Historical Erins

- Cat 3+
- Hurricane
- Tropical Storm
- Depression

Since 1989 *weather.com*

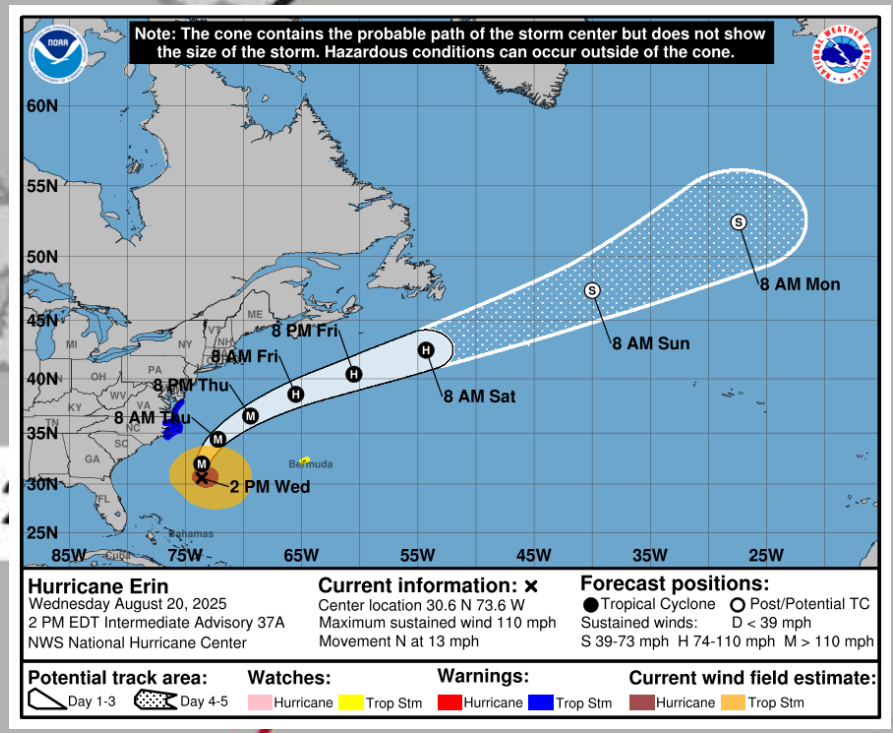
H 1995

TS 2007

H

TS 2019

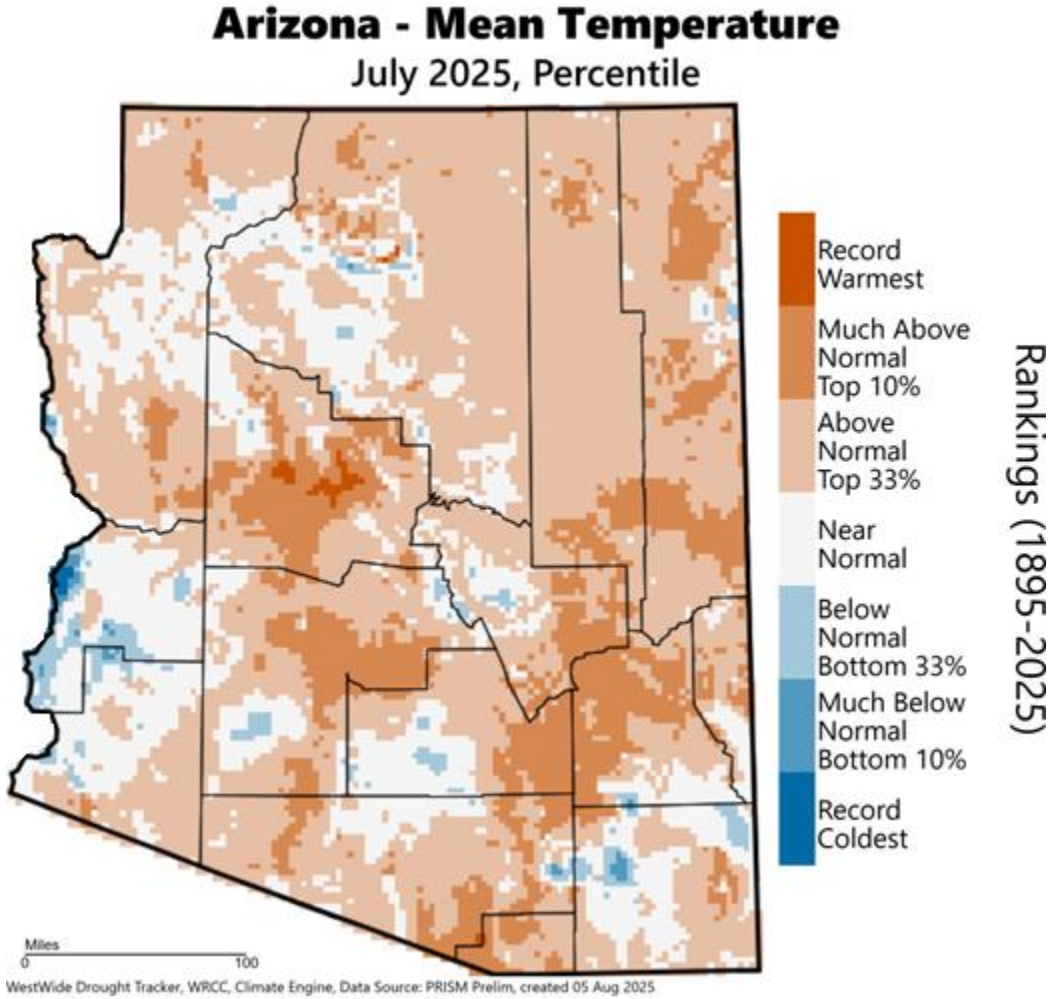
TS



Erin's name was added in 1983 (but first used in 1989)

July 2025: warmer

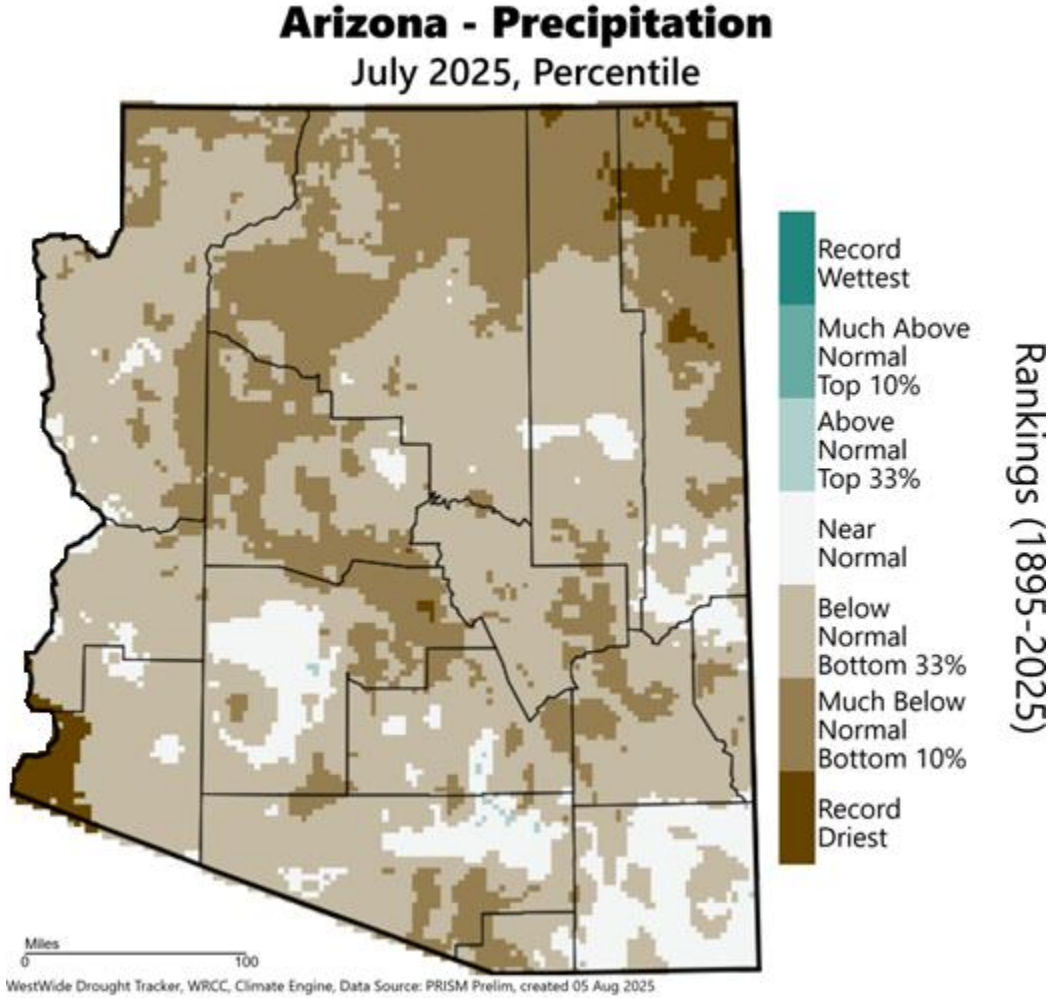
Temp: 81.5°F Rank: 24th hottest (tie) Anomaly: +1.4°F

