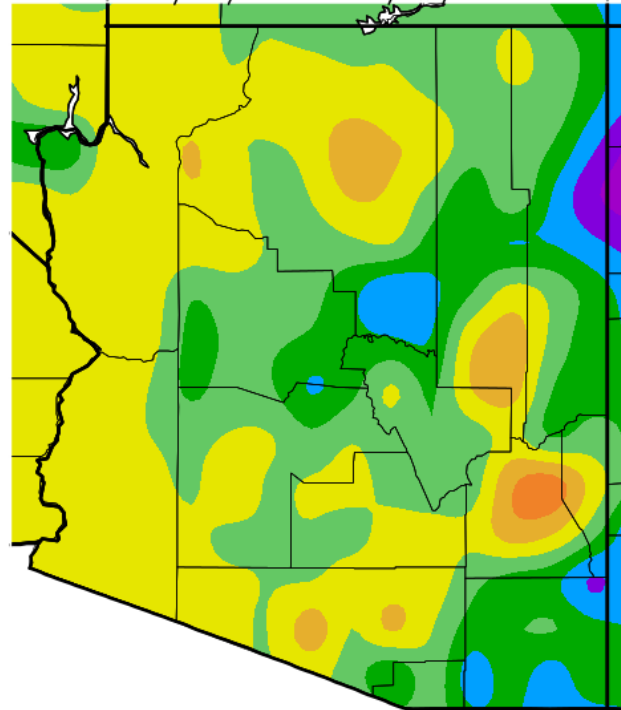
Long-term WY average 12.27"

1994-2023 WY average 11.29"

Good monsoon precip many locations (6/15 to 7/14)

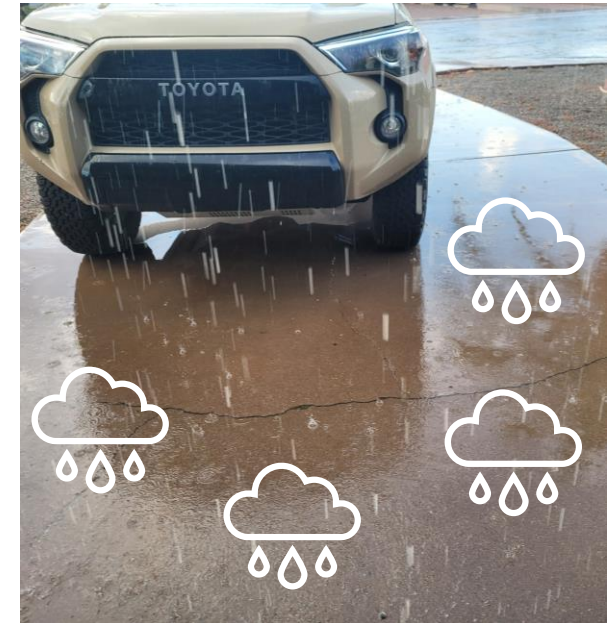


Precipitation Departure from Average (in.)
6/15/2024 – 7/14/2024



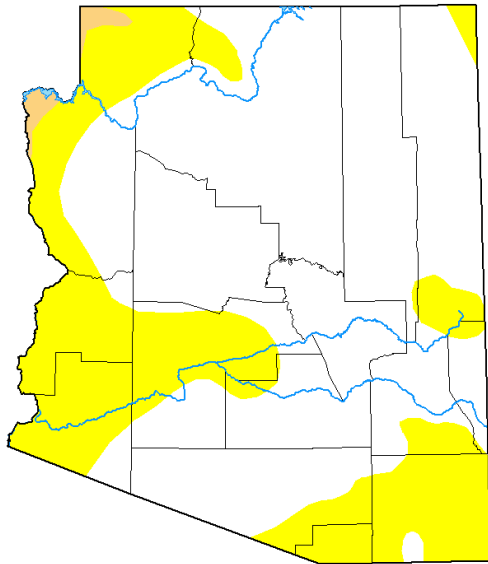
Generated 7/15/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Brief but strong summer storm this morning!