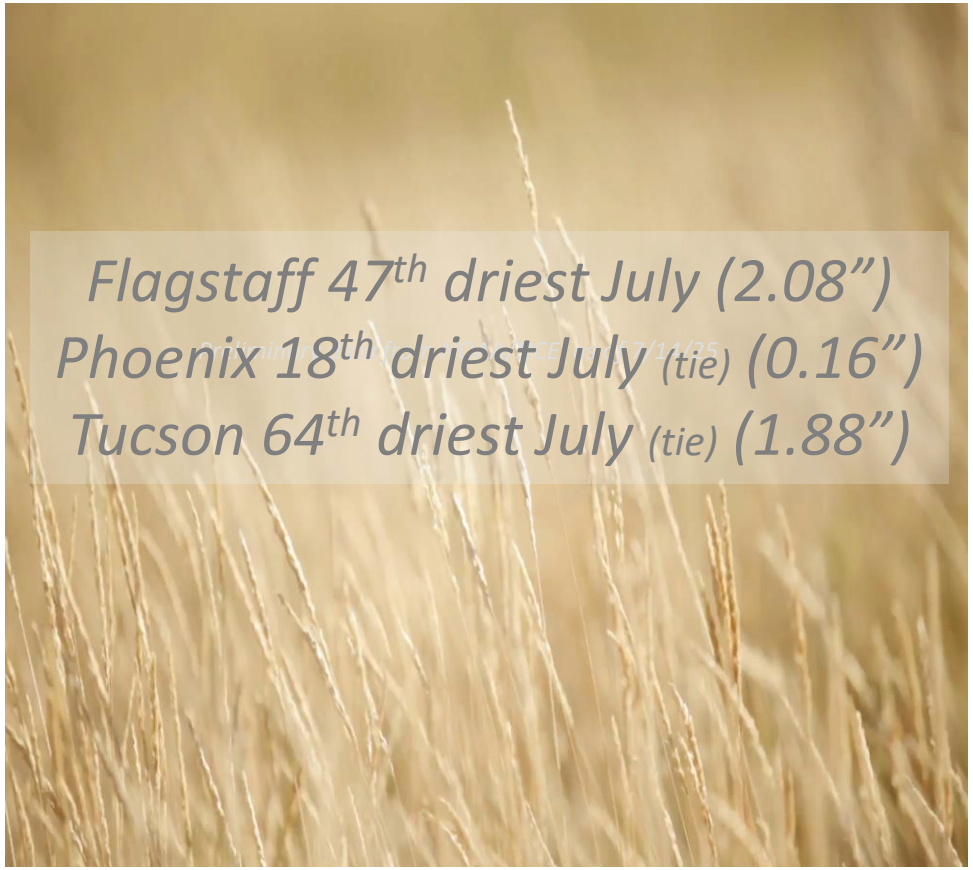


Preliminary data from NOAA/NCEI as of 8/16/25

July 2025: drier

Total: 0.89” Rank: 14th driest Anomaly: -0.89”