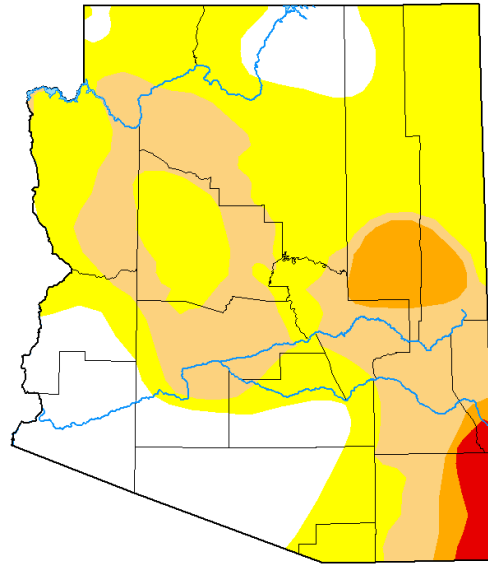


Dry areas may start impacting short-term drought

1 year ago: July 18, 2023

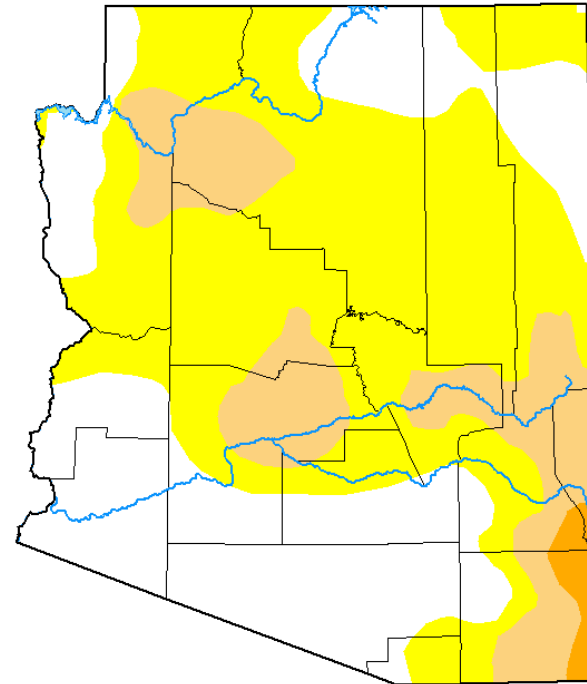


3 months ago: April 16, 2024



Last year, many smaller wildfires
No exceptionally large wildfires

U.S. Drought Monitor Arizona



July 16, 2024
(Released Thursday, Jul. 18, 2024)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	33.70	66.30	18.36	1.92	0.00	0.00
Last Week 07-09-2024	33.53	66.47	18.36	1.92	0.00	0.00
3 Months Ago 04-16-2024	21.78	78.22	33.66	6.70	1.81	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 07-18-2023	68.79	31.21	0.91	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>

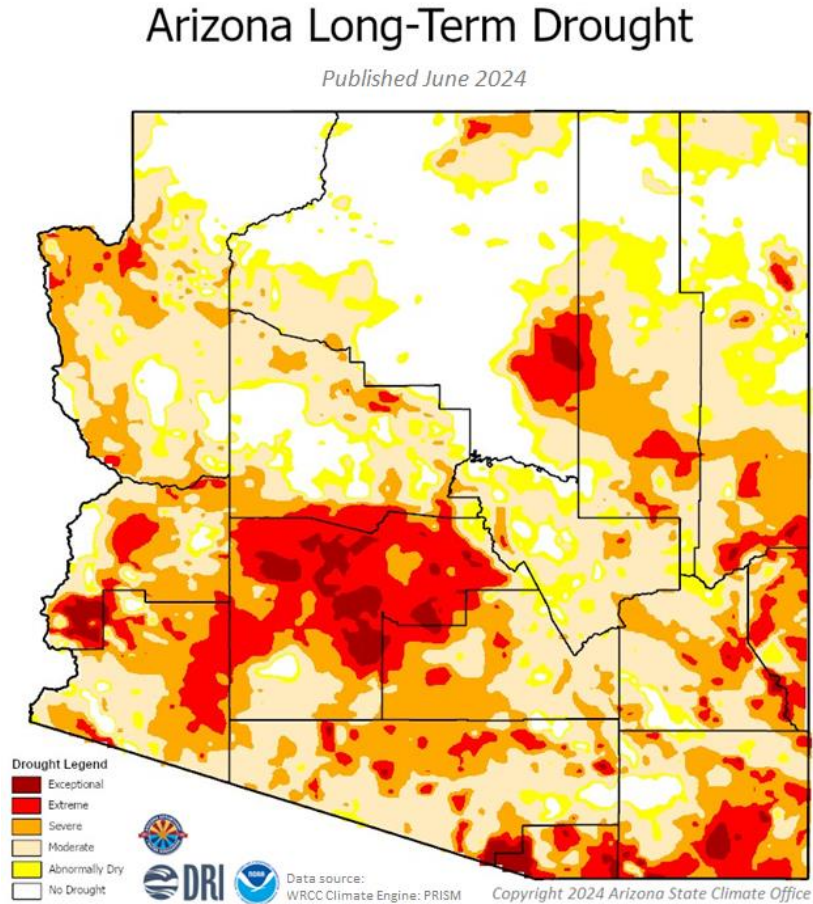
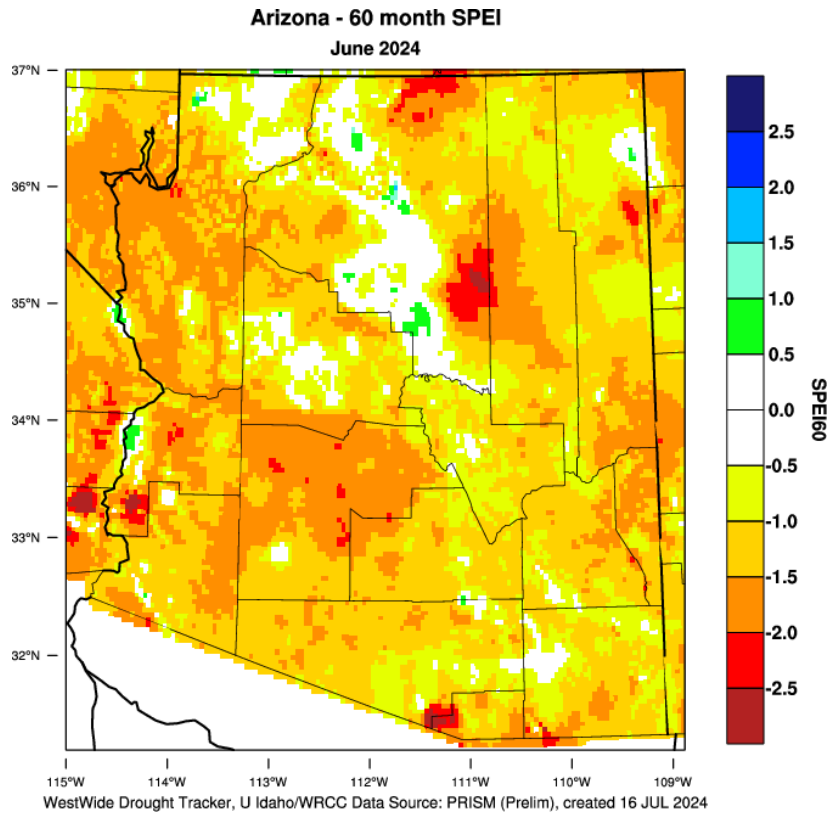
Author:

Brian Fuchs
National Drought Mitigation Center



droughtmonitor.unl.edu

Long-term drought continues, impacted by heat



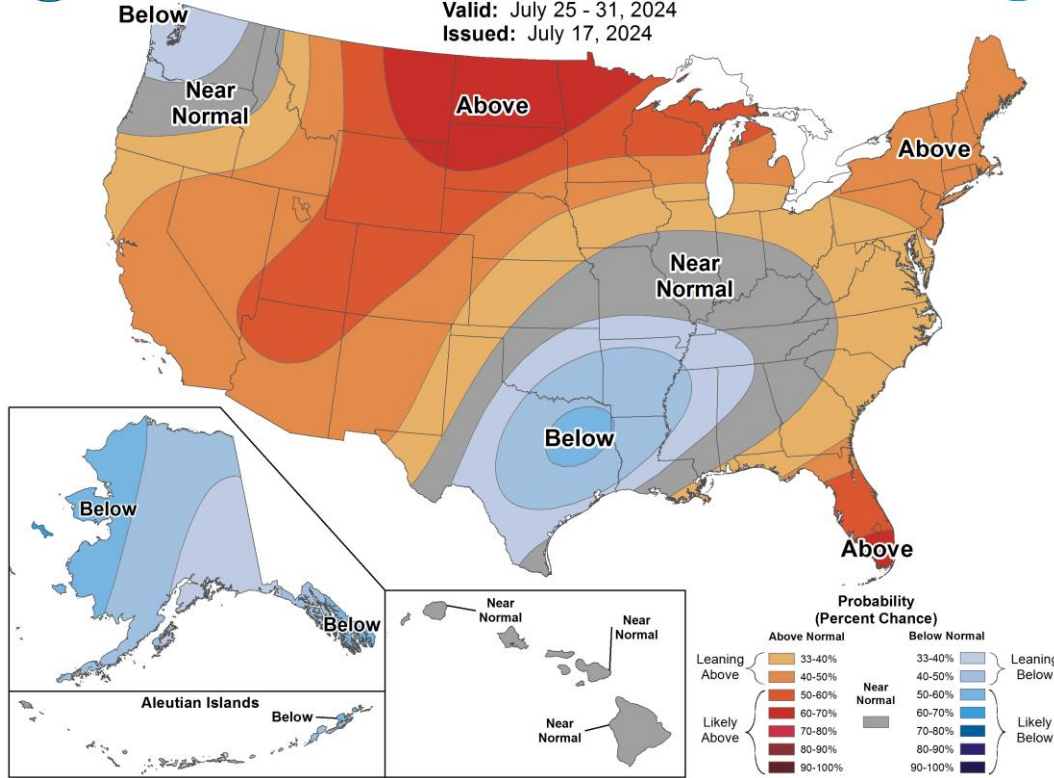
SPEI: Standardized Precipitation Evapotranspiration Index