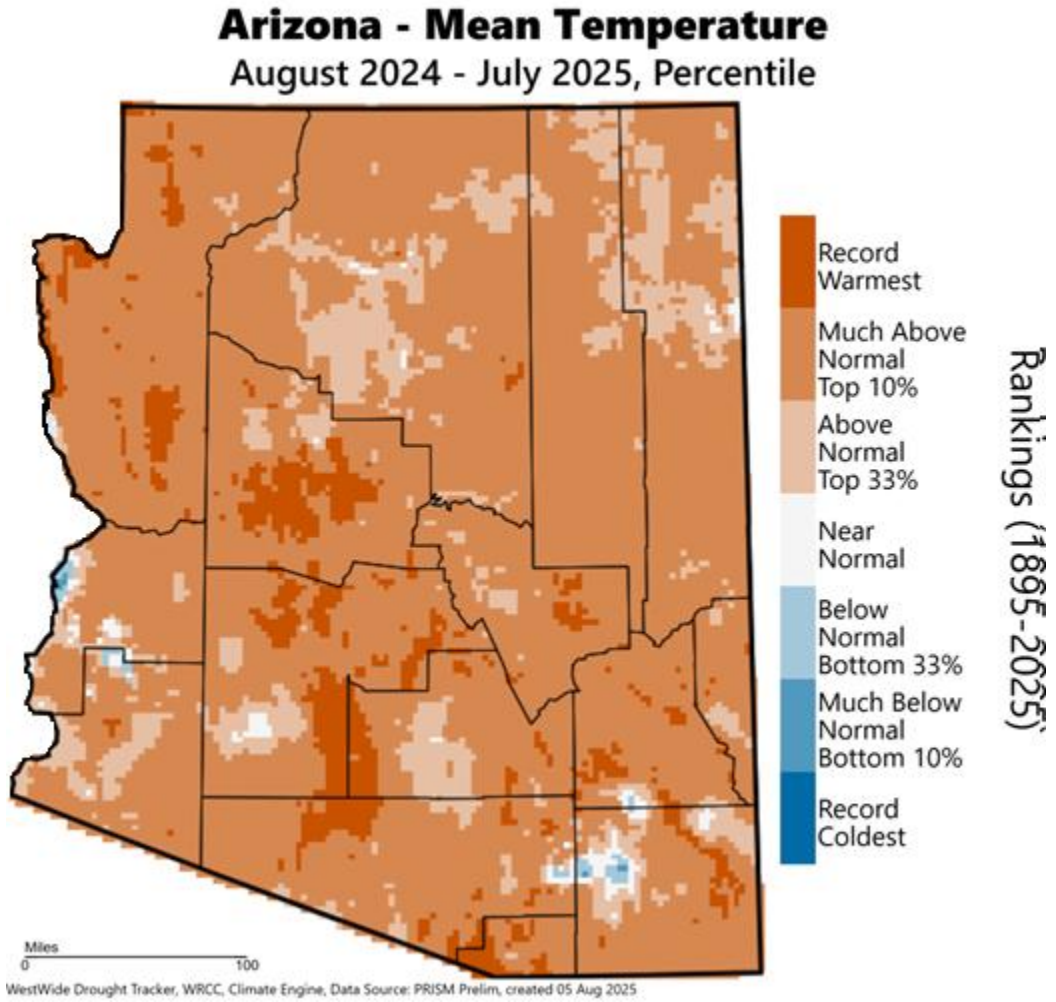




Preliminary data from NOAA/NCEI as of 8/16/25

Last 12 months: very warm

Temp: 62.6°F Rank: 3rd hottest (tie) Anomaly: +3.2°F

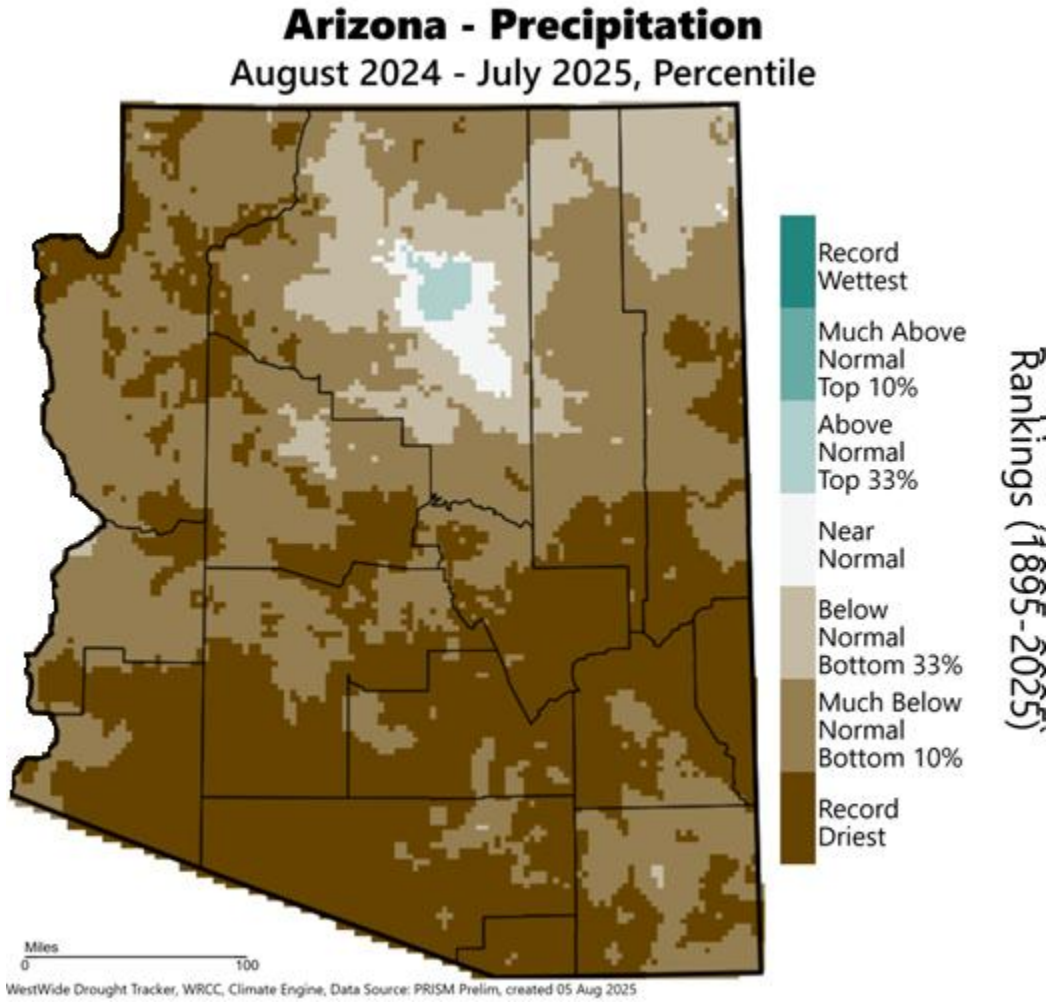


Monthly Average Temperature August 2024 – July 2025 *Preliminary data from NOAA/NCEI as of 8/17/25*	
Month	Rank
August 2024	4th hottest (tie)
September 2024	Hottest
October 2024	Hottest
November 2024	44th coldest (tie)
December 2024	Hottest
January 2025	43rd coldest (tie)
February 2025	2nd hottest
March 2025	31st hottest (tie)
April 2025	38th hottest (tie)
May 2025	32nd hottest (tie)
June 2025	17th hottest
July 2025	24th hottest (tie)

Record coldest	Top 10% coldest	Top 33% coldest	Normal	Top 33% hottest	Top 10% hottest	Record hottest

Last 12 months: very dry

Total: 6.25” Rank: 3rd driest Anomaly: -6.34”



Monthly Precipitation
August 2024 – July 2025

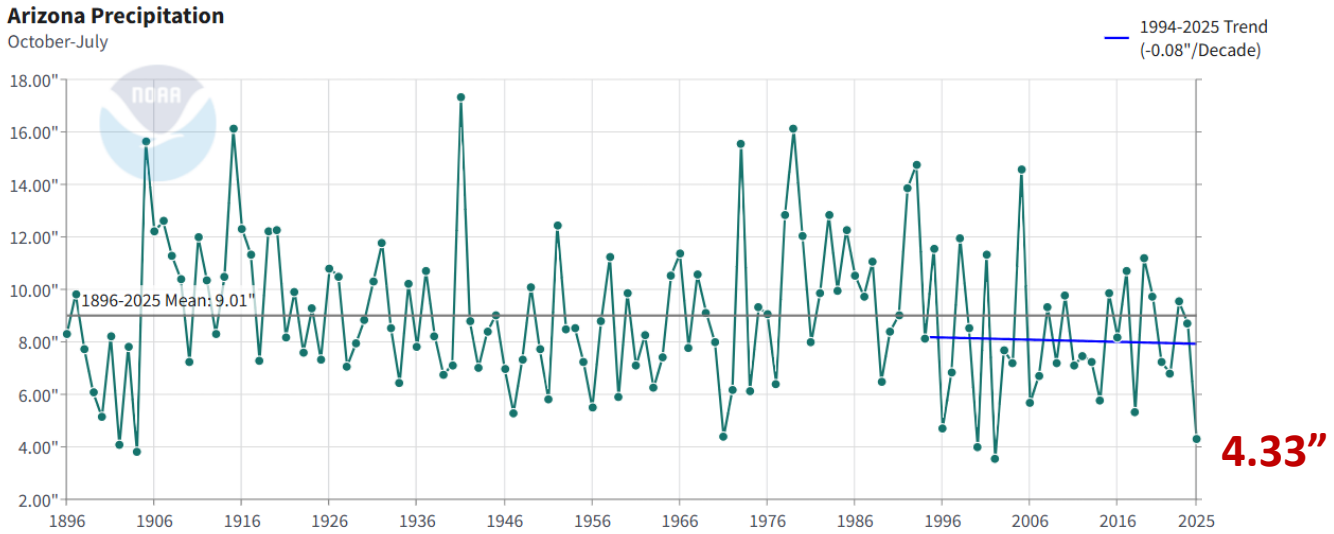
Preliminary data from NOAA/NCEI as of 8/17/25

Month	Rank
August 2024	40th driest
September 2024	15th driest
October 2024	43rd driest (tie)
November 2024	39th driest (tie)
December 2024	2nd driest
January 2025	5th driest
February 2025	20th driest
March 2025	57th wettest
April 2025	57th driest
May 2025	38th wettest
June 2025	20th wettest (tie)
July 2025	14th driest

Record driest	Top 10% driest	Top 33% driest	Normal	Top 33% wettest	Top 10% wettest	Record wettest

WY2025 to date: 48% of long-term precipitation

WY2025 Oct-Jul:
Total: 4.33” Rank: 5th driest Anomaly: -4.68”