8-14 Day Temperature Outlook



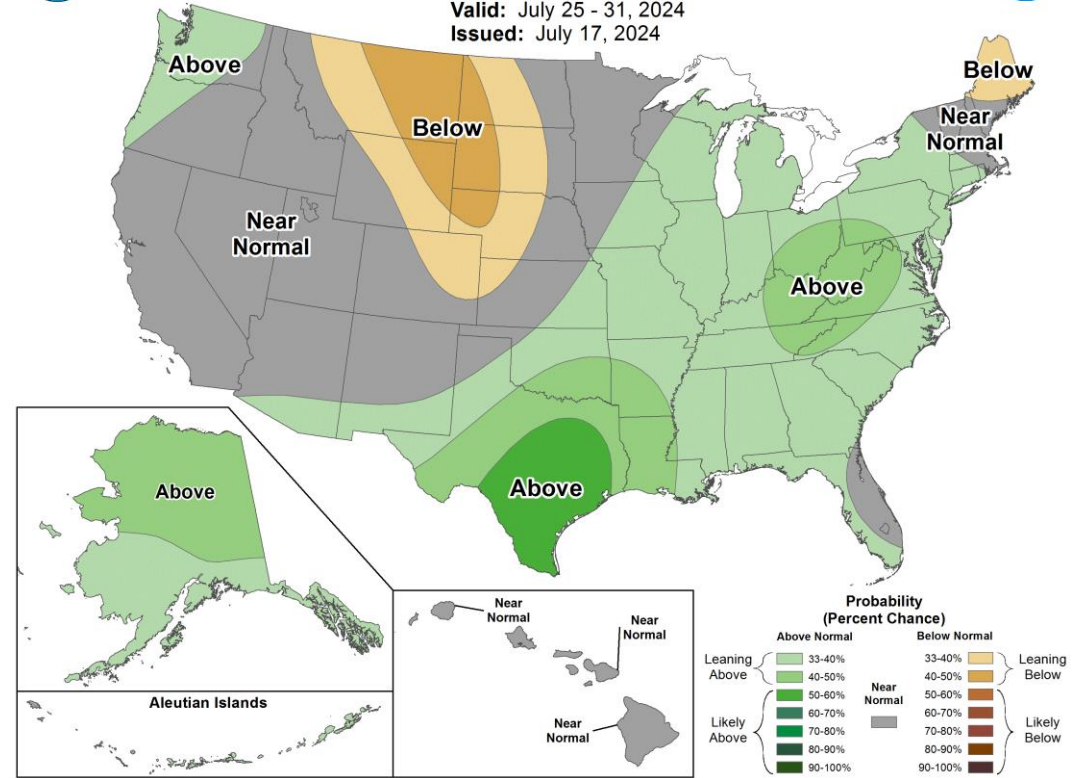
Valid: July 25 - 31, 2024
Issued: July 17, 2024



8-14 Day Precipitation Outlook



Valid: July 25 - 31, 2024
Issued: July 17, 2024

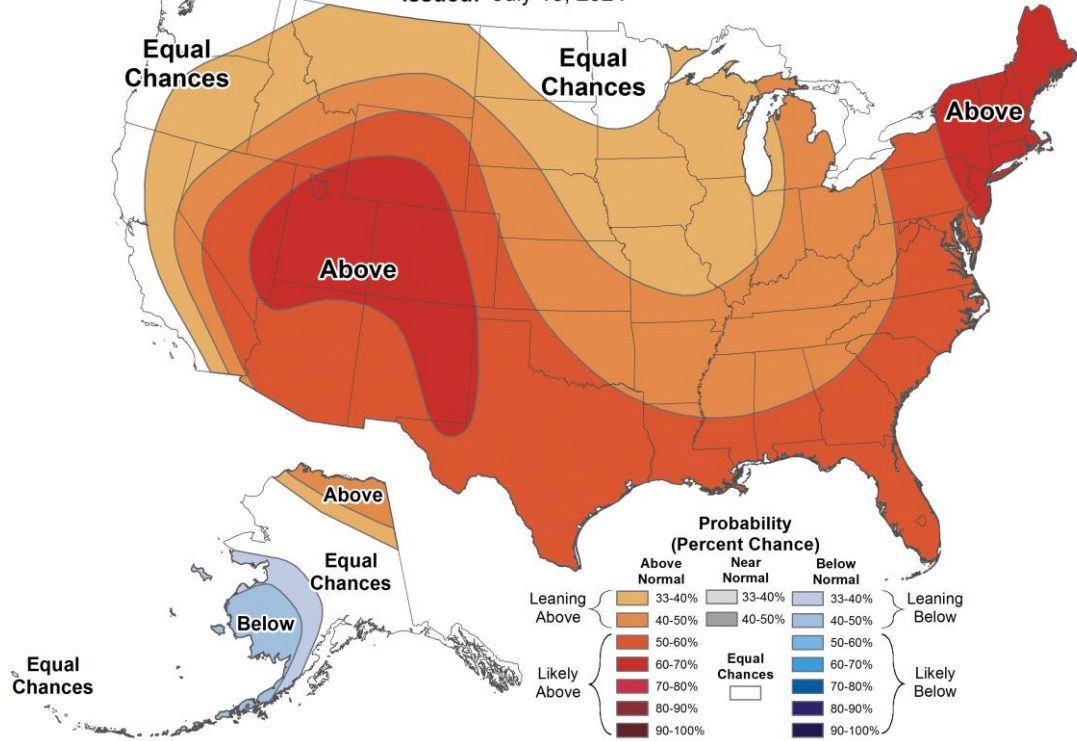




Seasonal Temperature Outlook



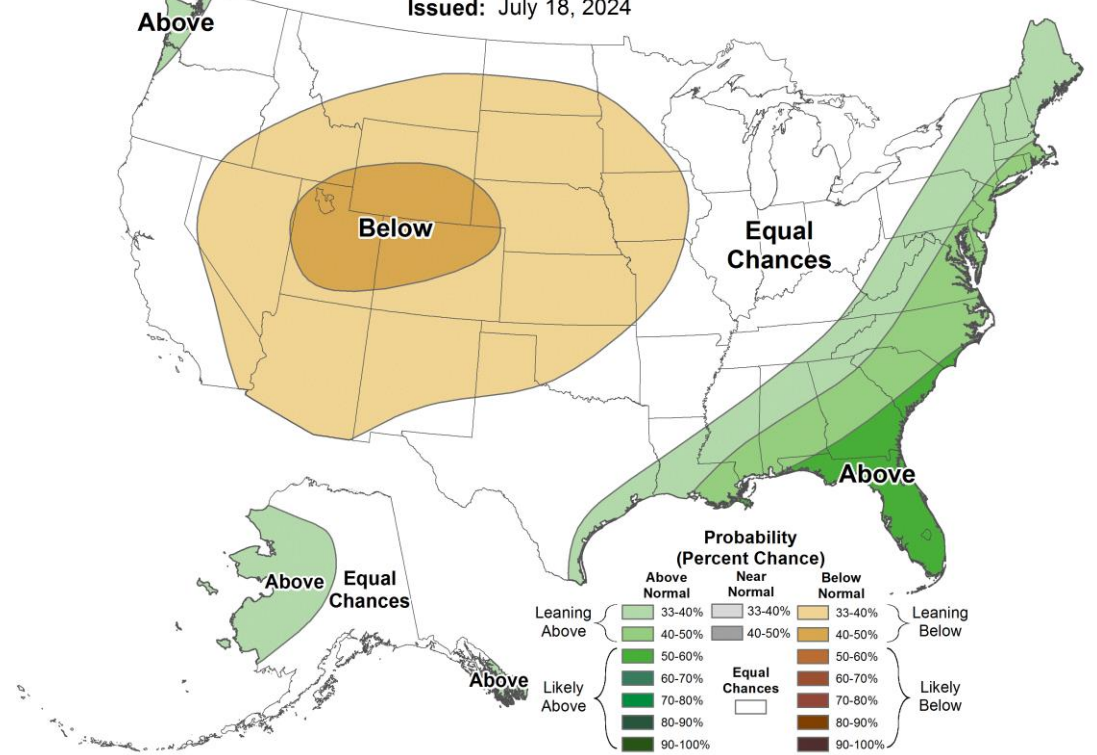
Valid: Aug-Sep-Oct 2024
Issued: July 18, 2024



Seasonal Precipitation Outlook



Valid: Aug-Sep-Oct 2024
Issued: July 18, 2024



ENSO neutral conditions are present

La Nina 70% chance develop Aug-Oct and persist Nov-Jan

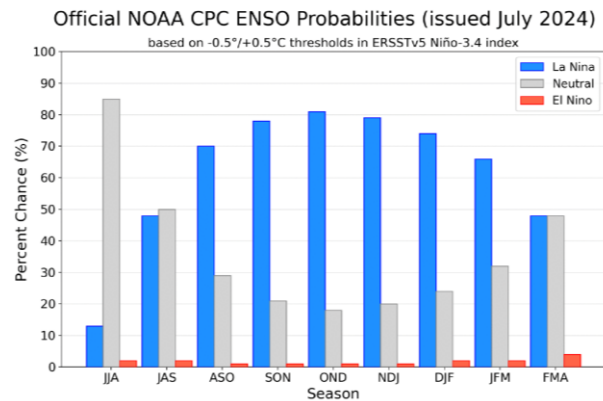


Figure 7. Official ENSO probabilities for the Niño 3.4 sea surface temperature index (5°N-5°S, 120°W-170°W). Figure updated 11 July 2024.