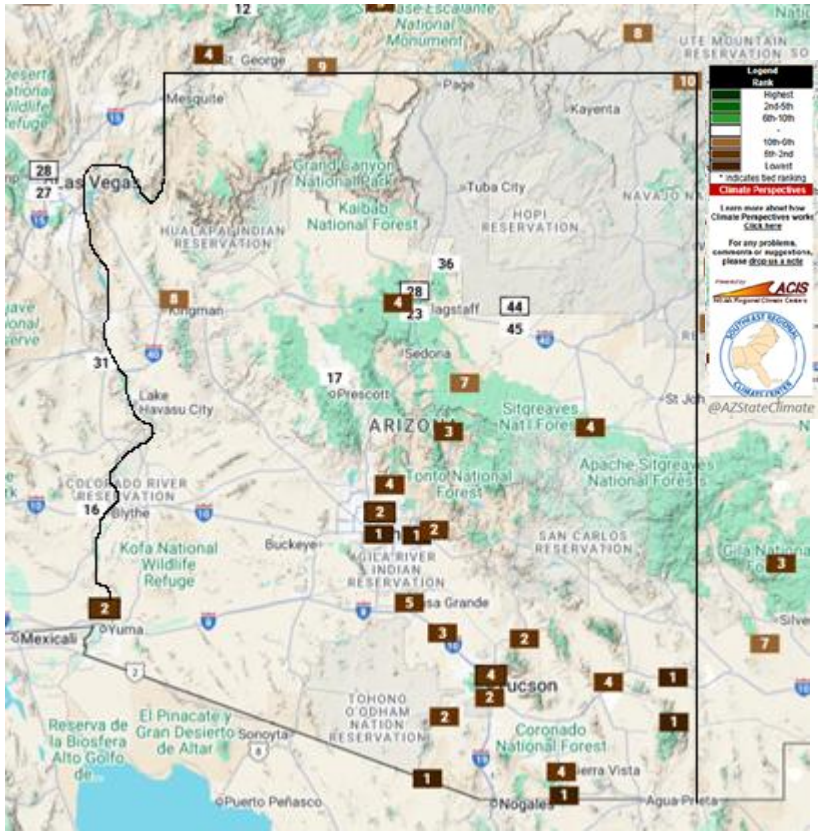
4.33”

Long-term average Oct-Jul: 9.01”
1994-2025 average Oct-Jul: 8.07”

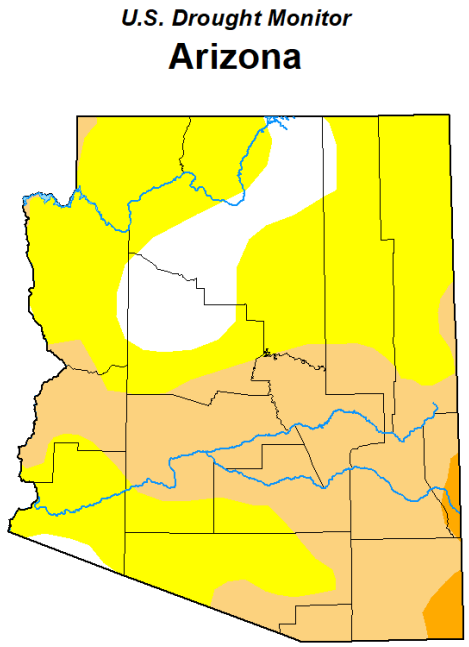
Preliminary data from NOAA/NCEI as of 8/17/25

The 2 statistically driest months of the year (May and June) were the only 2 months with above average precipitation so far (WY2025 to date).

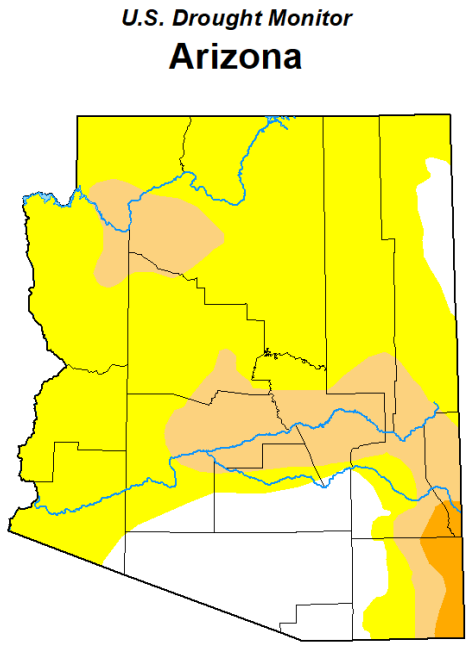
Total Precipitation Ranking (preliminary)
October 1, 2024 to June 30, 2025



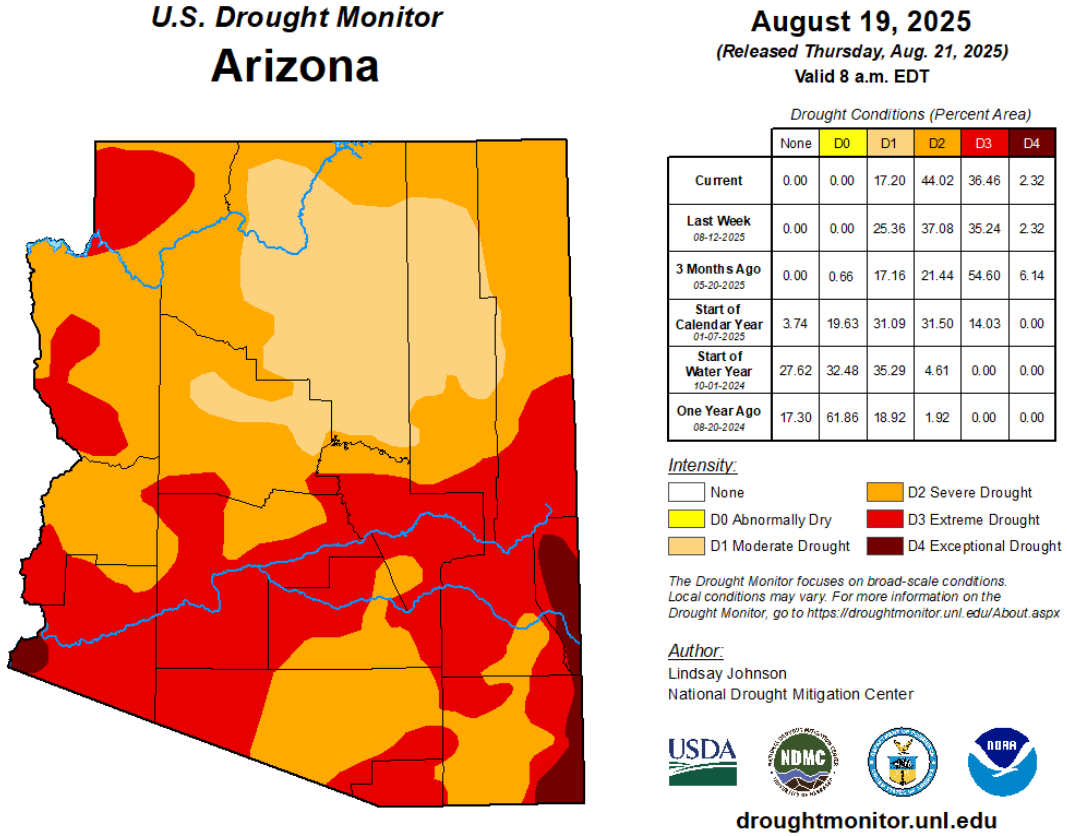
Short-term drought degraded with dry monsoon (so far)



August 22, 2023
Very wet winter 2023
then dry monsoon

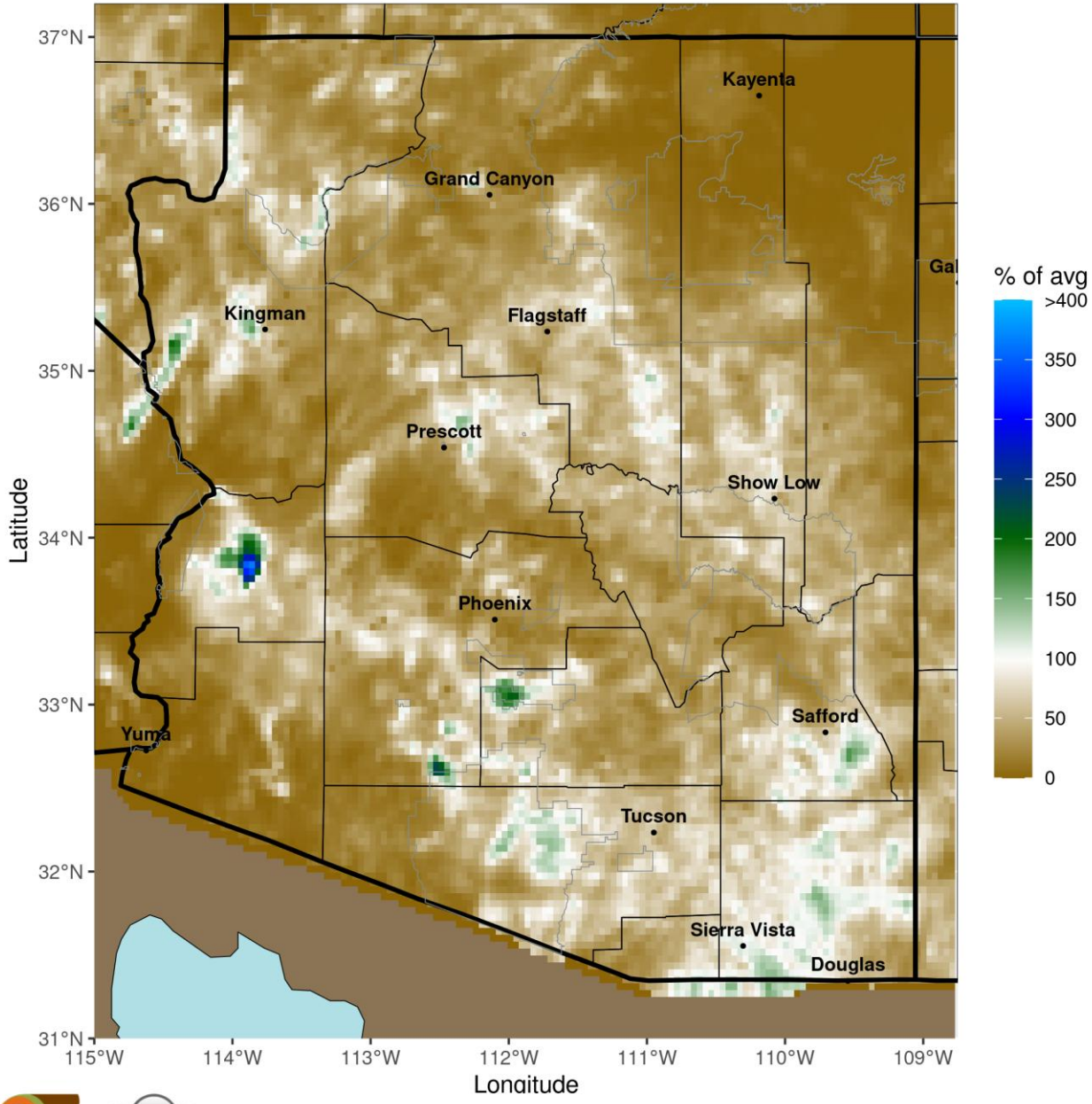


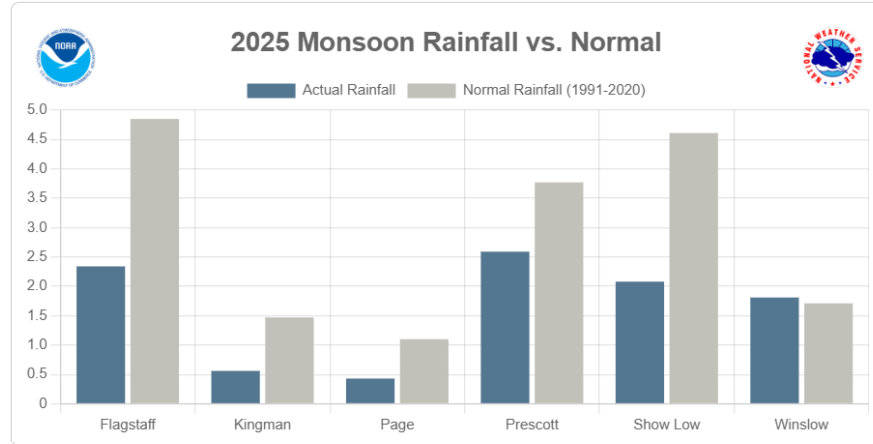
August 20, 2024
Wet winter 2024
then dry monsoon

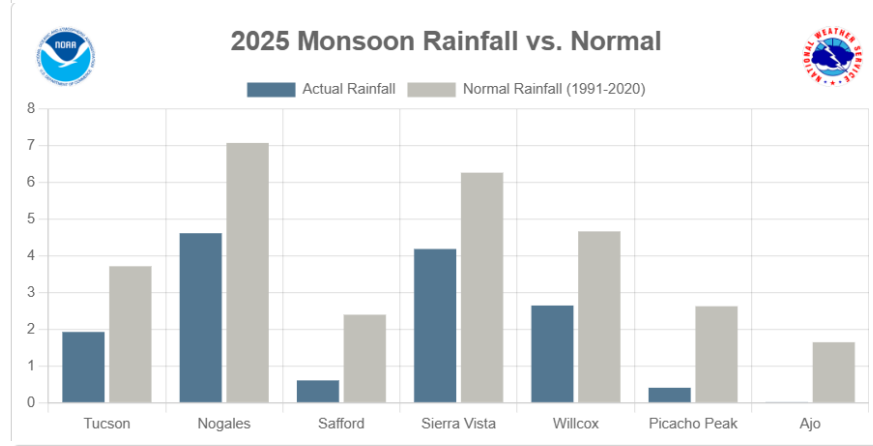


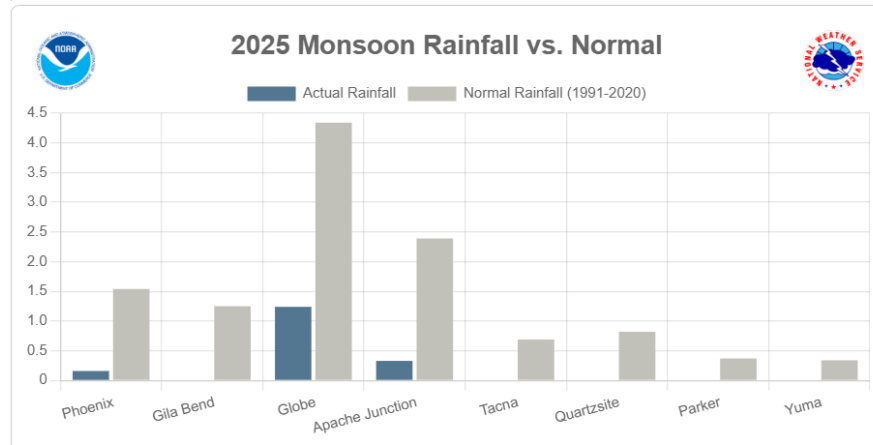
Dry 2024 Summer, Fall, 2025 Winter
May, early June precipitation helped slightly improve

Percent of Average Precipitation (%): 2025-06-15 to 2025-08-20









CLIMAS | CSAP http://cals.arizona.edu/climate | THE UNIVERSITY OF ARIZONA Cooperative Extension