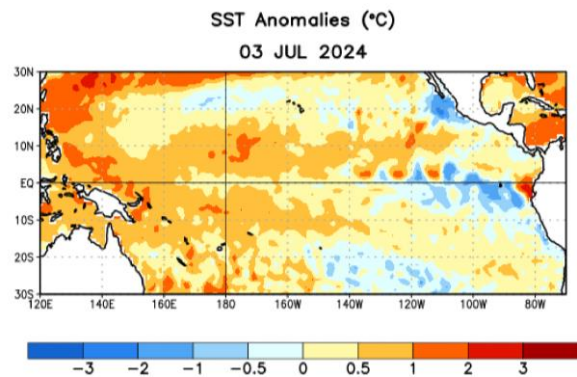


Figure 1. Average sea surface temperature (SST) anomalies (°C) for the week centered on 3 July 2024. Anomalies are computed with respect to the 1991-2020 base period weekly means.

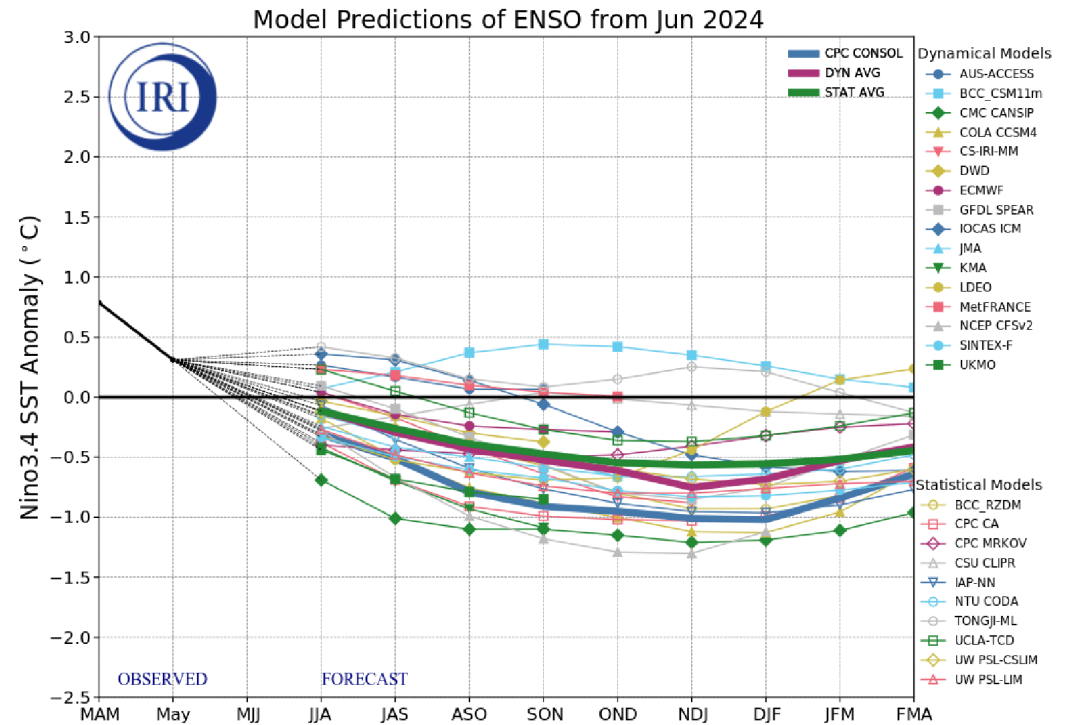


Figure 6. Forecasts of sea surface temperature (SST) anomalies for the Niño 3.4 region (5°N-5°S, 120°W-170°W). Figure updated 20 June 2024 by the International Research Institute (IRI) for Climate and Society.