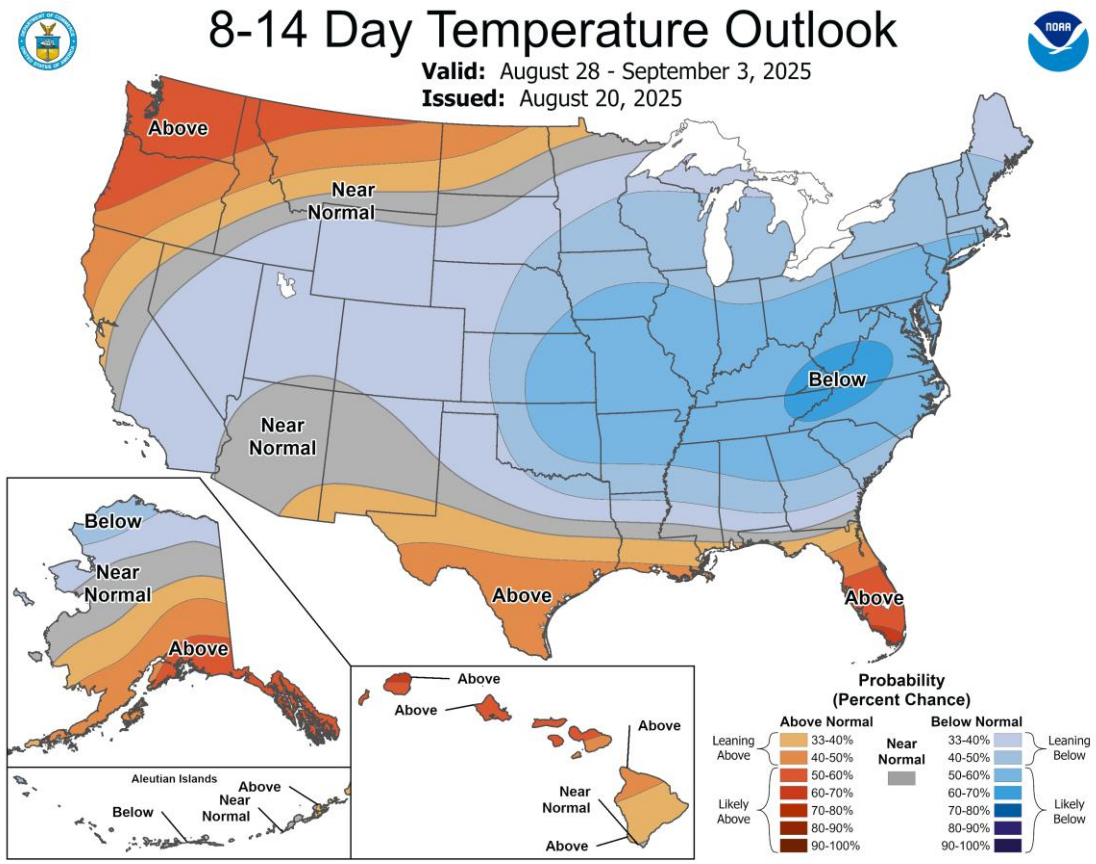
Plot created: 2025-08-20
The University of Arizona
https://cals.arizona.edu/climate/
Data Source: NOAA MPE Analysis
https://water.weather.gov/precip/

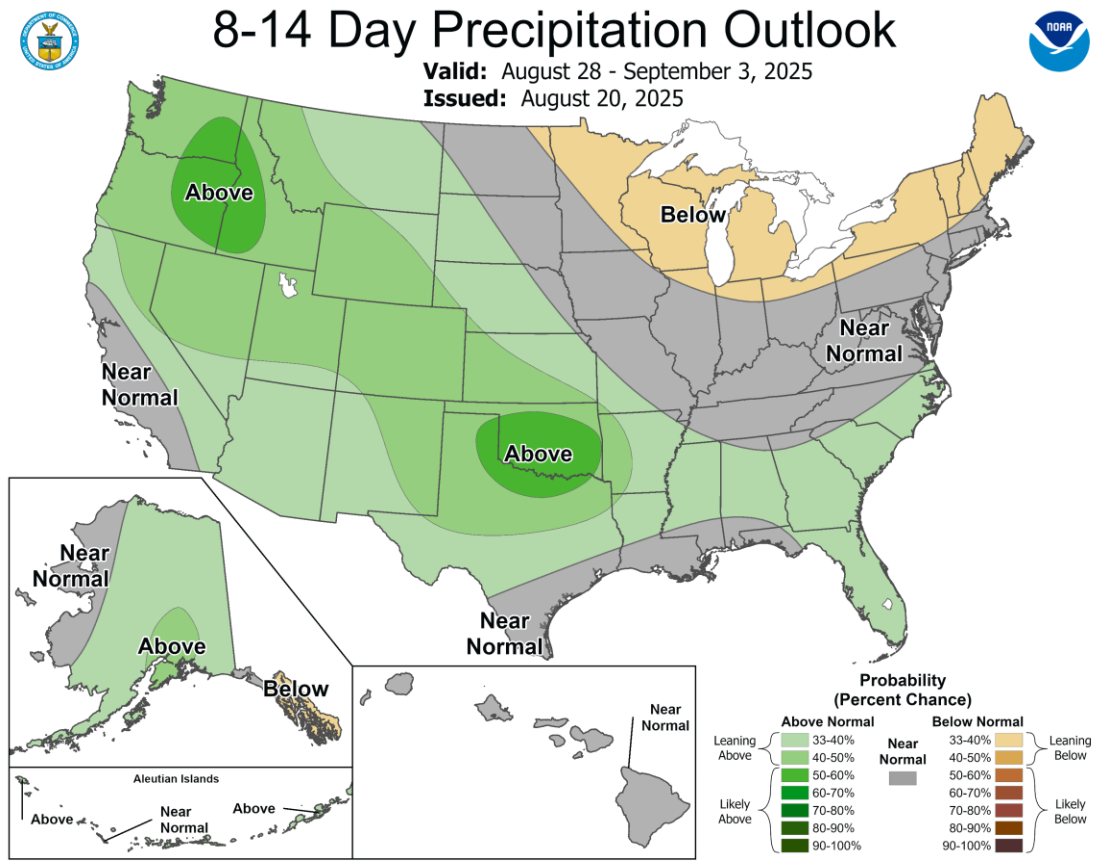
weather.gov/twc/monsoon

Precipitation totals through 8/20/2025
Lightning last updated 8/21/2025 12:11AM

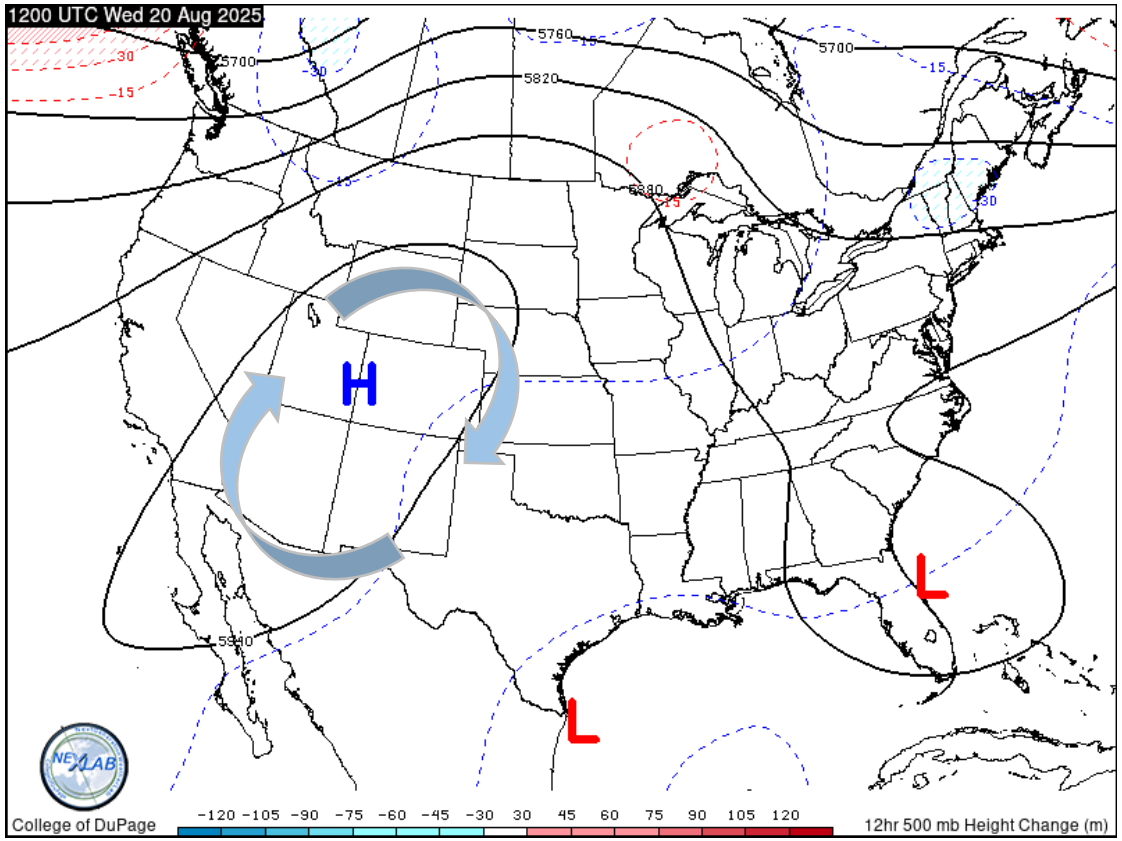
ARIZONA STATE CLIMATE OFFICE

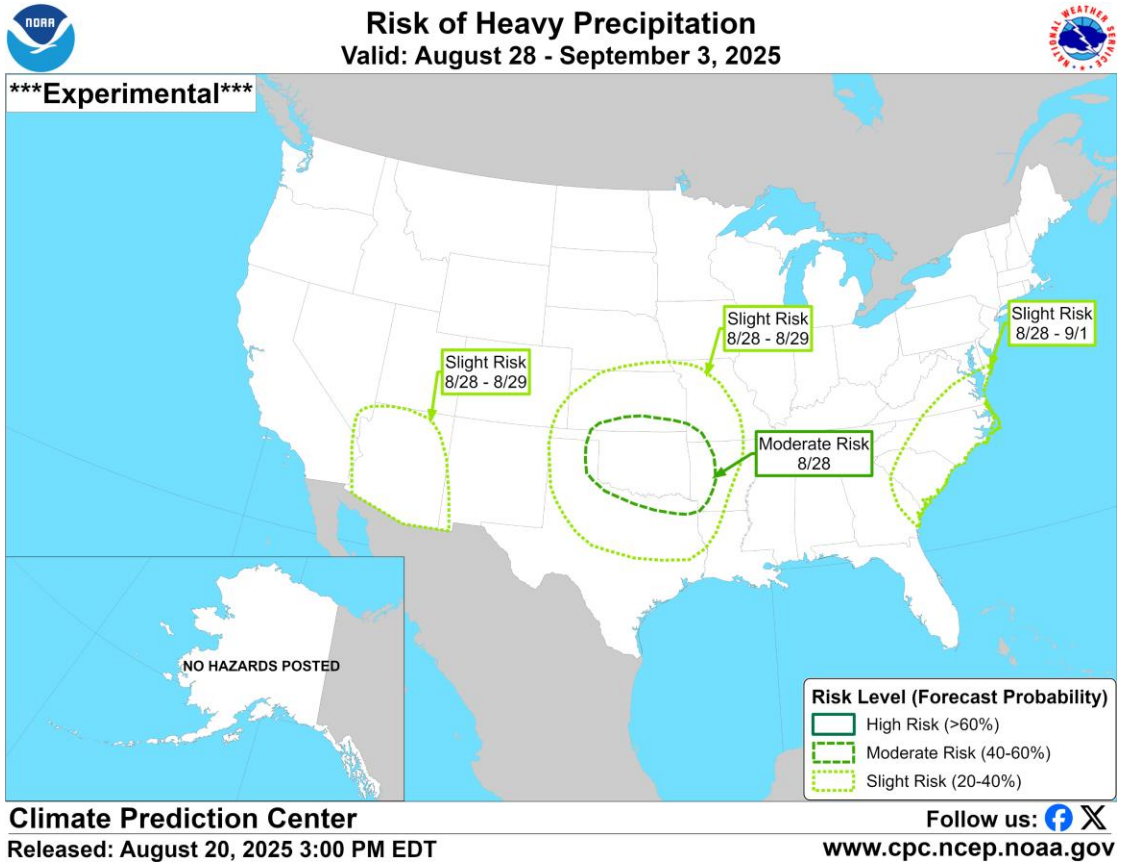
Wetter conditions can bring cooler temperatures





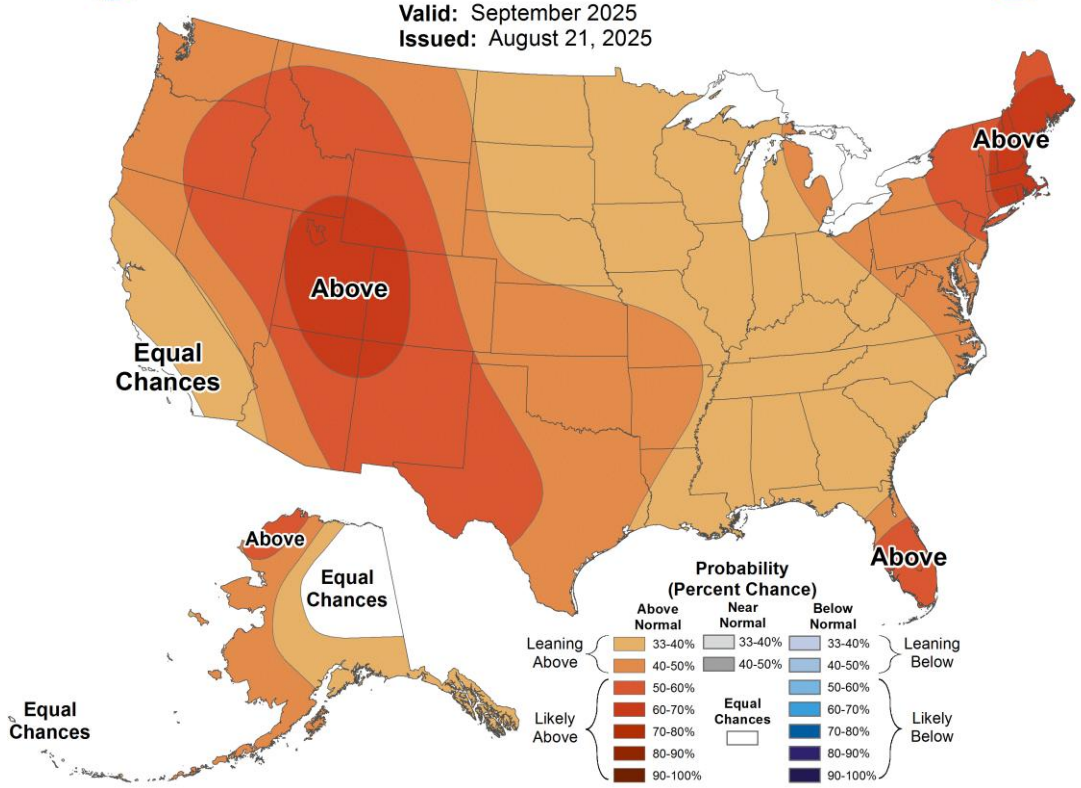
The "classic" monsoon setup can pull moisture into Arizona





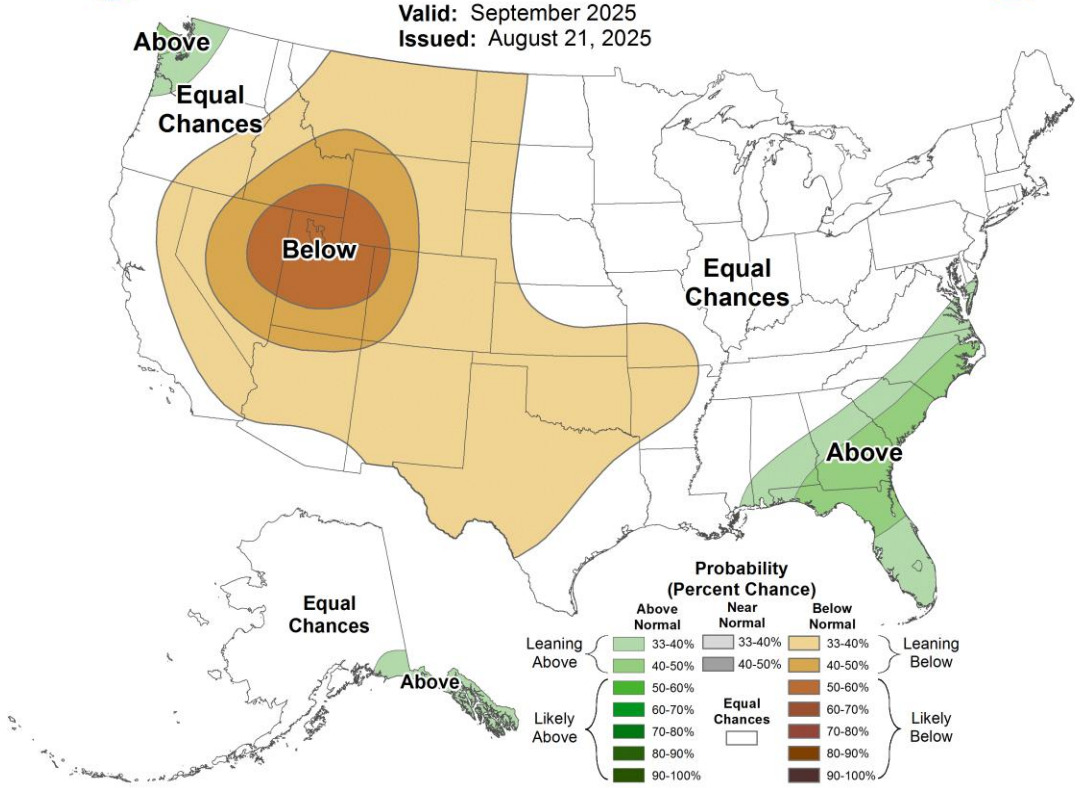
Monthly Temperature Outlook

Valid: September 2025
Issued: August 21, 2025



Monthly Precipitation Outlook

Valid: September 2025
Issued: August 21, 2025



La Nina this winter??? Briefly possible…

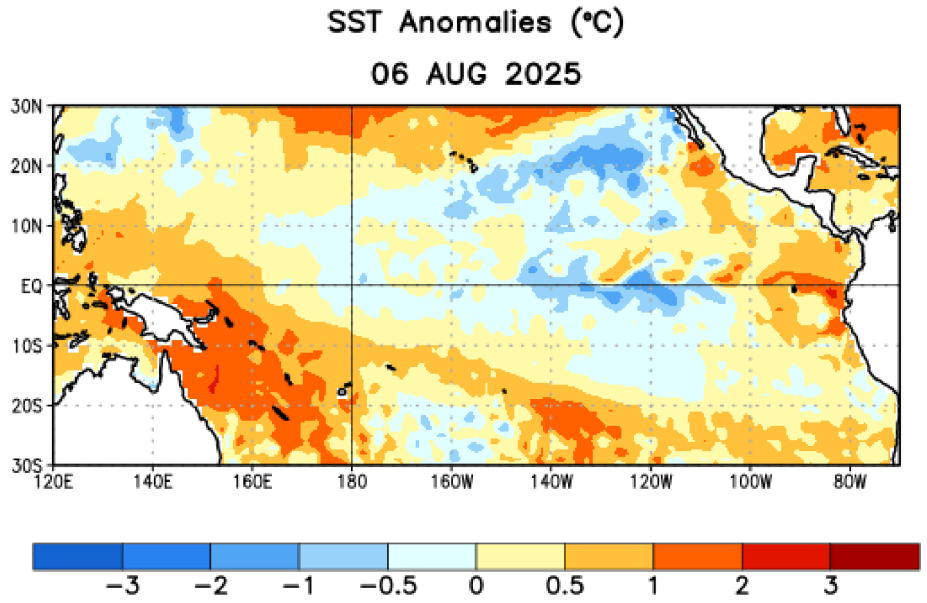


Figure 1. Average sea surface temperature (SST) anomalies (°C) for the week centered on 6 August 2025. Anomalies are computed with respect to the 1991-2020 base period weekly means.

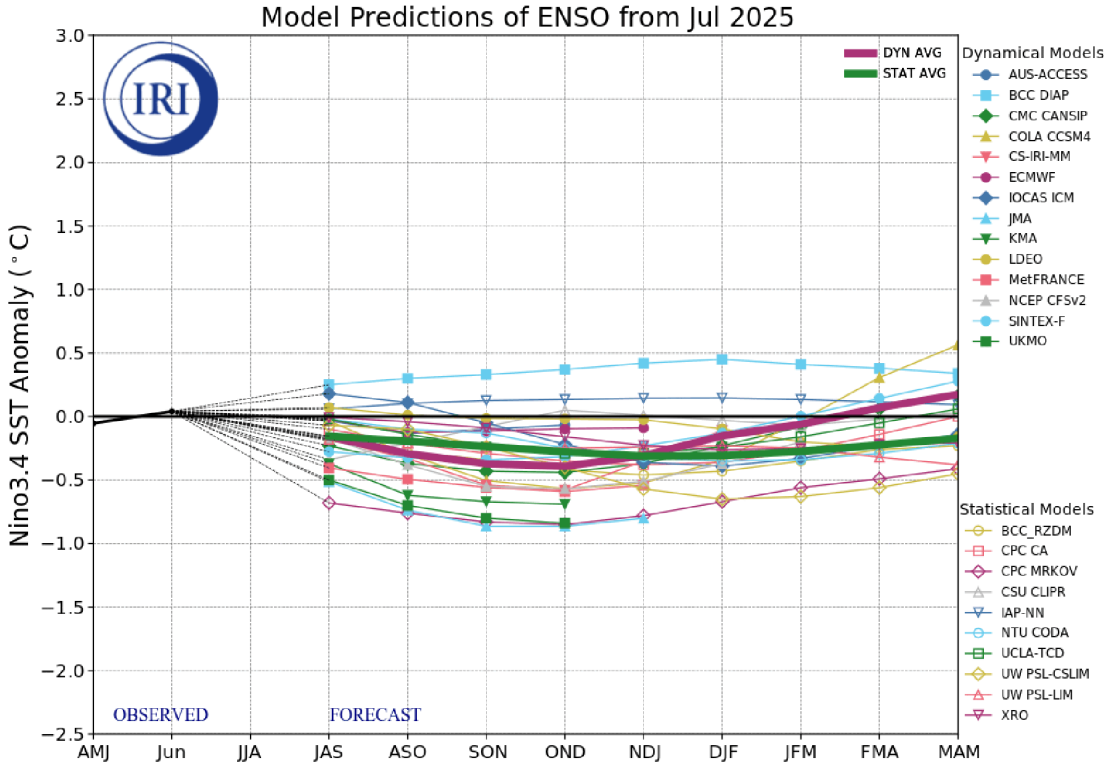


Figure 6. Forecasts of sea surface temperature (SST) anomalies for the Niño 3.4 region (5°N-5°S, 120°W-170°W). Figure updated 18 July 2025 by the International Research Institute (IRI) for Climate and Society.